

# **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 12-8a Survey Densities (All) (Revision 2)**

#### **Appendix 12-8b Survey Densities (Sitting) (Revision 2)**

#### **Appendix 12-8c Survey Densities (Flying) (Revision 2)**

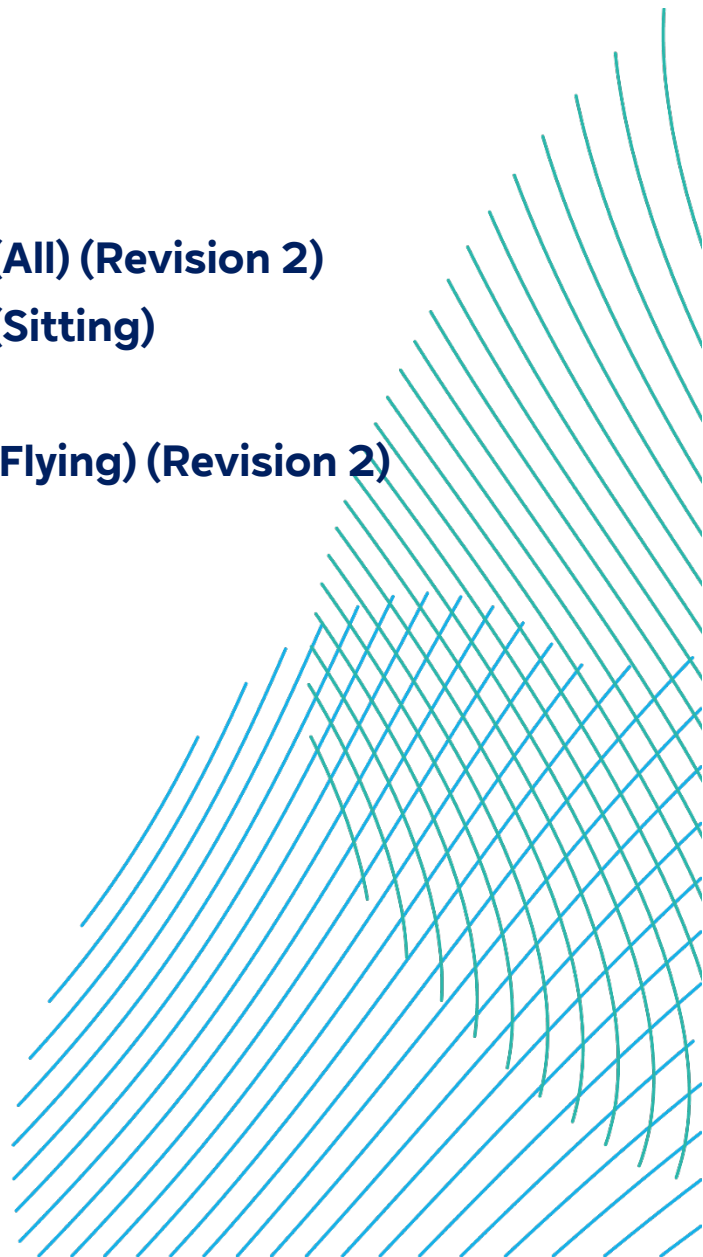
**November 2024**

**Application Reference: 7.12.12.8**

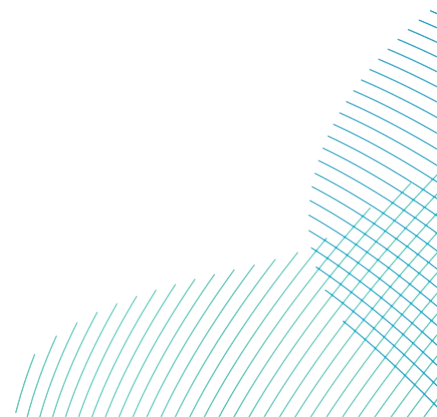
**APFP Regulation: 5(2)(a)**

**Revision: 02**

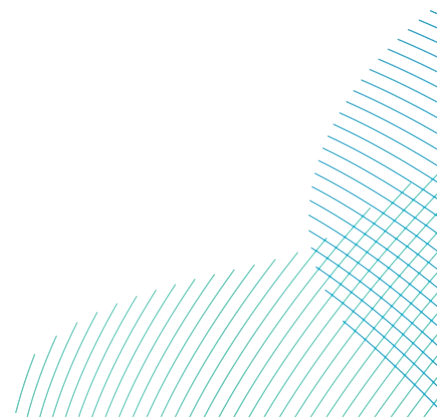
**Unrestricted**



Company:	<b>RWE Renewables UK Dogger Bank South (West) Limited and RWE Renewables UK Dogger Bank South (East) Limited</b>	Asset:	<b>Development</b>		
Project:	<b>Dogger Bank South Offshore Wind Farms</b>	Sub Project/Package:	<b>Consents</b>		
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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
02	November 2024	Revision for Updated NE Guidance and Relevant Representations	MacArthur Green	RWE	RWE



<b>Revision Change Log</b>			
<b>Rev No.</b>	<b>Page</b>	<b>Section</b>	<b>Description</b>
01	N/A	N/A	Submitted for DCO Application
02	Appendix 8a, 61 - 92	Appendix 8a, Section 1	Updates to the numbers presented in Table 60 to Table 91 to reflect Updated NE Guidance and Relevant Representations received post submission.
02	Appendix 8b, 64 - 92	Appendix 8b, Section 1	Updates to the numbers presented in Table 63 to Table 91 to reflect Updated NE Guidance and Relevant Representations received post submission.
02	Appendix 8c, 61- 92	Appendix 8c, Section 1	Updates to the numbers presented in Table 60 to Table 91 to reflect Updated NE Guidance and Relevant Representations received post submission.





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# Dogger Bank South Offshore Windfarm

## Ornithology Technical Appendix 12-8a Seabird densities by survey: birds in flight and on the sea

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## Document Quality Record

Version	Status	Person Responsible	Date
0.1	Draft	Dr Mark Trinder	16/10/2023
0.2	Reviewed	Dr Shirley Raveh	12/11/2023
0.3	Updated and approved	Dr Mark Trinder	18/03/2024
0.4	Updated	Dr Mark Trinder	22/11/2024

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## 1 INTRODUCTION

This annex provides tables of seabird density in each survey for each species recorded during the DBS East and West Offshore Wind Farm projects' baseline surveys (March 2021 – February 2023).

The densities were estimated using design-based methods and are summarised as central estimate (i.e. extrapolated from the number seen in the surveyed area to the whole area) and 95% confidence range, derived from 1,000 nonparametric bootstrap samples.

This appendix (a) provides the density in each survey for each species on the water and in flight.

Appendix (b) provides the density in each survey for each species on the water.

Appendix (c) provides the density in each survey for each species in flight.

Table 1. DBS - East. Density (birds Per Square Km) of Arctic skua recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.93
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0.02 (0.02)	0-0.07	0.98	0.02 (0.02)	0-0.05	1.01	0.01 (0.01)	0-0.04	0.99
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 2. DBS - East. Density (birds Per Square Km) of Arctic tern recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0.05 (0.04)	0-0.14	0.84	0.03 (0.02)	0-0.07	0.66	0.02 (0.02)	0-0.05	0.63
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.12 (0.07)	0-0.26	0.61	0.15 (0.06)	0.03-0.26	0.39	0.14 (0.04)	0.06-0.23	0.29
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.02 (0.02)	0-0.07	0.87	0.02 (0.01)	0-0.03	0.68	0.01 (0.01)	0-0.02	0.78
Aug 2022	0.21 (0.09)	0.05-0.41	0.41	0.21 (0.06)	0.1-0.33	0.28	0.24 (0.06)	0.12-0.36	0.25
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



Table 3. DBS - East. Density (birds Per Square Km) of Black-backed gull species recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0.02 (0.02)	0-0.07	0.98	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	1.01
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 4. DBS - East. Density (birds Per Square Km) of Commic tern recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0.05 (0.04)	0-0.14	0.92	0.05 (0.04)	0-0.13	0.72	0.04 (0.02)	0-0.07	0.50
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.19 (0.13)	0-0.48	0.68	0.2 (0.1)	0.03-0.43	0.51	0.16 (0.05)	0.05-0.25	0.35
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.02 (0.02)	0-0.07	0.92	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.02	0.68
Aug 2022	0.79 (0.46)	0.12-1.84	0.58	0.57 (0.3)	0.1-1.24	0.52	0.72 (0.18)	0.4-1.05	0.24
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 5. DBS - East. Density (birds Per Square Km) of Common gull recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	1.00	0.01 (0.01)	0-0.04	0.94
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.05 (0.05)	0-0.15	0.98	0.05 (0.04)	0-0.13	0.73	0.04 (0.03)	0-0.1	0.72
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.1 (0.08)	0-0.29	0.80	0.07 (0.05)	0-0.18	0.78	0.06 (0.04)	0-0.14	0.64
Sep 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.96
Oct 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.96	0.01 (0.01)	0-0.04	1.01
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0.02 (0.02)	0-0.07	0.96	0.03 (0.02)	0-0.08	0.72	0.02 (0.02)	0-0.06	0.71
Feb 2023	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	0.95	0.01 (0.01)	0-0.04	0.96

Table 6. DBS - East. Density (birds Per Square Km) of Common scoter recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0.05 (0.05)	0-0.19	1.03	0.03 (0.03)	0-0.1	1.01	0.02 (0.02)	0-0.07	0.97
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 7. DBS - East. Density (birds Per Square Km) of Common tern recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.07	0.98	0.03 (0.02)	0-0.08	0.72	0.02 (0.02)	0-0.06	0.7
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 8. DBS - East. Density (birds Per Square Km) of Fulmar recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0.02 (0.02)	0-0.07	0.85	0.03 (0.02)	0-0.07	0.60	0.08 (0.04)	0.01-0.18	0.52
May 2021	0.05 (0.03)	0-0.12	0.65	0.05 (0.03)	0-0.1	0.51	0.05 (0.02)	0.01-0.08	0.42
Jun 2021	0.05 (0.03)	0-0.12	0.64	0.07 (0.03)	0.02-0.12	0.40	0.05 (0.02)	0.01-0.09	0.35
Jul 2021	0.02 (0.02)	0-0.07	0.89	0.03 (0.02)	0-0.08	0.64	0.02 (0.01)	0-0.05	0.60
Aug 2021	0.1 (0.04)	0.02-0.19	0.44	0.1 (0.03)	0.03-0.16	0.35	0.12 (0.03)	0.06-0.18	0.27
Sep 2021	0.38 (0.11)	0.19-0.62	0.29	0.43 (0.1)	0.25-0.64	0.24	0.46 (0.09)	0.28-0.64	0.20
Oct 2021	0.1 (0.04)	0.02-0.19	0.47	0.07 (0.03)	0-0.13	0.48	0.05 (0.02)	0-0.1	0.48
Nov 2021	0.29 (0.08)	0.15-0.46	0.29	0.3 (0.07)	0.17-0.43	0.23	0.3 (0.06)	0.19-0.43	0.19
Dec 2021	0.02 (0.02)	0-0.07	0.89	0.02 (0.02)	0-0.05	0.92	0.01 (0.01)	0-0.04	0.82
Jan 2022	0.17 (0.07)	0.05-0.31	0.40	0.16 (0.05)	0.07-0.26	0.32	0.12 (0.04)	0.05-0.19	0.32
Feb 2022	0.12 (0.05)	0.05-0.22	0.39	0.1 (0.04)	0.03-0.17	0.36	0.1 (0.03)	0.05-0.14	0.28
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.05 (0.03)	0-0.1	0.58	0.05 (0.02)	0-0.1	0.51	0.1 (0.03)	0.04-0.16	0.32
Jun 2022	0 (0)	0-0		0.02 (0.01)	0-0.05	0.89	0.01 (0.01)	0-0.04	0.81
Jul 2022	0.05 (0.03)	0-0.12	0.60	0.07 (0.04)	0-0.15	0.55	0.05 (0.02)	0-0.1	0.51
Aug 2022	0.05 (0.03)	0-0.12	0.62	0.03 (0.02)	0-0.08	0.65	0.02 (0.01)	0-0.06	0.62
Sep 2022	0.05 (0.03)	0-0.1	0.60	0.07 (0.03)	0.02-0.12	0.43	0.1 (0.03)	0.05-0.17	0.27
Oct 2022	0.46 (0.11)	0.24-0.7	0.25	0.85 (0.24)	0.43-1.33	0.28	1.05 (0.2)	0.7-1.45	0.19
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.01)	0-0.06	0.62
Dec 2022	0.09 (0.05)	0-0.21	0.54	0.11 (0.04)	0.03-0.19	0.37	0.15 (0.03)	0.08-0.22	0.23
Jan 2023	0.48 (0.3)	0.07-1.15	0.63	0.38 (0.2)	0.1-0.84	0.53	0.34 (0.15)	0.12-0.67	0.44
Feb 2023	0.38 (0.14)	0.17-0.69	0.36	0.34 (0.1)	0.16-0.54	0.29	0.3 (0.08)	0.16-0.47	0.26

Table 9. DBS - East. Density (birds Per Square Km) of Gannet recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	1.71 (0.35)	1.06-2.38	0.20	1.37 (0.25)	0.89-1.9	0.18	1.21 (0.2)	0.84-1.58	0.16
Apr 2021	0.72 (0.14)	0.43-1.03	0.20	0.7 (0.1)	0.51-0.9	0.14	0.61 (0.09)	0.43-0.79	0.15
May 2021	0.36 (0.1)	0.17-0.58	0.28	0.33 (0.08)	0.18-0.5	0.25	0.3 (0.07)	0.17-0.45	0.23
Jun 2021	0.07 (0.03)	0-0.15	0.47	0.08 (0.03)	0.03-0.15	0.39	0.06 (0.02)	0.01-0.11	0.41
Jul 2021	0.07 (0.04)	0-0.14	0.48	0.08 (0.03)	0.03-0.15	0.38	0.08 (0.03)	0.04-0.15	0.34
Aug 2021	0.17 (0.06)	0.07-0.29	0.35	0.16 (0.05)	0.08-0.26	0.27	0.14 (0.04)	0.07-0.23	0.29
Sep 2021	0.6 (0.1)	0.41-0.79	0.16	0.49 (0.08)	0.33-0.66	0.17	0.49 (0.07)	0.36-0.63	0.14
Oct 2021	1 (0.16)	0.69-1.31	0.16	0.98 (0.13)	0.72-1.24	0.14	1.01 (0.13)	0.78-1.29	0.13
Nov 2021	0.24 (0.07)	0.12-0.39	0.28	0.28 (0.05)	0.18-0.4	0.19	0.26 (0.05)	0.17-0.35	0.18
Dec 2021	0.02 (0.02)	0-0.07	0.81	0.02 (0.01)	0-0.05	0.85	0.01 (0.01)	0-0.04	0.92
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.92
Mar 2022	1.72 (0.43)	0.87-2.59	0.25	1.59 (0.48)	0.73-2.52	0.30	2.31 (0.96)	0.8-4.48	0.42
Apr 2022	1.33 (0.33)	0.71-1.98	0.25	1.37 (0.24)	0.93-1.87	0.18	1.59 (0.22)	1.16-2.01	0.14
May 2022	0.12 (0.04)	0.05-0.21	0.36	0.2 (0.05)	0.1-0.31	0.27	0.2 (0.06)	0.1-0.34	0.31
Jun 2022	0.05 (0.03)	0-0.1	0.58	0.05 (0.02)	0-0.1	0.50	0.07 (0.03)	0.02-0.12	0.36
Jul 2022	0.31 (0.07)	0.17-0.46	0.23	0.3 (0.07)	0.17-0.45	0.24	0.37 (0.07)	0.23-0.51	0.20
Aug 2022	0.5 (0.14)	0.24-0.79	0.29	0.41 (0.1)	0.23-0.62	0.25	0.35 (0.08)	0.2-0.5	0.23
Sep 2022	0.08 (0.04)	0-0.15	0.47	0.11 (0.04)	0.04-0.18	0.33	0.17 (0.04)	0.09-0.26	0.26
Oct 2022	1.75 (0.43)	0.98-2.61	0.25	2.07 (0.47)	1.26-3.08	0.23	1.78 (0.37)	1.13-2.51	0.21
Nov 2022	1.2 (0.33)	0.63-1.86	0.27	0.95 (0.23)	0.53-1.44	0.25	0.81 (0.19)	0.47-1.19	0.23
Dec 2022	0.23 (0.14)	0.02-0.53	0.59	0.18 (0.1)	0.02-0.42	0.59	0.21 (0.08)	0.08-0.36	0.37
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0.41 (0.27)	0.02-1.03	0.67	0.29 (0.2)	0.03-0.74	0.67	0.23 (0.15)	0.04-0.55	0.64

Table 10. DBS - East. Density (birds Per Square Km) of Great black-backed gull recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.96
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.02 (0.02)	0-0.07	0.98	0.03 (0.02)	0-0.08	0.69	0.05 (0.02)	0.01-0.1	0.48
Dec 2021	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	1.04	0.02 (0.02)	0-0.06	0.70
Jan 2022	0.19 (0.08)	0.05-0.36	0.39	0.16 (0.06)	0.07-0.28	0.34	0.25 (0.08)	0.11-0.43	0.32
Feb 2022	0.02 (0.02)	0-0.07	0.99	0.03 (0.02)	0-0.08	0.70	0.05 (0.02)	0.01-0.1	0.48
Mar 2022	0.24 (0.1)	0.07-0.46	0.42	0.23 (0.08)	0.1-0.4	0.33	0.27 (0.08)	0.12-0.44	0.30
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.05 (0.03)	0-0.12	0.70	0.03 (0.02)	0-0.08	0.72	0.05 (0.03)	0-0.12	0.60
Sep 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	0.99
Oct 2022	0 (0)	0-0		0.1 (0.08)	0-0.28	0.84	0.07 (0.06)	0-0.24	0.88
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.05 (0.03)	0-0.12	0.61
Dec 2022	0 (0)	0-0		0.05 (0.03)	0-0.13	0.73	0.08 (0.04)	0.02-0.16	0.46
Jan 2023	0.34 (0.18)	0.05-0.74	0.54	0.25 (0.12)	0.07-0.51	0.47	0.25 (0.1)	0.07-0.48	0.41
Feb 2023	0.12 (0.08)	0-0.31	0.67	0.1 (0.06)	0.02-0.21	0.56	0.1 (0.05)	0.01-0.2	0.51



Table 11. DBS - East. Density (birds Per Square Km) of Great skua recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	1.01	0.01 (0.01)	0-0.04	1.03
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0.02 (0.02)	0-0.07	0.98	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	0.96
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 12. DBS - East. Density (birds Per Square Km) of Guillemot recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	10.75 (1.41)	7.96-13.44	0.13	9.91 (1.17)	7.75-12.11	0.12	9.33 (0.88)	7.6-10.97	0.09
Apr 2021	4.39 (0.81)	2.81-5.94	0.19	5.35 (0.9)	3.78-7.16	0.17	7.74 (1.97)	4.59-12.11	0.25
May 2021	0.36 (0.1)	0.19-0.58	0.28	0.35 (0.08)	0.2-0.51	0.23	0.47 (0.08)	0.31-0.63	0.17
Jun 2021	0.34 (0.1)	0.17-0.53	0.28	0.33 (0.08)	0.18-0.5	0.24	0.34 (0.08)	0.21-0.51	0.23
Jul 2021	6.03 (0.66)	4.7-7.26	0.11	6.51 (0.61)	5.36-7.85	0.09	7.13 (0.7)	5.79-8.68	0.10
Aug 2021	2.69 (0.54)	1.7-3.77	0.20	2.42 (0.41)	1.66-3.28	0.17	3.13 (0.56)	2.14-4.33	0.18
Sep 2021	2.13 (0.33)	1.48-2.75	0.16	2.78 (0.37)	2.11-3.48	0.13	3.6 (0.45)	2.81-4.56	0.12
Oct 2021	0.98 (0.17)	0.67-1.33	0.18	1.3 (0.16)	0.99-1.63	0.12	1.67 (0.45)	1.01-2.69	0.27
Nov 2021	14.8 (1.39)	12.16-17.41	0.09	14.65 (0.96)	12.71-16.45	0.07	14.64 (0.76)	13.26-16.08	0.05
Dec 2021	1.7 (0.33)	1.09-2.38	0.19	1.5 (0.24)	1.05-2	0.16	1.73 (0.18)	1.39-2.09	0.11
Jan 2022	0.74 (0.16)	0.46-1.06	0.21	0.85 (0.14)	0.61-1.13	0.16	0.96 (0.13)	0.71-1.24	0.14
Feb 2022	3.39 (0.47)	2.47-4.3	0.14	3.19 (0.37)	2.44-3.87	0.11	3.05 (0.28)	2.5-3.65	0.09
Mar 2022	5.18 (1.38)	2.76-8.03	0.27	4.7 (1.03)	2.84-6.95	0.22	4.43 (0.86)	2.86-6.26	0.20
Apr 2022	3.12 (0.47)	2.24-4.05	0.15	2.6 (0.41)	1.83-3.44	0.16	2.81 (0.34)	2.18-3.45	0.12
May 2022	6.21 (0.75)	4.73-7.66	0.12	6.55 (0.59)	5.42-7.72	0.09	7.01 (0.47)	6.16-7.89	0.07
Jun 2022	0.38 (0.08)	0.21-0.55	0.22	0.48 (0.09)	0.29-0.66	0.19	0.62 (0.1)	0.43-0.81	0.16
Jul 2022	6.99 (1.06)	4.99-9.05	0.15	6.51 (0.88)	4.83-8.25	0.13	7.34 (0.97)	5.62-9.46	0.13
Aug 2022	20.39 (6.72)	7.94-34.04	0.33	18.53 (4.68)	9.68-27.14	0.25	18.43 (3.99)	11.85-27.22	0.22
Sep 2022	1.2 (0.22)	0.79-1.64	0.19	1.18 (0.17)	0.84-1.48	0.14	1.35 (0.16)	1.04-1.67	0.12
Oct 2022	6.07 (0.84)	4.49-7.75	0.14	6.35 (0.65)	5.17-7.68	0.10	6.46 (0.54)	5.48-7.56	0.08
Nov 2022	15.21 (2.09)	11.24-19.65	0.14	14.22 (1.56)	11.43-17.53	0.11	13.03 (1.14)	10.98-15.36	0.09
Dec 2022	8.75 (1.34)	6.18-11.19	0.15	8.12 (0.88)	6.58-9.97	0.11	8.7 (0.65)	7.57-10.04	0.07
Jan 2023	5.21 (0.74)	3.94-6.75	0.14	5.34 (0.61)	4.22-6.61	0.11	5.78 (0.56)	4.72-6.93	0.10
Feb 2023	6.68 (0.93)	4.89-8.47	0.14	7.13 (0.89)	5.35-8.9	0.12	7.82 (1.01)	5.94-9.91	0.13

Table 13. DBS - East. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	17.84 (2.34)	13.21-22.31	0.13	16.07 (1.89)	12.57-19.65	0.12	14.98 (1.42)	12.2-17.61	0.09
Apr 2021	7.44 (1.38)	4.77-10.06	0.19	8.76 (1.47)	6.19-11.71	0.17	12.43 (3.16)	7.37-19.43	0.25
May 2021	0.41 (0.11)	0.22-0.66	0.28	0.4 (0.09)	0.23-0.59	0.23	0.57 (0.1)	0.38-0.76	0.17
Jun 2021	0.44 (0.12)	0.22-0.69	0.28	0.4 (0.1)	0.22-0.6	0.24	0.44 (0.1)	0.27-0.66	0.23
Jul 2021	6.2 (0.68)	4.83-7.46	0.11	6.74 (0.63)	5.55-8.13	0.09	7.39 (0.73)	6-8.99	0.10
Aug 2021	3.65 (0.73)	2.31-5.11	0.20	3.43 (0.58)	2.36-4.64	0.17	4.59 (0.82)	3.13-6.36	0.18
Sep 2021	2.68 (0.42)	1.87-3.46	0.16	3.33 (0.44)	2.52-4.15	0.13	4.33 (0.54)	3.37-5.47	0.12
Oct 2021	1.43 (0.25)	0.97-1.95	0.18	2.04 (0.25)	1.55-2.55	0.12	2.55 (0.69)	1.55-4.11	0.27
Nov 2021	21.28 (2)	17.49-25.04	0.09	21.73 (1.43)	18.85-24.39	0.07	21.58 (1.12)	19.56-23.72	0.05
Dec 2021	3.62 (0.69)	2.33-5.07	0.19	3.2 (0.52)	2.24-4.26	0.16	3.52 (0.37)	2.83-4.27	0.11
Jan 2022	1.44 (0.3)	0.88-2.04	0.21	1.7 (0.27)	1.21-2.26	0.16	1.85 (0.25)	1.36-2.38	0.14
Feb 2022	7.88 (1.08)	5.75-10.01	0.14	7.53 (0.86)	5.74-9.12	0.11	7.14 (0.67)	5.84-8.55	0.09
Mar 2022	12.07 (3.21)	6.43-18.73	0.27	11.49 (2.53)	6.94-17.01	0.22	11.54 (2.25)	7.45-16.33	0.20
Apr 2022	3.57 (0.54)	2.56-4.64	0.15	3.17 (0.5)	2.24-4.19	0.16	3.34 (0.4)	2.59-4.09	0.12
May 2022	6.49 (0.79)	4.95-8.02	0.12	6.85 (0.61)	5.67-8.06	0.09	7.3 (0.49)	6.41-8.21	0.07
Jun 2022	0.41 (0.09)	0.23-0.58	0.22	0.52 (0.1)	0.33-0.72	0.19	0.66 (0.1)	0.46-0.86	0.16
Jul 2022	7.54 (1.14)	5.39-9.77	0.15	7.12 (0.96)	5.28-9.02	0.13	7.98 (1.05)	6.11-10.27	0.13
Aug 2022	21.75 (7.17)	8.47-36.31	0.33	19.54 (4.94)	10.21-28.63	0.25	19.52 (4.22)	12.56-28.83	0.22
Sep 2022	1.72 (0.32)	1.13-2.34	0.19	1.6 (0.23)	1.15-2.01	0.14	1.73 (0.21)	1.33-2.14	0.12
Oct 2022	6.48 (0.9)	4.79-8.27	0.14	6.77 (0.69)	5.51-8.19	0.10	6.86 (0.57)	5.82-8.02	0.08
Nov 2022	17.11 (2.35)	12.64-22.11	0.14	15.97 (1.76)	12.83-19.68	0.11	14.76 (1.3)	12.44-17.4	0.09
Dec 2022	10.08 (1.54)	7.11-12.89	0.15	9.51 (1.03)	7.71-11.68	0.11	10.81 (0.8)	9.4-12.47	0.07
Jan 2023	6.36 (0.91)	4.81-8.24	0.14	6.5 (0.74)	5.13-8.05	0.11	7.17 (0.7)	5.85-8.6	0.10
Feb 2023	8.16 (1.14)	5.97-10.34	0.14	8.44 (1.05)	6.33-10.54	0.12	9.12 (1.18)	6.93-11.56	0.13

Table 14. DBS - East. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	22.75 (2.99)	16.84-28.45	0.13	20.54 (2.42)	16.06-25.12	0.12	19.15 (1.81)	15.61-22.52	0.09
Apr 2021	9.63 (1.78)	6.17-13.03	0.19	11.38 (1.91)	8.04-15.21	0.17	16.2 (4.12)	9.6-25.33	0.25
May 2021	0.53 (0.15)	0.28-0.85	0.28	0.5 (0.12)	0.28-0.73	0.23	0.73 (0.12)	0.48-0.97	0.17
Jun 2021	0.58 (0.17)	0.29-0.92	0.28	0.52 (0.12)	0.28-0.77	0.24	0.57 (0.13)	0.35-0.86	0.23
Jul 2021	8.1 (0.89)	6.32-9.75	0.11	8.81 (0.83)	7.26-10.62	0.09	9.67 (0.95)	7.85-11.77	0.10
Aug 2021	4.77 (0.95)	3.03-6.69	0.20	4.5 (0.76)	3.09-6.09	0.17	6.01 (1.07)	4.11-8.33	0.18
Sep 2021	3.51 (0.55)	2.45-4.54	0.16	4.36 (0.58)	3.31-5.45	0.13	5.68 (0.71)	4.42-7.18	0.12
Oct 2021	1.86 (0.33)	1.27-2.53	0.18	2.66 (0.32)	2.03-3.32	0.12	3.34 (0.9)	2.03-5.37	0.27
Nov 2021	27.81 (2.61)	22.86-32.72	0.09	28.37 (1.86)	24.61-31.85	0.07	28.21 (1.46)	25.56-31.01	0.05
Dec 2021	4.74 (0.91)	3.04-6.63	0.19	4.2 (0.68)	2.94-5.59	0.16	4.62 (0.49)	3.71-5.59	0.11
Jan 2022	1.8 (0.38)	1.1-2.56	0.21	2.18 (0.35)	1.55-2.89	0.16	2.38 (0.32)	1.75-3.06	0.14
Feb 2022	10.31 (1.42)	7.53-13.09	0.14	9.85 (1.13)	7.51-11.93	0.11	9.34 (0.87)	7.64-11.19	0.09
Mar 2022	15.63 (4.16)	8.32-24.25	0.27	14.89 (3.28)	9-22.04	0.22	15 (2.93)	9.68-21.22	0.20
Apr 2022	4.55 (0.68)	3.26-5.9	0.15	4.03 (0.64)	2.84-5.32	0.16	4.21 (0.5)	3.26-5.16	0.12
May 2022	8.52 (1.03)	6.49-10.52	0.12	8.98 (0.8)	7.43-10.57	0.09	9.56 (0.64)	8.39-10.76	0.07
Jun 2022	0.53 (0.12)	0.3-0.76	0.22	0.67 (0.13)	0.42-0.93	0.19	0.85 (0.14)	0.59-1.11	0.16
Jul 2022	9.84 (1.49)	7.04-12.75	0.15	9.31 (1.25)	6.9-11.79	0.13	10.39 (1.37)	7.96-13.38	0.13
Aug 2022	28.53 (9.4)	11.11-47.62	0.33	25.62 (6.48)	13.39-37.54	0.25	25.58 (5.54)	16.46-37.79	0.22
Sep 2022	2.26 (0.42)	1.49-3.07	0.19	2.09 (0.3)	1.5-2.63	0.14	2.27 (0.27)	1.75-2.81	0.12
Oct 2022	8.37 (1.16)	6.19-10.69	0.14	8.76 (0.89)	7.13-10.59	0.10	8.87 (0.74)	7.52-10.37	0.08
Nov 2022	22.38 (3.08)	16.53-28.92	0.14	20.86 (2.3)	16.77-25.72	0.11	19.25 (1.69)	16.23-22.69	0.09
Dec 2022	13.19 (2.02)	9.31-16.87	0.15	12.43 (1.34)	10.08-15.27	0.11	14.14 (1.05)	12.29-16.31	0.07
Jan 2023	8.26 (1.18)	6.24-10.7	0.14	8.4 (0.95)	6.63-10.4	0.11	9.28 (0.9)	7.57-11.12	0.10
Feb 2023	10.68 (1.49)	7.82-13.55	0.14	11.05 (1.38)	8.28-13.78	0.12	11.94 (1.55)	9.06-15.12	0.13

Table 15. DBS - East. Density (birds Per Square Km) of Herring gull recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.07 (0.04)	0-0.17	0.55	0.07 (0.03)	0.02-0.13	0.48	0.05 (0.02)	0.01-0.1	0.51
Apr 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.98
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.02 (0.02)	0-0.07	0.98	0.02 (0.02)	0-0.05	0.98	0.04 (0.03)	0-0.1	0.73
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.98
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.94	0.01 (0.01)	0-0.04	1.01
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0.05 (0.05)	0-0.14	0.96	0.03 (0.03)	0-0.1	0.96	0.02 (0.02)	0-0.07	1.01
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 16. DBS - East. Density (birds Per Square Km) of Kittiwake recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	22.6 (3.64)	15.48-29.79	0.16	19.12 (2.73)	14.11-24.68	0.14	16.86 (2.03)	13.01-20.99	0.12
Apr 2021	4.08 (1.53)	1.86-7.51	0.38	3.75 (1.06)	2.11-6.04	0.28	3.37 (0.79)	2.12-4.93	0.23
May 2021	1.65 (0.31)	1.07-2.25	0.19	1.5 (0.26)	1.03-2.05	0.17	1.62 (0.23)	1.19-2.12	0.14
Jun 2021	0.15 (0.06)	0.05-0.27	0.38	0.15 (0.05)	0.07-0.25	0.34	0.69 (0.44)	0.12-1.67	0.63
Jul 2021	0.14 (0.06)	0.05-0.27	0.39	0.12 (0.04)	0.05-0.2	0.35	1.16 (0.88)	0.11-3.16	0.76
Aug 2021	0.55 (0.44)	0-1.56	0.80	0.58 (0.39)	0.03-1.47	0.68	0.51 (0.3)	0.08-1.18	0.60
Sep 2021	0.96 (0.23)	0.53-1.41	0.24	1.2 (0.28)	0.71-1.75	0.23	1.21 (0.28)	0.71-1.78	0.23
Oct 2021	1.14 (0.23)	0.71-1.59	0.21	2.51 (1.14)	0.78-4.3	0.46	2.78 (0.93)	1.29-4.75	0.33
Nov 2021	1.57 (0.29)	1.04-2.15	0.18	1.46 (0.21)	1-1.86	0.15	1.4 (0.16)	1.11-1.74	0.12
Dec 2021	0.34 (0.14)	0.12-0.63	0.41	0.28 (0.1)	0.12-0.48	0.34	0.24 (0.08)	0.11-0.41	0.32
Jan 2022	1.92 (0.35)	1.32-2.62	0.18	2.08 (0.29)	1.54-2.66	0.14	1.97 (0.24)	1.5-2.44	0.12
Feb 2022	0.96 (0.18)	0.62-1.3	0.19	0.86 (0.14)	0.59-1.15	0.17	0.92 (0.12)	0.69-1.15	0.13
Mar 2022	10.36 (2.86)	5.47-16.33	0.28	10.66 (2.37)	6.37-15.79	0.22	10.9 (1.77)	7.58-14.55	0.16
Apr 2022	3.91 (0.57)	2.93-5.07	0.14	3.88 (0.52)	2.98-4.94	0.13	4.69 (0.64)	3.52-6.07	0.14
May 2022	1.41 (0.28)	0.91-1.98	0.20	1.43 (0.21)	1.05-1.85	0.14	1.61 (0.21)	1.21-2.07	0.13
Jun 2022	0.36 (0.08)	0.21-0.53	0.23	0.44 (0.09)	0.3-0.64	0.19	0.51 (0.09)	0.36-0.72	0.18
Jul 2022	1.39 (0.37)	0.72-2.14	0.26	1.64 (0.47)	0.83-2.65	0.29	1.61 (0.38)	0.93-2.35	0.24
Aug 2022	13.14 (8.72)	1.31-33.78	0.66	11.3 (6.23)	2.34-25.01	0.55	9.28 (4.5)	2.45-19.32	0.49
Sep 2022	0.64 (0.16)	0.36-0.97	0.25	0.58 (0.12)	0.37-0.83	0.20	2.31 (1.34)	0.53-5.54	0.58
Oct 2022	1.1 (0.32)	0.55-1.8	0.29	2.36 (1.11)	0.87-4.81	0.47	2.57 (0.87)	1.27-4.53	0.34
Nov 2022	7.99 (1.55)	5.17-11.19	0.19	8.15 (1.85)	4.98-11.99	0.23	7.68 (1.41)	5.15-10.47	0.18
Dec 2022	6.85 (1.66)	3.79-10.41	0.24	7.75 (1.34)	5.19-10.52	0.17	11.87 (2.6)	7.58-17.37	0.22
Jan 2023	3.51 (1.29)	1.37-6.34	0.37	3.21 (0.98)	1.52-5.21	0.31	3.8 (0.91)	2.09-5.62	0.24
Feb 2023	3.62 (1.36)	1.72-6.73	0.38	3.53 (0.92)	2.06-5.6	0.26	3.45 (0.74)	2.3-5.1	0.21

Table 17. DBS - East. Density (birds Per Square Km) of Large gull species recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.97
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.07	0.96	0.02 (0.02)	0-0.05	0.96	0.04 (0.03)	0-0.1	0.77
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.98	0.02 (0.02)	0-0.06	0.67
Jan 2023	0.02 (0.02)	0-0.07	0.96	0.02 (0.02)	0-0.05	1.00	0.01 (0.01)	0-0.04	1.01
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 18. DBS - East. Density (birds Per Square Km) of Lesser black-backed gull recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	0.97	0.01 (0.01)	0-0.04	1.00
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0.02 (0.02)	0-0.07	1.00	0.02 (0.02)	0-0.05	1.01	0.01 (0.01)	0-0.04	0.97
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	1.01	0.02 (0.02)	0-0.06	0.69
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.96
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.96	0.01 (0.01)	0-0.04	0.96
Aug 2022	0.05 (0.05)	0-0.14	1.01	0.03 (0.03)	0-0.1	0.97	0.02 (0.02)	0-0.07	1.00
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



Table 19. DBS - East. Density (birds Per Square Km) of Little auk recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.05 (0.03)	0-0.12	0.74	0.1 (0.07)	0-0.26	0.72	0.09 (0.05)	0.01-0.21	0.58
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 20. DBS - East. Density (birds Per Square Km) of Little gull recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.4 (0.33)	0-1.15	0.83	0.36 (0.24)	0.02-0.92	0.66
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 21. DBS - East. Density (birds Per Square Km) of Manx shearwater recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.02 (0.02)	0-0.07	0.98	0.02 (0.02)	0-0.05	1.03	0.01 (0.01)	0-0.04	0.98
Aug 2022	0.02 (0.02)	0-0.07	0.98	0.02 (0.02)	0-0.05	1.01	0.01 (0.01)	0-0.04	0.94
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 22. DBS - East. Density (birds Per Square Km) of Puffin recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.12 (0.06)	0.02-0.24	0.46	0.12 (0.03)	0.07-0.18	0.29	0.14 (0.05)	0.06-0.24	0.32
Apr 2021	0.14 (0.05)	0.05-0.26	0.37	0.11 (0.04)	0.05-0.18	0.33	0.12 (0.04)	0.06-0.19	0.30
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.03 (0.02)	0.02-0.07	0.46	0.02 (0.02)	0-0.06	0.66
Oct 2021	0.52 (0.16)	0.24-0.86	0.31	0.49 (0.11)	0.29-0.72	0.23	0.5 (0.1)	0.32-0.7	0.20
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.02 (0.02)	0-0.05	0.75	0.02 (0.01)	0-0.05	0.81	0.01 (0.01)	0-0.04	0.90
May 2022	0.24 (0.05)	0.14-0.33	0.21	0.21 (0.05)	0.11-0.33	0.26	0.2 (0.05)	0.11-0.32	0.27
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0.11 (0.09)	0-0.3	0.80
Aug 2022	0.02 (0.02)	0-0.07	0.89	0.02 (0.01)	0-0.05	0.90	0.01 (0.01)	0-0.04	0.97
Sep 2022	0.03 (0.02)	0-0.08	0.85	0.02 (0.02)	0-0.05	0.91	0.01 (0.01)	0-0.04	0.96
Oct 2022	0.02 (0.02)	0-0.07	0.86	0.03 (0.02)	0-0.08	0.62	0.04 (0.02)	0-0.08	0.54
Nov 2022	0 (0)	0-0		0.02 (0.01)	0-0.05	0.87	0.04 (0.02)	0-0.07	0.52
Dec 2022	0.07 (0.04)	0-0.16	0.63	0.06 (0.03)	0-0.13	0.53	0.09 (0.04)	0.02-0.16	0.39
Jan 2023	0.07 (0.03)	0.02-0.14	0.47	0.08 (0.03)	0.03-0.15	0.39	0.06 (0.03)	0.01-0.11	0.41
Feb 2023	0.14 (0.06)	0.05-0.26	0.41	0.1 (0.04)	0.03-0.18	0.41	0.1 (0.04)	0.02-0.19	0.43

Table 23. DBS - East. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.12 (0.06)	0.02-0.24	0.46	0.12 (0.03)	0.07-0.18	0.29	0.14 (0.05)	0.06-0.24	0.32
Apr 2021	0.14 (0.05)	0.05-0.26	0.37	0.11 (0.04)	0.05-0.18	0.33	0.12 (0.04)	0.06-0.19	0.30
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.03 (0.02)	0.02-0.07	0.46	0.02 (0.02)	0-0.06	0.66
Oct 2021	0.57 (0.18)	0.26-0.93	0.31	0.57 (0.13)	0.34-0.84	0.23	0.58 (0.12)	0.38-0.82	0.20
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.02 (0.02)	0-0.05	0.75	0.02 (0.01)	0-0.05	0.81	0.01 (0.01)	0-0.04	0.90
May 2022	0.24 (0.05)	0.14-0.33	0.21	0.21 (0.05)	0.11-0.33	0.26	0.2 (0.05)	0.11-0.32	0.27
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0.11 (0.09)	0-0.3	0.80
Aug 2022	0.02 (0.02)	0-0.07	0.89	0.02 (0.01)	0-0.05	0.90	0.01 (0.01)	0-0.04	0.97
Sep 2022	0.03 (0.02)	0-0.08	0.85	0.02 (0.02)	0-0.05	0.91	0.01 (0.01)	0-0.04	0.96
Oct 2022	0.02 (0.02)	0-0.07	0.86	0.03 (0.02)	0-0.08	0.62	0.04 (0.02)	0-0.08	0.54
Nov 2022	0 (0)	0-0		0.02 (0.01)	0-0.05	0.87	0.04 (0.02)	0-0.07	0.52
Dec 2022	0.07 (0.04)	0-0.16	0.63	0.06 (0.03)	0-0.13	0.53	0.09 (0.04)	0.02-0.16	0.39
Jan 2023	0.07 (0.03)	0.02-0.14	0.47	0.08 (0.03)	0.03-0.15	0.39	0.06 (0.03)	0.01-0.11	0.41
Feb 2023	0.14 (0.06)	0.05-0.26	0.41	0.1 (0.04)	0.03-0.18	0.41	0.1 (0.04)	0.02-0.19	0.43

Table 24. DBS - East. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.14 (0.07)	0.03-0.29	0.46	0.13 (0.04)	0.07-0.21	0.29	0.17 (0.05)	0.07-0.28	0.32
Apr 2021	0.17 (0.06)	0.06-0.31	0.37	0.13 (0.04)	0.06-0.21	0.33	0.14 (0.04)	0.07-0.23	0.30
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.03 (0.02)	0.02-0.07	0.46	0.02 (0.02)	0-0.06	0.66
Oct 2021	0.67 (0.21)	0.3-1.09	0.31	0.67 (0.15)	0.4-0.98	0.23	0.68 (0.14)	0.44-0.96	0.20
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.02 (0.02)	0-0.05	0.75	0.02 (0.01)	0-0.05	0.81	0.01 (0.01)	0-0.04	0.90
May 2022	0.29 (0.06)	0.17-0.4	0.21	0.25 (0.06)	0.13-0.38	0.26	0.24 (0.06)	0.13-0.38	0.27
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0.12 (0.1)	0-0.34	0.80
Aug 2022	0.02 (0.02)	0-0.07	0.89	0.02 (0.01)	0-0.05	0.90	0.01 (0.01)	0-0.04	0.97
Sep 2022	0.03 (0.02)	0-0.08	0.85	0.02 (0.02)	0-0.05	0.91	0.01 (0.01)	0-0.04	0.96
Oct 2022	0.02 (0.02)	0-0.07	0.86	0.03 (0.02)	0-0.08	0.62	0.04 (0.02)	0-0.08	0.54
Nov 2022	0 (0)	0-0		0.02 (0.01)	0-0.05	0.87	0.04 (0.02)	0-0.07	0.52
Dec 2022	0.07 (0.04)	0-0.16	0.63	0.08 (0.04)	0-0.16	0.53	0.11 (0.04)	0.03-0.18	0.39
Jan 2023	0.07 (0.03)	0.02-0.14	0.47	0.1 (0.04)	0.04-0.18	0.39	0.07 (0.03)	0.01-0.13	0.41
Feb 2023	0.17 (0.07)	0.05-0.31	0.41	0.11 (0.05)	0.04-0.21	0.41	0.11 (0.05)	0.03-0.21	0.43

Table 25. DBS - East. Density (birds Per Square Km) of Razorbill recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	4.93 (0.95)	3.15-6.9	0.19	5.14 (0.74)	3.72-6.59	0.14	5.07 (0.54)	4.04-6.13	0.11
Apr 2021	0.64 (0.22)	0.26-1.14	0.34	0.77 (0.2)	0.39-1.18	0.26	1.23 (0.45)	0.52-2.22	0.36
May 2021	0.44 (0.12)	0.22-0.68	0.28	0.48 (0.1)	0.28-0.66	0.21	0.39 (0.09)	0.21-0.57	0.24
Jun 2021	0.02 (0.02)	0-0.07	0.86	0.05 (0.03)	0-0.12	0.59	0.05 (0.02)	0.01-0.1	0.47
Jul 2021	0.05 (0.03)	0-0.1	0.56	0.03 (0.02)	0-0.07	0.51	0.02 (0.02)	0-0.06	0.64
Aug 2021	0.05 (0.03)	0-0.12	0.63	0.12 (0.02)	0.08-0.16	0.19	0.12 (0.04)	0.05-0.21	0.35
Sep 2021	0.38 (0.12)	0.19-0.62	0.30	0.36 (0.09)	0.2-0.54	0.26	0.41 (0.11)	0.2-0.65	0.27
Oct 2021	0.1 (0.05)	0-0.19	0.51	0.49 (0.25)	0.07-0.91	0.51	0.56 (0.28)	0.1-1.17	0.50
Nov 2021	4.11 (0.62)	3.02-5.39	0.15	3.79 (0.34)	3.12-4.45	0.09	3.54 (0.32)	2.92-4.17	0.09
Dec 2021	0.1 (0.04)	0.02-0.19	0.45	0.13 (0.05)	0.03-0.23	0.38	0.19 (0.08)	0.06-0.36	0.41
Jan 2022	0.43 (0.12)	0.19-0.65	0.27	0.48 (0.11)	0.26-0.69	0.24	0.49 (0.1)	0.32-0.7	0.19
Feb 2022	0.79 (0.17)	0.5-1.15	0.21	0.69 (0.14)	0.43-0.97	0.20	0.54 (0.11)	0.35-0.75	0.19
Mar 2022	1.33 (0.52)	0.46-2.44	0.39	1.36 (0.56)	0.4-2.59	0.41	1.25 (0.44)	0.49-2.2	0.35
Apr 2022	0.5 (0.17)	0.21-0.83	0.34	0.46 (0.13)	0.21-0.7	0.28	0.51 (0.12)	0.3-0.77	0.23
May 2022	0.62 (0.19)	0.29-1	0.30	0.62 (0.15)	0.36-0.92	0.23	0.71 (0.15)	0.43-1.01	0.21
Jun 2022	0 (0)	0-0		0.02 (0.01)	0-0.03	0.79	0.08 (0.03)	0.02-0.16	0.39
Jul 2022	0.38 (0.12)	0.17-0.62	0.31	0.58 (0.16)	0.28-0.89	0.27	0.67 (0.15)	0.34-0.94	0.23
Aug 2022	15.38 (5.66)	5.82-27.41	0.37	14.22 (4.42)	6.52-24	0.31	12.24 (3.3)	6.09-18.86	0.27
Sep 2022	0.54 (0.12)	0.33-0.77	0.22	0.79 (0.12)	0.56-1.02	0.15	0.95 (0.15)	0.67-1.23	0.15
Oct 2022	5.25 (2.47)	1.75-10.87	0.47	5.91 (1.7)	3.12-9.58	0.29	5.84 (1.35)	3.68-8.75	0.23
Nov 2022	4.98 (0.58)	3.85-6.14	0.12	4.73 (0.44)	3.85-5.59	0.09	4.47 (0.41)	3.69-5.33	0.09
Dec 2022	2.51 (0.59)	1.49-3.72	0.24	2.19 (0.43)	1.47-3.13	0.20	2.72 (0.39)	2.01-3.57	0.14
Jan 2023	3.96 (1.08)	1.99-6.24	0.27	3.79 (0.87)	2.23-5.57	0.23	3.77 (0.68)	2.42-5.14	0.18
Feb 2023	4.36 (0.89)	2.72-6.23	0.20	4.07 (0.69)	2.75-5.45	0.17	4.95 (0.78)	3.43-6.56	0.16

Table 26. DBS - East. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	8.2 (1.58)	5.24-11.48	0.19	8.34 (1.2)	6.04-10.69	0.14	8.15 (0.86)	6.5-9.85	0.11
Apr 2021	1.07 (0.37)	0.44-1.91	0.34	1.24 (0.33)	0.64-1.91	0.26	1.98 (0.71)	0.83-3.55	0.36
May 2021	0.48 (0.13)	0.24-0.75	0.28	0.56 (0.12)	0.33-0.78	0.21	0.46 (0.11)	0.24-0.68	0.24
Jun 2021	0.02 (0.02)	0-0.07	0.86	0.07 (0.04)	0-0.16	0.59	0.06 (0.03)	0.02-0.12	0.47
Jul 2021	0.05 (0.03)	0-0.1	0.56	0.03 (0.02)	0-0.07	0.51	0.02 (0.02)	0-0.06	0.64
Aug 2021	0.07 (0.04)	0-0.18	0.63	0.16 (0.03)	0.12-0.24	0.19	0.17 (0.06)	0.07-0.29	0.35
Sep 2021	0.48 (0.14)	0.24-0.78	0.30	0.43 (0.11)	0.23-0.64	0.26	0.49 (0.14)	0.25-0.78	0.27
Oct 2021	0.14 (0.07)	0-0.29	0.51	0.75 (0.38)	0.1-1.4	0.51	0.86 (0.43)	0.15-1.79	0.50
Nov 2021	5.9 (0.89)	4.34-7.74	0.15	5.61 (0.51)	4.63-6.6	0.09	5.22 (0.47)	4.3-6.15	0.09
Dec 2021	0.19 (0.09)	0.05-0.39	0.45	0.3 (0.11)	0.07-0.52	0.38	0.4 (0.16)	0.13-0.75	0.41
Jan 2022	0.84 (0.23)	0.37-1.26	0.27	0.95 (0.23)	0.52-1.38	0.24	0.95 (0.18)	0.62-1.34	0.19
Feb 2022	1.83 (0.39)	1.16-2.66	0.21	1.63 (0.33)	1.01-2.29	0.20	1.27 (0.25)	0.81-1.74	0.19
Mar 2022	3.12 (1.22)	1.08-5.73	0.39	3.34 (1.37)	0.98-6.35	0.41	3.26 (1.16)	1.27-5.73	0.35
Apr 2022	0.57 (0.19)	0.24-0.95	0.34	0.57 (0.16)	0.27-0.88	0.28	0.61 (0.14)	0.35-0.91	0.23
May 2022	0.64 (0.2)	0.3-1.04	0.30	0.64 (0.15)	0.37-0.94	0.23	0.75 (0.16)	0.45-1.06	0.21
Jun 2022	0 (0)	0-0		0.02 (0.01)	0-0.03	0.79	0.08 (0.03)	0.02-0.16	0.39
Jul 2022	0.41 (0.13)	0.18-0.66	0.31	0.63 (0.17)	0.31-0.97	0.27	0.73 (0.17)	0.37-1.03	0.23
Aug 2022	16.43 (6.04)	6.22-29.28	0.37	15.02 (4.67)	6.89-25.35	0.31	12.96 (3.49)	6.45-19.97	0.27
Sep 2022	0.77 (0.17)	0.48-1.1	0.22	1.06 (0.16)	0.75-1.36	0.15	1.22 (0.19)	0.86-1.58	0.15
Oct 2022	5.61 (2.64)	1.87-11.61	0.47	6.28 (1.81)	3.32-10.19	0.29	6.19 (1.43)	3.9-9.27	0.23
Nov 2022	5.62 (0.66)	4.35-6.92	0.12	5.33 (0.5)	4.33-6.29	0.09	5.07 (0.47)	4.19-6.04	0.09
Dec 2022	2.88 (0.68)	1.71-4.27	0.24	2.56 (0.51)	1.72-3.66	0.20	3.37 (0.49)	2.5-4.44	0.14
Jan 2023	4.83 (1.32)	2.43-7.61	0.27	4.61 (1.06)	2.72-6.79	0.23	4.68 (0.85)	3-6.38	0.18
Feb 2023	5.32 (1.08)	3.31-7.59	0.20	4.83 (0.82)	3.26-6.46	0.17	5.77 (0.91)	4.01-7.65	0.16



Table 27. DBS - East. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	9.86 (1.9)	6.3-13.8	0.19	10 (1.44)	7.25-12.83	0.14	9.79 (1.04)	7.81-11.84	0.11
Apr 2021	1.29 (0.44)	0.52-2.29	0.34	1.51 (0.39)	0.77-2.31	0.26	2.38 (0.86)	1-4.28	0.36
May 2021	0.58 (0.16)	0.29-0.91	0.28	0.66 (0.14)	0.39-0.91	0.21	0.55 (0.13)	0.29-0.8	0.24
Jun 2021	0.02 (0.02)	0-0.07	0.86	0.08 (0.05)	0-0.19	0.59	0.07 (0.03)	0.02-0.15	0.47
Jul 2021	0.05 (0.03)	0-0.1	0.56	0.03 (0.02)	0-0.07	0.51	0.02 (0.02)	0-0.06	0.64
Aug 2021	0.1 (0.06)	0-0.24	0.63	0.2 (0.04)	0.14-0.28	0.19	0.21 (0.07)	0.08-0.35	0.35
Sep 2021	0.57 (0.17)	0.29-0.93	0.30	0.51 (0.13)	0.28-0.77	0.26	0.6 (0.17)	0.3-0.96	0.27
Oct 2021	0.17 (0.08)	0-0.33	0.51	0.91 (0.46)	0.12-1.7	0.51	1.04 (0.52)	0.18-2.17	0.50
Nov 2021	7.13 (1.08)	5.25-9.36	0.15	6.79 (0.61)	5.6-7.99	0.09	6.33 (0.56)	5.22-7.46	0.09
Dec 2021	0.24 (0.11)	0.06-0.49	0.45	0.37 (0.14)	0.09-0.64	0.38	0.49 (0.2)	0.15-0.91	0.41
Jan 2022	1.01 (0.27)	0.45-1.51	0.27	1.15 (0.27)	0.63-1.66	0.24	1.13 (0.22)	0.74-1.6	0.19
Feb 2022	2.21 (0.47)	1.41-3.22	0.21	1.98 (0.4)	1.22-2.78	0.20	1.52 (0.3)	0.98-2.09	0.19
Mar 2022	3.77 (1.48)	1.3-6.93	0.39	4.03 (1.66)	1.18-7.67	0.41	3.95 (1.4)	1.54-6.95	0.35
Apr 2022	0.67 (0.22)	0.29-1.11	0.34	0.67 (0.19)	0.31-1.03	0.28	0.72 (0.17)	0.42-1.07	0.23
May 2022	0.79 (0.24)	0.36-1.27	0.30	0.77 (0.18)	0.45-1.13	0.23	0.9 (0.19)	0.55-1.28	0.21
Jun 2022	0 (0)	0-0		0.02 (0.01)	0-0.03	0.79	0.1 (0.04)	0.03-0.18	0.39
Jul 2022	0.5 (0.15)	0.22-0.82	0.31	0.76 (0.21)	0.37-1.17	0.27	0.89 (0.2)	0.45-1.25	0.23
Aug 2022	19.89 (7.31)	7.52-35.44	0.37	18.18 (5.65)	8.33-30.69	0.31	15.69 (4.23)	7.81-24.18	0.27
Sep 2022	0.92 (0.2)	0.57-1.32	0.22	1.25 (0.19)	0.89-1.61	0.15	1.45 (0.22)	1.02-1.88	0.15
Oct 2022	6.6 (3.11)	2.2-13.64	0.47	7.22 (2.08)	3.81-11.71	0.29	7.09 (1.64)	4.46-10.62	0.23
Nov 2022	6.79 (0.79)	5.25-8.36	0.12	6.45 (0.6)	5.25-7.61	0.09	6.13 (0.56)	5.06-7.3	0.09
Dec 2022	3.44 (0.81)	2.04-5.09	0.24	3.07 (0.61)	2.06-4.39	0.20	4.05 (0.59)	3.01-5.33	0.14
Jan 2023	5.83 (1.59)	2.93-9.19	0.27	5.59 (1.29)	3.29-8.22	0.23	5.67 (1.02)	3.64-7.73	0.18
Feb 2023	6.41 (1.3)	4-9.15	0.20	5.83 (0.99)	3.93-7.79	0.17	6.98 (1.1)	4.84-9.25	0.16

Table 28. DBS - East. Density (birds Per Square Km) of Small gull species recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0.14 (0.14)	0-0.43	0.99	0.1 (0.09)	0-0.3	0.95	0.07 (0.07)	0-0.22	0.95
Sep 2021	0.05 (0.03)	0-0.12	0.66	0.03 (0.02)	0-0.08	0.70	0.02 (0.02)	0-0.06	0.70
Oct 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	0.97	0.04 (0.02)	0-0.08	0.58
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0.02 (0.02)	0-0.07	0.96	0.02 (0.02)	0-0.05	0.97	0.01 (0.01)	0-0.04	0.97
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0.41 (0.15)	0.15-0.75	0.37	0.32 (0.11)	0.13-0.55	0.34	0.24 (0.08)	0.1-0.43	0.33
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.1 (0.09)	0-0.29	0.96	0.08 (0.07)	0-0.26	0.85	0.08 (0.05)	0.01-0.2	0.63
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0.09 (0.04)	0.02-0.19	0.47	0.1 (0.04)	0.03-0.18	0.40	0.07 (0.03)	0.02-0.13	0.40
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.98

Table 29. DBS - East. Density (birds Per Square Km) of Tern species recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.12 (0.1)	0-0.36	0.81	0.08 (0.07)	0-0.23	0.83	0.12 (0.08)	0-0.3	0.67
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 30. DBSouth - West. Density (birds Per Square Km) of Arctic skua recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.07	1.01	0.02 (0.02)	0-0.05	0.99	0.01 (0.01)	0-0.04	0.97
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 31. DBSouth - West. Density (birds Per Square Km) of Arctic tern recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.78
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.05 (0.05)	0-0.14	0.99	0.03 (0.03)	0-0.1	0.82	0.02 (0.02)	0-0.07	0.82
Aug 2022	0.12 (0.08)	0-0.31	0.71	0.13 (0.04)	0.05-0.21	0.32	0.17 (0.06)	0.06-0.28	0.34
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 32. DBSouth - West. Density (birds Per Square Km) of Black-backed gull species recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0.02 (0.02)	0-0.07	0.98	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	0.96
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.02 (0.02)	0-0.07	1.01	0.02 (0.02)	0-0.05	0.99	0.01 (0.01)	0-0.04	0.98
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 33. DBSouth - West. Density (birds Per Square Km) of Commic tern recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0.36 (0.3)	0-1.04	0.85	0.25 (0.22)	0-0.72	0.88	0.22 (0.14)	0.01-0.44	0.63
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.02 (0.02)	0-0.07	0.95	0.02 (0.01)	0-0.05	0.89	0.05 (0.04)	0-0.13	0.74
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.07 (0.05)	0-0.16	0.64	0.11 (0.05)	0.03-0.23	0.44	0.09 (0.03)	0.04-0.17	0.35
Aug 2022	0.26 (0.12)	0.05-0.53	0.47	0.25 (0.1)	0.08-0.44	0.39	0.59 (0.24)	0.13-1.03	0.40
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 34. DBSouth - West. Density (birds Per Square Km) of Common gull recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0.02 (0.01)	0-0.04	0.71	0.01 (0.01)	0-0.03	0.71
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.31 (0.14)	0.07-0.6	0.46	0.26 (0.07)	0.13-0.39	0.26	0.23 (0.06)	0.11-0.34	0.26
Sep 2022	0.12 (0.11)	0-0.36	0.89	0.08 (0.06)	0-0.16	0.70	0.06 (0.04)	0-0.12	0.70
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



Table 35. DBSouth - West. Density (birds Per Square Km) of Common tern recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0.02 (0.02)	0-0.09	1.06	0.02 (0.02)	0-0.05	0.95	0.01 (0.01)	0-0.04	1.01
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.02 (0.02)	0-0.07	1.01	0.02 (0.02)	0-0.05	1.00	0.01 (0.01)	0-0.04	0.98
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 36. DBSouth - West. Density (birds Per Square Km) of Fulmar recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.19 (0.08)	0.05-0.36	0.42	0.15 (0.05)	0.05-0.25	0.32	0.11 (0.03)	0.05-0.17	0.27
Apr 2021	0.45 (0.37)	0-1.25	0.83	0.32 (0.24)	0-0.87	0.74	0.25 (0.14)	0.02-0.48	0.57
May 2021	0.12 (0.06)	0.02-0.23	0.47	0.15 (0.04)	0.08-0.23	0.26	0.14 (0.03)	0.08-0.2	0.21
Jun 2021	0.07 (0.04)	0-0.14	0.53	0.15 (0.06)	0.03-0.28	0.42	0.16 (0.05)	0.07-0.25	0.31
Jul 2021	0.02 (0.02)	0-0.07	0.94	0.03 (0.02)	0-0.07	0.58	0.04 (0.01)	0.01-0.06	0.38
Aug 2021	0.14 (0.06)	0.05-0.28	0.43	0.16 (0.05)	0.06-0.27	0.33	0.23 (0.06)	0.12-0.35	0.26
Sep 2021	0.12 (0.05)	0.02-0.22	0.43	0.18 (0.05)	0.1-0.28	0.26	0.14 (0.03)	0.08-0.21	0.21
Oct 2021	0.1 (0.05)	0.02-0.21	0.56	0.06 (0.03)	0.02-0.13	0.50	0.05 (0.02)	0.01-0.08	0.40
Nov 2021	0.17 (0.06)	0.06-0.31	0.38	0.3 (0.12)	0.11-0.55	0.39	0.39 (0.09)	0.21-0.57	0.23
Dec 2021	0 (0)	0-0		0.03 (0.03)	0-0.1	0.86	0.02 (0.02)	0-0.05	0.68
Jan 2022	0.09 (0.05)	0-0.21	0.55	0.08 (0.04)	0.02-0.16	0.44	0.06 (0.03)	0.01-0.11	0.44
Feb 2022	0.12 (0.05)	0.02-0.23	0.43	0.13 (0.04)	0.05-0.21	0.33	0.12 (0.03)	0.06-0.18	0.25
Mar 2022	0.02 (0.02)	0-0.07	0.88	0.03 (0.02)	0-0.06	0.59	0.02 (0.01)	0-0.05	0.49
Apr 2022	0.09 (0.05)	0-0.21	0.56	0.06 (0.03)	0-0.13	0.50	0.11 (0.04)	0.04-0.18	0.35
May 2022	0.12 (0.05)	0.02-0.21	0.42	0.1 (0.03)	0.05-0.15	0.26	0.12 (0.02)	0.08-0.16	0.16
Jun 2022	0.02 (0.02)	0-0.07	0.89	0.05 (0.03)	0-0.11	0.59	0.06 (0.02)	0.02-0.1	0.37
Jul 2022	0.14 (0.07)	0.02-0.28	0.46	0.11 (0.04)	0.03-0.19	0.38	0.08 (0.02)	0.05-0.13	0.25
Aug 2022	0.05 (0.04)	0-0.14	0.87	0.03 (0.03)	0-0.1	0.84	0.05 (0.02)	0-0.1	0.47
Sep 2022	0.07 (0.04)	0-0.17	0.54	0.07 (0.02)	0.02-0.11	0.36	0.08 (0.02)	0.05-0.12	0.21
Oct 2022	0.21 (0.08)	0.07-0.38	0.36	0.28 (0.07)	0.15-0.42	0.26	0.25 (0.03)	0.19-0.31	0.14
Nov 2022	0.05 (0.03)	0-0.12	0.64	0.05 (0.02)	0-0.1	0.50	0.05 (0.02)	0.01-0.08	0.35
Dec 2022	0.05 (0.03)	0-0.12	0.64	0.05 (0.02)	0.02-0.08	0.40	0.2 (0.1)	0.04-0.35	0.52
Jan 2023	0.16 (0.05)	0.07-0.28	0.33	0.18 (0.04)	0.1-0.25	0.24	0.16 (0.03)	0.09-0.23	0.21
Feb 2023	0.94 (0.24)	0.52-1.44	0.25	0.98 (0.17)	0.66-1.32	0.18	0.95 (0.12)	0.73-1.17	0.12

Table 37. DBSouth - West. Density (birds Per Square Km) of Gannet recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.24 (0.07)	0.1-0.39	0.30	0.22 (0.06)	0.12-0.33	0.27	0.23 (0.05)	0.15-0.33	0.21
Apr 2021	1.23 (0.26)	0.73-1.72	0.21	1.13 (0.19)	0.79-1.52	0.17	0.95 (0.14)	0.69-1.22	0.14
May 2021	0.63 (0.12)	0.4-0.87	0.19	0.55 (0.09)	0.37-0.73	0.16	0.78 (0.17)	0.46-1.12	0.22
Jun 2021	0.07 (0.02)	0.05-0.1	0.27	0.13 (0.05)	0.05-0.21	0.36	0.16 (0.05)	0.07-0.25	0.31
Jul 2021	0.17 (0.08)	0.02-0.33	0.50	0.15 (0.07)	0.03-0.28	0.44	0.12 (0.05)	0.04-0.23	0.44
Aug 2021	0.68 (0.11)	0.44-0.89	0.17	0.66 (0.07)	0.51-0.8	0.11	0.55 (0.06)	0.43-0.67	0.11
Sep 2021	0.5 (0.07)	0.38-0.62	0.14	0.53 (0.06)	0.41-0.64	0.11	0.59 (0.07)	0.45-0.74	0.12
Oct 2021	0.74 (0.14)	0.45-1.02	0.19	0.62 (0.14)	0.36-0.89	0.23	0.55 (0.1)	0.36-0.76	0.19
Nov 2021	0.56 (0.2)	0.17-0.89	0.35	0.44 (0.11)	0.23-0.67	0.26	0.42 (0.13)	0.19-0.67	0.30
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0.02 (0.02)	0-0.05	0.74	0.23 (0.11)	0.02-0.45	0.49	0.43 (0.13)	0.18-0.7	0.31
Apr 2022	1.99 (0.37)	1.26-2.65	0.19	1.97 (0.36)	1.23-2.65	0.18	1.84 (0.3)	1.31-2.46	0.16
May 2022	0.33 (0.13)	0.09-0.62	0.40	0.67 (0.15)	0.39-0.95	0.22	0.75 (0.15)	0.47-1.05	0.20
Jun 2022	0.19 (0.05)	0.1-0.29	0.26	0.19 (0.03)	0.13-0.24	0.15	0.18 (0.04)	0.11-0.25	0.20
Jul 2022	0.63 (0.18)	0.28-0.99	0.29	0.68 (0.11)	0.47-0.89	0.16	0.58 (0.1)	0.4-0.77	0.17
Aug 2022	0.58 (0.13)	0.34-0.82	0.22	0.54 (0.09)	0.38-0.72	0.17	0.48 (0.09)	0.3-0.69	0.20
Sep 2022	0.86 (0.29)	0.33-1.39	0.34	0.92 (0.26)	0.46-1.41	0.29	0.95 (0.29)	0.46-1.54	0.31
Oct 2022	2.74 (0.41)	1.93-3.53	0.15	2.46 (0.3)	1.92-3.04	0.12	2.12 (0.23)	1.69-2.59	0.11
Nov 2022	1.26 (0.21)	0.86-1.69	0.17	1.24 (0.22)	0.82-1.66	0.18	0.97 (0.15)	0.7-1.28	0.15
Dec 2022	0.36 (0.08)	0.19-0.53	0.23	0.33 (0.08)	0.18-0.48	0.23	0.39 (0.11)	0.18-0.62	0.29
Jan 2023	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.78
Feb 2023	0.09 (0.04)	0.02-0.17	0.43	0.08 (0.03)	0.03-0.13	0.36	0.06 (0.02)	0.02-0.11	0.38

Table 38. DBSouth - West. Density (birds Per Square Km) of Great black-backed gull recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.94
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0.07 (0.07)	0-0.2	1.01	0.05 (0.05)	0-0.15	1.02
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.99
Nov 2021	0 (0)	0-0		0.02 (0.02)	0-0.06	0.95	0.01 (0.01)	0-0.04	1.00
Dec 2021	0.1 (0.09)	0-0.29	0.99	0.08 (0.07)	0-0.23	0.81	0.06 (0.05)	0-0.17	0.79
Jan 2022	0 (0)	0-0		0.08 (0.05)	0-0.2	0.59	0.11 (0.05)	0.02-0.2	0.42
Feb 2022	0.05 (0.03)	0-0.12	0.67	0.05 (0.03)	0-0.11	0.57	0.07 (0.03)	0.02-0.13	0.40
Mar 2022	0 (0)	0-0		0 (0)	0-0		0.05 (0.03)	0-0.12	0.71
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.05 (0.04)	0-0.14	0.93	0.03 (0.03)	0-0.1	1.03	0.02 (0.02)	0-0.07	0.99
Sep 2022	0.1 (0.06)	0-0.24	0.65	0.21 (0.14)	0.02-0.56	0.67	0.16 (0.1)	0.01-0.38	0.65
Oct 2022	0.02 (0.02)	0-0.07	1.03	0.02 (0.02)	0-0.05	0.99	0.01 (0.01)	0-0.04	1.04
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.07 (0.05)	0-0.19	0.71	0.05 (0.04)	0-0.13	0.73	0.1 (0.05)	0.02-0.2	0.46
Jan 2023	0.09 (0.05)	0.02-0.19	0.51	0.06 (0.03)	0.02-0.13	0.48	0.05 (0.02)	0.01-0.09	0.50
Feb 2023	0.05 (0.03)	0-0.12	0.70	0.15 (0.09)	0.02-0.35	0.65	0.11 (0.07)	0.01-0.27	0.70

Table 39. DBSouth - West. Density (birds Per Square Km) of Great northern diver recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0.02 (0.02)	0-0.07	1.01	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	0.95
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.96
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 40. DBSouth - West. Density (birds Per Square Km) of Great skua recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	0.97	0.01 (0.01)	0-0.04	1.02
Oct 2021	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	1.00	0.01 (0.01)	0-0.05	1.03
Nov 2021	0.03 (0.03)	0-0.08	0.99	0.02 (0.02)	0-0.06	0.97	0.03 (0.02)	0-0.07	0.73
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.02)	0-0.07	0.98
Sep 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	1.00
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.99
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 41. DBSouth - West. Density (birds Per Square Km) of Guillemot recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	6.32 (0.87)	4.73-8.09	0.14	7.71 (0.83)	6.07-9.26	0.11	9.92 (1.2)	7.58-12.1	0.12
Apr 2021	10.84 (1.45)	7.99-13.86	0.13	10.17 (1.27)	7.74-12.6	0.12	9.11 (1.04)	7.02-11.07	0.11
May 2021	1.39 (0.22)	0.96-1.81	0.16	1.2 (0.16)	0.91-1.53	0.14	1.44 (0.2)	1.06-1.83	0.14
Jun 2021	1.59 (0.22)	1.14-2.03	0.14	2.09 (0.22)	1.65-2.52	0.10	1.97 (0.29)	1.42-2.56	0.15
Jul 2021	8.97 (0.93)	7.16-10.7	0.10	8.72 (0.65)	7.49-9.99	0.07	9.11 (0.63)	7.87-10.33	0.07
Aug 2021	2.76 (0.36)	2.03-3.44	0.13	2.92 (0.35)	2.3-3.66	0.12	3.31 (0.45)	2.45-4.18	0.13
Sep 2021	1.25 (0.22)	0.82-1.68	0.18	1.48 (0.2)	1.1-1.87	0.14	2.09 (0.3)	1.5-2.63	0.14
Oct 2021	1.62 (0.23)	1.19-2.09	0.14	1.79 (0.26)	1.33-2.31	0.14	1.68 (0.19)	1.31-2.06	0.12
Nov 2021	7.31 (1.06)	5.19-9.31	0.15	7.13 (0.71)	5.83-8.51	0.10	7.67 (0.67)	6.35-8.98	0.09
Dec 2021	1.28 (0.31)	0.7-1.85	0.24	1.75 (0.41)	0.97-2.56	0.24	1.62 (0.33)	1-2.27	0.20
Jan 2022	1.73 (0.39)	0.92-2.49	0.23	2.5 (0.59)	1.31-3.6	0.24	2.43 (0.42)	1.64-3.26	0.17
Feb 2022	2.72 (0.41)	1.93-3.53	0.15	2.77 (0.47)	1.88-3.68	0.17	3.11 (0.35)	2.4-3.75	0.11
Mar 2022	1.51 (0.34)	0.91-2.19	0.22	1.96 (0.28)	1.42-2.49	0.14	3.56 (0.82)	2-5.09	0.23
Apr 2022	6.94 (0.9)	5.31-8.7	0.13	7.31 (0.92)	5.54-9.12	0.13	7.49 (0.9)	5.72-9.28	0.12
May 2022	13.4 (1.41)	10.53-16.06	0.11	12.81 (1.14)	10.64-15.06	0.09	13.4 (0.91)	11.61-15.12	0.07
Jun 2022	3.25 (0.95)	1.5-5.08	0.29	2.84 (0.7)	1.56-4.16	0.25	2.57 (0.61)	1.54-3.8	0.24
Jul 2022	9.03 (2.13)	5.14-12.98	0.24	9.4 (1.97)	5.68-13.04	0.21	8.44 (1.67)	5.36-11.63	0.20
Aug 2022	36.46 (8.19)	20.45-51.95	0.22	31.24 (6.96)	18.13-44.69	0.22	30.83 (8.17)	15-46.13	0.27
Sep 2022	2.06 (0.31)	1.48-2.68	0.15	2.22 (0.31)	1.6-2.83	0.14	2.28 (0.3)	1.72-2.92	0.13
Oct 2022	3.86 (0.66)	2.62-5.13	0.17	3.85 (0.62)	2.65-5.01	0.16	3.82 (0.44)	2.98-4.66	0.11
Nov 2022	7.67 (0.93)	5.91-9.62	0.12	7.55 (0.92)	5.57-9.35	0.12	7.25 (0.68)	5.87-8.51	0.09
Dec 2022	12.75 (2.23)	8.56-16.99	0.17	13.43 (1.77)	10.16-16.96	0.13	12.7 (1.64)	9.55-15.92	0.13
Jan 2023	4.65 (0.56)	3.59-5.74	0.12	4.31 (0.48)	3.45-5.24	0.11	4.2 (0.45)	3.31-5.09	0.11
Feb 2023	21.72 (3.01)	16.15-27.37	0.14	20.02 (2.16)	15.62-24.06	0.11	19.35 (1.67)	16.22-22.5	0.09

Table 42. DBSouth - West. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	9.61 (1.32)	7.18-12.28	0.14	12.16 (1.31)	9.58-14.61	0.11	15.54 (1.88)	11.88-18.96	0.12
Apr 2021	18.48 (2.47)	13.62-23.62	0.13	17.6 (2.19)	13.4-21.81	0.12	16.03 (1.83)	12.36-19.5	0.11
May 2021	1.69 (0.27)	1.18-2.21	0.16	1.5 (0.2)	1.13-1.9	0.14	1.74 (0.24)	1.28-2.22	0.14
Jun 2021	1.76 (0.24)	1.26-2.24	0.14	2.21 (0.23)	1.74-2.66	0.10	2.08 (0.31)	1.49-2.71	0.15
Jul 2021	9.4 (0.98)	7.5-11.21	0.10	9.08 (0.68)	7.8-10.4	0.07	9.49 (0.66)	8.2-10.77	0.07
Aug 2021	3.25 (0.43)	2.4-4.05	0.13	3.69 (0.44)	2.91-4.62	0.12	4.22 (0.57)	3.12-5.32	0.13
Sep 2021	1.51 (0.27)	0.99-2.03	0.18	1.99 (0.27)	1.48-2.52	0.14	2.7 (0.38)	1.94-3.41	0.14
Oct 2021	2.78 (0.39)	2.05-3.6	0.14	2.89 (0.42)	2.16-3.73	0.14	2.86 (0.33)	2.23-3.51	0.12
Nov 2021	10.39 (1.51)	7.39-13.24	0.15	10.19 (1.02)	8.34-12.17	0.10	11.07 (0.96)	9.17-12.95	0.09
Dec 2021	2.67 (0.65)	1.46-3.88	0.24	4.01 (0.95)	2.21-5.85	0.24	3.98 (0.81)	2.45-5.58	0.20
Jan 2022	4.22 (0.96)	2.25-6.07	0.23	5.7 (1.36)	2.98-8.2	0.24	5.41 (0.95)	3.66-7.27	0.17
Feb 2022	5.5 (0.82)	3.9-7.15	0.15	5.43 (0.92)	3.68-7.21	0.17	6.03 (0.69)	4.65-7.25	0.11
Mar 2022	5.43 (1.21)	3.25-7.85	0.22	5.24 (0.74)	3.81-6.66	0.14	8.82 (2.04)	4.95-12.62	0.23
Apr 2022	8.17 (1.05)	6.25-10.24	0.13	8.46 (1.07)	6.4-10.55	0.13	8.64 (1.04)	6.6-10.71	0.12
May 2022	13.93 (1.46)	10.94-16.69	0.11	13.37 (1.19)	11.1-15.72	0.09	14 (0.95)	12.12-15.79	0.07
Jun 2022	3.33 (0.97)	1.53-5.19	0.29	2.91 (0.71)	1.59-4.25	0.25	2.63 (0.62)	1.57-3.89	0.24
Jul 2022	9.57 (2.25)	5.44-13.75	0.24	9.95 (2.09)	6.02-13.8	0.21	8.94 (1.77)	5.68-12.32	0.20
Aug 2022	37.82 (8.49)	21.22-53.9	0.22	33.04 (7.36)	19.18-47.27	0.22	32.55 (8.63)	15.84-48.71	0.27
Sep 2022	2.49 (0.38)	1.79-3.24	0.15	2.93 (0.4)	2.11-3.72	0.14	2.99 (0.4)	2.25-3.82	0.13
Oct 2022	4.94 (0.84)	3.35-6.55	0.17	4.83 (0.78)	3.32-6.28	0.16	4.71 (0.54)	3.68-5.76	0.11
Nov 2022	8.62 (1.04)	6.65-10.81	0.12	8.62 (1.05)	6.36-10.67	0.12	8.39 (0.78)	6.79-9.85	0.09
Dec 2022	14.85 (2.59)	9.96-19.79	0.17	15.91 (2.09)	12.03-20.08	0.13	14.85 (1.92)	11.17-18.61	0.13
Jan 2023	5.49 (0.66)	4.23-6.77	0.12	5.2 (0.57)	4.17-6.32	0.11	5.04 (0.54)	3.97-6.11	0.11
Feb 2023	25.29 (3.51)	18.8-31.86	0.14	23.76 (2.56)	18.54-28.55	0.11	22.96 (1.98)	19.24-26.69	0.09



Table 43. DBSouth - West. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	12.24 (1.69)	9.15-15.65	0.14	15.57 (1.68)	12.27-18.7	0.11	20 (2.42)	15.28-24.4	0.12
Apr 2021	24.16 (3.24)	17.81-30.89	0.13	22.99 (2.86)	17.5-28.49	0.12	20.95 (2.39)	16.15-25.48	0.11
May 2021	2.21 (0.35)	1.53-2.88	0.16	1.94 (0.26)	1.47-2.46	0.14	2.27 (0.31)	1.67-2.89	0.14
Jun 2021	2.32 (0.32)	1.65-2.95	0.14	2.88 (0.3)	2.27-3.47	0.10	2.72 (0.4)	1.95-3.54	0.15
Jul 2021	12.29 (1.28)	9.82-14.66	0.10	11.89 (0.89)	10.21-13.61	0.07	12.41 (0.86)	10.72-14.08	0.07
Aug 2021	4.26 (0.56)	3.14-5.3	0.13	4.84 (0.58)	3.81-6.06	0.12	5.53 (0.75)	4.1-6.98	0.13
Sep 2021	1.99 (0.35)	1.3-2.68	0.18	2.61 (0.35)	1.95-3.31	0.14	3.55 (0.51)	2.54-4.47	0.14
Oct 2021	3.64 (0.51)	2.68-4.71	0.14	3.79 (0.54)	2.82-4.89	0.14	3.76 (0.43)	2.93-4.61	0.12
Nov 2021	13.56 (1.97)	9.64-17.27	0.15	13.26 (1.33)	10.86-15.85	0.10	14.44 (1.26)	11.96-16.9	0.09
Dec 2021	3.51 (0.86)	1.92-5.11	0.24	5.26 (1.24)	2.9-7.67	0.24	5.22 (1.07)	3.21-7.31	0.20
Jan 2022	5.5 (1.25)	2.94-7.91	0.23	7.42 (1.76)	3.88-10.67	0.24	7.06 (1.23)	4.77-9.48	0.17
Feb 2022	7.18 (1.07)	5.09-9.32	0.15	7.1 (1.2)	4.81-9.43	0.17	7.89 (0.9)	6.08-9.49	0.11
Mar 2022	6.99 (1.56)	4.19-10.1	0.22	6.77 (0.96)	4.92-8.62	0.14	11.44 (2.64)	6.42-16.38	0.23
Apr 2022	10.47 (1.35)	8.01-13.12	0.13	10.85 (1.37)	8.21-13.53	0.13	11.08 (1.34)	8.46-13.73	0.12
May 2022	18.15 (1.91)	14.26-21.75	0.11	17.43 (1.55)	14.47-20.49	0.09	18.28 (1.24)	15.83-20.61	0.07
Jun 2022	4.35 (1.27)	2-6.79	0.29	3.8 (0.93)	2.08-5.56	0.25	3.44 (0.81)	2.06-5.09	0.24
Jul 2022	12.53 (2.95)	7.13-18	0.24	13.02 (2.73)	7.87-18.06	0.21	11.69 (2.31)	7.42-16.11	0.20
Aug 2022	49.58 (11.13)	27.82-70.65	0.22	43.31 (9.65)	25.14-61.96	0.22	42.67 (11.31)	20.77-63.86	0.27
Sep 2022	3.2 (0.49)	2.31-4.17	0.15	3.76 (0.52)	2.71-4.78	0.14	3.86 (0.51)	2.91-4.94	0.13
Oct 2022	6.39 (1.08)	4.34-8.48	0.17	6.24 (1)	4.29-8.12	0.16	6.11 (0.7)	4.77-7.46	0.11
Nov 2022	11.07 (1.34)	8.53-13.88	0.12	11.08 (1.35)	8.17-13.71	0.12	10.8 (1.01)	8.74-12.68	0.09
Dec 2022	19.43 (3.39)	13.04-25.89	0.17	20.82 (2.74)	15.75-26.28	0.13	19.43 (2.51)	14.62-24.36	0.13
Jan 2023	7.09 (0.85)	5.46-8.74	0.12	6.7 (0.74)	5.36-8.13	0.11	6.47 (0.7)	5.1-7.84	0.11
Feb 2023	33.01 (4.58)	24.54-41.58	0.14	31.02 (3.35)	24.2-37.27	0.11	29.93 (2.58)	25.08-34.79	0.09

Table 44. DBSouth - West. Density (birds Per Square Km) of Herring gull recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.95
Apr 2021	0.02 (0.02)	0-0.07	1.01	0.02 (0.02)	0-0.05	0.96	0.01 (0.01)	0-0.04	0.96
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	1.01	0.02 (0.02)	0-0.06	0.71
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0.04 (0.03)	0-0.11	0.73
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.02 (0.02)	0-0.07	1.03	0.02 (0.02)	0-0.05	1.00	0.01 (0.01)	0-0.04	0.97
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0.03 (0.03)	0-0.1	0.99	0.02 (0.02)	0-0.07	1.03
Aug 2022	0.05 (0.03)	0-0.12	0.71	0.03 (0.02)	0-0.08	0.68	0.05 (0.03)	0-0.11	0.59
Sep 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.95	0.01 (0.01)	0-0.04	1.05
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0.05 (0.03)	0-0.12	0.68	0.03 (0.02)	0-0.08	0.71	0.02 (0.02)	0-0.06	0.70
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.94
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 45. DBSouth - West. Density (birds Per Square Km) of Kittiwake recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	5.02 (0.93)	3.38-6.98	0.18	5.26 (0.97)	3.47-7.31	0.18	5.91 (0.92)	4.19-7.82	0.16
Apr 2021	5.87 (0.97)	4.08-7.94	0.17	6.07 (1.08)	4.23-8.32	0.18	5.24 (0.82)	3.79-6.94	0.16
May 2021	2.96 (0.49)	2.07-3.99	0.17	2.65 (0.41)	1.92-3.48	0.15	2.72 (0.3)	2.16-3.36	0.11
Jun 2021	0.72 (0.27)	0.31-1.31	0.37	0.72 (0.21)	0.36-1.17	0.29	0.74 (0.2)	0.38-1.14	0.27
Jul 2021	0.66 (0.23)	0.28-1.14	0.34	0.64 (0.15)	0.36-0.95	0.24	0.54 (0.12)	0.34-0.78	0.22
Aug 2021	0.09 (0.05)	0-0.21	0.57	0.08 (0.04)	0.02-0.18	0.52	0.11 (0.04)	0.04-0.19	0.39
Sep 2021	0.53 (0.23)	0.14-1.01	0.43	0.48 (0.19)	0.16-0.87	0.40	0.6 (0.15)	0.31-0.92	0.26
Oct 2021	1.28 (0.45)	0.59-2.26	0.35	1.12 (0.32)	0.58-1.77	0.28	0.92 (0.23)	0.51-1.4	0.25
Nov 2021	0.92 (0.2)	0.56-1.31	0.22	0.76 (0.15)	0.49-1.06	0.19	0.89 (0.17)	0.6-1.26	0.19
Dec 2021	0.31 (0.2)	0-0.77	0.64	0.21 (0.15)	0-0.54	0.68	0.22 (0.11)	0.04-0.46	0.49
Jan 2022	1.3 (0.23)	0.88-1.78	0.18	2.16 (0.47)	1.36-3.17	0.22	2.05 (0.37)	1.43-2.86	0.18
Feb 2022	1.11 (0.23)	0.7-1.6	0.21	1.05 (0.18)	0.7-1.42	0.17	1.1 (0.16)	0.82-1.42	0.14
Mar 2022	2.19 (0.6)	1.14-3.47	0.28	5.33 (2.49)	1.89-11.17	0.47	5.88 (1.89)	3.17-10.06	0.32
Apr 2022	8.39 (1.96)	5.09-12.89	0.23	8.27 (1.59)	5.58-11.74	0.19	7.99 (1.21)	5.84-10.42	0.15
May 2022	2.4 (0.63)	1.4-3.77	0.26	2.4 (0.45)	1.61-3.34	0.19	2.17 (0.33)	1.59-2.84	0.15
Jun 2022	1.57 (0.53)	0.62-2.73	0.34	1.44 (0.4)	0.79-2.27	0.28	1.45 (0.39)	0.77-2.31	0.27
Jul 2022	3.75 (0.77)	2.28-5.3	0.21	3.15 (0.57)	2.08-4.34	0.18	2.91 (0.52)	2-3.96	0.18
Aug 2022	23.89 (13.69)	5.27-54.52	0.57	21.2 (10.29)	4.96-44.66	0.49	18.3 (7.39)	5.81-34.29	0.40
Sep 2022	19.08 (15.41)	1.24-52.8	0.81	16.74 (11.05)	1.86-41.44	0.66	12.81 (8.37)	1.58-30.69	0.65
Oct 2022	3.2 (0.54)	2.24-4.34	0.17	3.2 (0.56)	2.16-4.34	0.17	2.71 (0.41)	1.94-3.6	0.15
Nov 2022	4.8 (0.68)	3.49-6.15	0.14	5.74 (0.84)	4.22-7.53	0.15	5.64 (0.64)	4.52-7.02	0.11
Dec 2022	12.82 (3.05)	7.45-19.05	0.24	12.11 (2.18)	8.37-16.38	0.18	12.48 (1.78)	9.33-16.04	0.14
Jan 2023	2.52 (0.46)	1.74-3.5	0.18	2.82 (0.51)	1.86-3.85	0.18	3.52 (0.75)	2.23-5.17	0.21
Feb 2023	6.21 (2.13)	2.74-10.75	0.34	5.26 (1.47)	2.74-8.42	0.28	4.58 (1.1)	2.75-6.94	0.24

Table 46. DBSouth - West. Density (birds Per Square Km) of Large gull species recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	1.00	0.02 (0.02)	0-0.06	0.66
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	0.97	0.01 (0.01)	0-0.04	1.00
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.03 (0.03)	0-0.08	1.00	0.02 (0.02)	0-0.08	1.03	0.01 (0.01)	0-0.04	0.98
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.07	0.96	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	1.01
Sep 2022	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	1.00	0.01 (0.01)	0-0.04	1.03
Oct 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.02)	0-0.07	0.97
Nov 2022	0.02 (0.02)	0-0.07	1.05	0.02 (0.02)	0-0.05	0.99	0.01 (0.01)	0-0.04	0.99
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 47. DBSouth - West. Density (birds Per Square Km) of Lesser black-backed gull recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.02 (0.02)	0-0.09	1.05	0.02 (0.02)	0-0.05	1.00	0.01 (0.01)	0-0.04	0.99
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0.05 (0.05)	0-0.15	0.98	0.04 (0.04)	0-0.11	1.00
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 48. DBSouth - West. Density (birds Per Square Km) of Little auk recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0.05 (0.05)	0-0.14	1.00	0.07 (0.05)	0-0.16	0.71	0.05 (0.04)	0-0.12	0.73
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.05 (0.03)	0-0.12	0.71	0.1 (0.06)	0.02-0.22	0.55	0.11 (0.05)	0.02-0.22	0.45
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 49. DBSouth - West. Density (birds Per Square Km) of Little gull recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.07 (0.07)	0-0.2	1.00	0.05 (0.05)	0-0.14	0.99
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	1.01	0.01 (0.01)	0-0.04	0.96
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 50. DBSouth - West. Density (birds Per Square Km) of Puffin recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.17 (0.05)	0.07-0.29	0.32	0.13 (0.04)	0.07-0.2	0.28	0.12 (0.03)	0.06-0.17	0.23
Apr 2021	0.4 (0.06)	0.28-0.52	0.15	0.36 (0.04)	0.28-0.44	0.11	0.35 (0.05)	0.26-0.44	0.13
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.06 (0.04)	0-0.12	0.59
Aug 2021	0.07 (0.04)	0-0.14	0.51	0.06 (0.03)	0-0.13	0.52	0.05 (0.02)	0.01-0.08	0.44
Sep 2021	0.07 (0.04)	0-0.14	0.52	0.05 (0.03)	0-0.1	0.65	0.06 (0.02)	0.01-0.11	0.40
Oct 2021	0.4 (0.12)	0.17-0.64	0.30	0.45 (0.1)	0.26-0.63	0.22	0.47 (0.1)	0.27-0.64	0.21
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.26 (0.08)	0.12-0.43	0.30	0.18 (0.06)	0.07-0.3	0.34	0.17 (0.05)	0.08-0.25	0.28
Jun 2022	0.05 (0.03)	0-0.1	0.70	0.03 (0.02)	0-0.06	0.71	0.02 (0.02)	0-0.05	0.72
Jul 2022	0.09 (0.04)	0-0.19	0.48	0.21 (0.1)	0.03-0.37	0.45	0.15 (0.07)	0.02-0.27	0.47
Aug 2022	0.17 (0.07)	0.05-0.29	0.41	0.13 (0.05)	0.03-0.23	0.39	0.1 (0.03)	0.02-0.16	0.36
Sep 2022	0.02 (0.02)	0-0.05	0.69	0.02 (0.01)	0-0.03	0.69	0.01 (0.01)	0-0.02	0.76
Oct 2022	0.07 (0.03)	0.02-0.12	0.36	0.16 (0.07)	0.05-0.28	0.43	0.18 (0.06)	0.06-0.3	0.36
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.12 (0.06)	0-0.24	0.47	0.08 (0.04)	0.02-0.15	0.45	0.06 (0.03)	0-0.11	0.46
Jan 2023	0.05 (0.02)	0-0.09	0.47	0.03 (0.02)	0-0.06	0.51	0.04 (0.01)	0.02-0.05	0.24
Feb 2023	0.02 (0.02)	0-0.05	0.69	0.02 (0.01)	0-0.03	0.69	0.02 (0.01)	0-0.05	0.51



Table 51. DBSouth - West. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.17 (0.05)	0.07-0.29	0.32	0.13 (0.04)	0.07-0.2	0.28	0.12 (0.03)	0.06-0.17	0.23
Apr 2021	0.4 (0.06)	0.28-0.52	0.15	0.36 (0.04)	0.28-0.44	0.11	0.35 (0.05)	0.26-0.44	0.13
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.06 (0.04)	0-0.12	0.59
Aug 2021	0.07 (0.04)	0-0.14	0.51	0.06 (0.03)	0-0.13	0.52	0.05 (0.02)	0.01-0.08	0.44
Sep 2021	0.07 (0.04)	0-0.14	0.52	0.05 (0.03)	0-0.1	0.65	0.06 (0.02)	0.01-0.11	0.40
Oct 2021	0.43 (0.13)	0.18-0.68	0.30	0.49 (0.11)	0.28-0.68	0.22	0.5 (0.1)	0.3-0.69	0.21
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.26 (0.08)	0.12-0.43	0.30	0.18 (0.06)	0.07-0.3	0.34	0.17 (0.05)	0.08-0.25	0.28
Jun 2022	0.05 (0.03)	0-0.1	0.70	0.03 (0.02)	0-0.06	0.71	0.02 (0.02)	0-0.05	0.72
Jul 2022	0.09 (0.04)	0-0.19	0.48	0.21 (0.1)	0.03-0.37	0.45	0.15 (0.07)	0.02-0.27	0.47
Aug 2022	0.17 (0.07)	0.05-0.29	0.41	0.13 (0.05)	0.03-0.23	0.39	0.1 (0.03)	0.02-0.16	0.36
Sep 2022	0.02 (0.02)	0-0.05	0.69	0.02 (0.01)	0-0.03	0.69	0.01 (0.01)	0-0.02	0.76
Oct 2022	0.07 (0.03)	0.02-0.12	0.36	0.16 (0.07)	0.05-0.28	0.43	0.18 (0.06)	0.06-0.3	0.36
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.12 (0.06)	0-0.24	0.47	0.08 (0.04)	0.02-0.15	0.45	0.06 (0.03)	0-0.11	0.46
Jan 2023	0.05 (0.02)	0-0.09	0.47	0.03 (0.02)	0-0.06	0.51	0.04 (0.01)	0.02-0.05	0.24
Feb 2023	0.02 (0.02)	0-0.05	0.69	0.02 (0.01)	0-0.03	0.69	0.02 (0.01)	0-0.05	0.51

Table 52. DBSouth - West. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.19 (0.06)	0.08-0.33	0.32	0.15 (0.04)	0.08-0.23	0.28	0.15 (0.03)	0.07-0.2	0.23
Apr 2021	0.47 (0.07)	0.33-0.61	0.15	0.42 (0.05)	0.33-0.52	0.11	0.41 (0.05)	0.31-0.52	0.13
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.07 (0.04)	0-0.14	0.59
Aug 2021	0.07 (0.04)	0-0.14	0.51	0.08 (0.04)	0-0.16	0.52	0.06 (0.03)	0.01-0.1	0.44
Sep 2021	0.07 (0.04)	0-0.14	0.52	0.05 (0.03)	0-0.1	0.65	0.07 (0.03)	0.01-0.13	0.40
Oct 2021	0.5 (0.15)	0.21-0.79	0.30	0.57 (0.12)	0.32-0.79	0.22	0.58 (0.12)	0.34-0.81	0.21
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.31 (0.09)	0.14-0.5	0.30	0.21 (0.07)	0.08-0.35	0.34	0.19 (0.05)	0.1-0.29	0.28
Jun 2022	0.05 (0.03)	0-0.1	0.70	0.03 (0.02)	0-0.06	0.71	0.02 (0.02)	0-0.05	0.72
Jul 2022	0.12 (0.06)	0-0.23	0.48	0.24 (0.11)	0.04-0.43	0.45	0.18 (0.08)	0.03-0.32	0.47
Aug 2022	0.19 (0.08)	0.05-0.33	0.41	0.15 (0.06)	0.04-0.26	0.39	0.11 (0.04)	0.03-0.18	0.36
Sep 2022	0.02 (0.02)	0-0.05	0.69	0.02 (0.01)	0-0.03	0.69	0.01 (0.01)	0-0.02	0.76
Oct 2022	0.07 (0.03)	0.02-0.12	0.36	0.2 (0.08)	0.06-0.33	0.43	0.2 (0.07)	0.07-0.34	0.36
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.14 (0.07)	0-0.29	0.47	0.1 (0.04)	0.02-0.18	0.45	0.07 (0.03)	0-0.13	0.46
Jan 2023	0.05 (0.02)	0-0.09	0.47	0.03 (0.02)	0-0.06	0.51	0.04 (0.01)	0.02-0.05	0.24
Feb 2023	0.02 (0.02)	0-0.05	0.69	0.02 (0.01)	0-0.03	0.69	0.02 (0.01)	0-0.05	0.51

Table 53. DBSouth - West. Density (birds Per Square Km) of Razorbill recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.92 (0.28)	0.43-1.5	0.30	1.02 (0.23)	0.6-1.5	0.23	1.49 (0.26)	1.01-2	0.17
Apr 2021	3.49 (0.79)	2.07-5.14	0.23	3.29 (0.53)	2.32-4.37	0.16	2.78 (0.48)	1.87-3.8	0.17
May 2021	0.63 (0.2)	0.33-1.03	0.31	0.57 (0.17)	0.28-0.94	0.30	0.59 (0.14)	0.33-0.85	0.23
Jun 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	0.94	0.08 (0.05)	0-0.18	0.56
Jul 2021	0.07 (0.05)	0-0.19	0.71	0.05 (0.04)	0-0.13	0.72	0.04 (0.02)	0-0.08	0.68
Aug 2021	0.05 (0.03)	0-0.12	0.66	0.03 (0.02)	0-0.08	0.66	0.15 (0.07)	0.04-0.31	0.47
Sep 2021	0.12 (0.06)	0.02-0.24	0.48	0.12 (0.05)	0.03-0.21	0.41	0.13 (0.04)	0.06-0.21	0.30
Oct 2021	0.45 (0.16)	0.19-0.78	0.36	0.44 (0.11)	0.23-0.67	0.26	0.39 (0.1)	0.21-0.63	0.26
Nov 2021	0.33 (0.12)	0.14-0.58	0.35	0.3 (0.09)	0.15-0.49	0.29	0.36 (0.1)	0.18-0.57	0.27
Dec 2021	1.35 (0.43)	0.6-2.24	0.32	1.16 (0.3)	0.64-1.79	0.26	0.93 (0.25)	0.47-1.44	0.27
Jan 2022	1.07 (0.31)	0.5-1.71	0.29	1.42 (0.46)	0.64-2.4	0.32	1.49 (0.36)	0.88-2.24	0.24
Feb 2022	0.49 (0.16)	0.21-0.81	0.33	0.43 (0.12)	0.22-0.7	0.28	0.35 (0.09)	0.19-0.53	0.24
Mar 2022	0.3 (0.12)	0.09-0.54	0.38	2.7 (1.77)	0.45-6.53	0.66	2.41 (1.31)	0.67-5.43	0.55
Apr 2022	1.71 (0.55)	0.76-2.84	0.32	1.4 (0.45)	0.65-2.32	0.32	1.23 (0.36)	0.52-1.92	0.29
May 2022	0.5 (0.13)	0.24-0.76	0.27	0.51 (0.11)	0.3-0.74	0.23	0.5 (0.09)	0.34-0.67	0.17
Jun 2022	0.21 (0.09)	0.05-0.38	0.41	0.21 (0.08)	0.08-0.37	0.36	0.19 (0.07)	0.06-0.33	0.38
Jul 2022	0.99 (0.41)	0.23-1.78	0.42	0.78 (0.29)	0.28-1.38	0.37	0.72 (0.23)	0.3-1.17	0.31
Aug 2022	5.47 (2.67)	1.51-11.63	0.49	4.88 (1.94)	1.75-9.14	0.40	5.47 (2.18)	1.79-10.36	0.40
Sep 2022	14.16 (10.69)	0.84-38.93	0.76	11.73 (7.22)	1.34-27.59	0.62	9.64 (6.38)	1.41-24.42	0.66
Oct 2022	1.53 (0.59)	0.55-2.84	0.39	1.51 (0.46)	0.65-2.52	0.31	1.55 (0.34)	0.91-2.22	0.22
Nov 2022	2.73 (0.49)	1.88-3.8	0.18	2.34 (0.35)	1.7-3.05	0.15	2.22 (0.31)	1.69-2.83	0.14
Dec 2022	10.9 (1.87)	7.62-14.68	0.17	11.39 (1.7)	8.24-14.87	0.15	10.78 (1.71)	7.6-14.01	0.16
Jan 2023	9.93 (1.76)	6.62-13.66	0.18	9.06 (1.28)	6.64-11.59	0.14	9.02 (1.2)	6.67-11.33	0.13
Feb 2023	7.86 (1.31)	5.43-10.58	0.17	7.73 (1.05)	5.87-10.03	0.14	7.73 (0.88)	6-9.45	0.11

Table 54. DBSouth - West. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	1.4 (0.42)	0.66-2.28	0.30	1.62 (0.37)	0.96-2.39	0.23	2.33 (0.41)	1.58-3.13	0.17
Apr 2021	5.94 (1.35)	3.53-8.75	0.23	5.68 (0.91)	4-7.56	0.16	4.89 (0.85)	3.29-6.69	0.17
May 2021	0.75 (0.23)	0.39-1.23	0.31	0.72 (0.21)	0.35-1.19	0.30	0.71 (0.16)	0.4-1.03	0.23
Jun 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	0.94	0.08 (0.05)	0-0.18	0.56
Jul 2021	0.07 (0.05)	0-0.19	0.71	0.05 (0.04)	0-0.13	0.72	0.04 (0.02)	0-0.08	0.68
Aug 2021	0.05 (0.03)	0-0.12	0.66	0.03 (0.02)	0-0.08	0.66	0.19 (0.09)	0.04-0.38	0.47
Sep 2021	0.14 (0.07)	0.03-0.29	0.48	0.15 (0.06)	0.04-0.27	0.41	0.17 (0.05)	0.08-0.26	0.30
Oct 2021	0.76 (0.27)	0.32-1.32	0.36	0.71 (0.19)	0.37-1.09	0.26	0.67 (0.18)	0.36-1.07	0.26
Nov 2021	0.47 (0.16)	0.2-0.83	0.35	0.44 (0.13)	0.22-0.71	0.29	0.51 (0.14)	0.26-0.81	0.27
Dec 2021	2.84 (0.9)	1.27-4.72	0.32	2.65 (0.68)	1.46-4.08	0.26	2.26 (0.62)	1.15-3.53	0.27
Jan 2022	2.61 (0.76)	1.22-4.17	0.29	3.24 (1.05)	1.45-5.47	0.32	3.31 (0.8)	1.96-4.98	0.24
Feb 2022	1 (0.32)	0.43-1.67	0.33	0.84 (0.24)	0.44-1.38	0.28	0.68 (0.16)	0.36-1.02	0.24
Mar 2022	1.07 (0.41)	0.33-1.9	0.38	7.24 (4.74)	1.21-17.52	0.66	5.99 (3.27)	1.67-13.48	0.55
Apr 2022	1.99 (0.64)	0.88-3.32	0.32	1.61 (0.52)	0.74-2.67	0.32	1.42 (0.42)	0.6-2.22	0.29
May 2022	0.52 (0.14)	0.25-0.8	0.27	0.53 (0.12)	0.31-0.76	0.23	0.52 (0.09)	0.34-0.69	0.17
Jun 2022	0.21 (0.09)	0.05-0.38	0.41	0.21 (0.08)	0.08-0.37	0.36	0.19 (0.07)	0.06-0.33	0.38
Jul 2022	1.03 (0.43)	0.25-1.87	0.42	0.83 (0.31)	0.29-1.47	0.37	0.76 (0.24)	0.31-1.23	0.31
Aug 2022	5.68 (2.77)	1.57-12.09	0.49	5.16 (2.05)	1.85-9.66	0.40	5.77 (2.3)	1.89-10.93	0.40
Sep 2022	17.05 (12.88)	1.01-46.89	0.76	15.43 (9.49)	1.76-36.27	0.62	12.58 (8.33)	1.85-31.86	0.66
Oct 2022	1.93 (0.75)	0.69-3.59	0.39	1.89 (0.58)	0.81-3.14	0.31	1.91 (0.41)	1.12-2.73	0.22
Nov 2022	3.06 (0.55)	2.1-4.26	0.18	2.69 (0.4)	1.95-3.5	0.15	2.57 (0.35)	1.96-3.28	0.14
Dec 2022	12.68 (2.17)	8.86-17.09	0.17	13.48 (2.02)	9.75-17.6	0.15	12.6 (1.99)	8.88-16.37	0.16
Jan 2023	11.69 (2.07)	7.8-16.08	0.18	10.95 (1.55)	8.02-14.01	0.14	10.81 (1.43)	7.99-13.57	0.13
Feb 2023	9.16 (1.53)	6.33-12.33	0.17	9.18 (1.25)	6.97-11.92	0.14	9.17 (1.05)	7.11-11.2	0.11

Table 55. DBSouth - West. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	1.69 (0.51)	0.8-2.76	0.30	1.95 (0.45)	1.15-2.88	0.23	2.78 (0.49)	1.89-3.73	0.17
Apr 2021	7.19 (1.64)	4.27-10.59	0.23	6.88 (1.11)	4.85-9.15	0.16	5.91 (1.02)	3.98-8.09	0.17
May 2021	0.87 (0.27)	0.45-1.42	0.31	0.85 (0.25)	0.41-1.4	0.30	0.84 (0.19)	0.47-1.21	0.23
Jun 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	0.94	0.1 (0.05)	0-0.21	0.56
Jul 2021	0.09 (0.07)	0-0.25	0.71	0.07 (0.05)	0-0.17	0.72	0.05 (0.03)	0-0.11	0.68
Aug 2021	0.05 (0.03)	0-0.12	0.66	0.03 (0.02)	0-0.08	0.66	0.22 (0.1)	0.05-0.45	0.47
Sep 2021	0.17 (0.08)	0.03-0.34	0.48	0.18 (0.07)	0.05-0.34	0.41	0.21 (0.06)	0.09-0.32	0.30
Oct 2021	0.93 (0.33)	0.39-1.61	0.36	0.86 (0.23)	0.45-1.31	0.26	0.81 (0.21)	0.44-1.3	0.26
Nov 2021	0.58 (0.2)	0.24-1.02	0.35	0.51 (0.15)	0.26-0.83	0.29	0.61 (0.17)	0.31-0.96	0.27
Dec 2021	3.44 (1.09)	1.54-5.72	0.32	3.21 (0.82)	1.76-4.93	0.26	2.74 (0.75)	1.39-4.28	0.27
Jan 2022	3.15 (0.92)	1.47-5.05	0.29	3.92 (1.27)	1.76-6.63	0.32	4.01 (0.97)	2.37-6.03	0.24
Feb 2022	1.18 (0.39)	0.51-1.98	0.33	1 (0.28)	0.52-1.63	0.28	0.81 (0.2)	0.43-1.21	0.24
Mar 2022	1.26 (0.48)	0.39-2.22	0.38	8.73 (5.72)	1.46-21.12	0.66	7.17 (3.91)	2-16.14	0.55
Apr 2022	2.32 (0.74)	1.03-3.87	0.32	1.9 (0.61)	0.88-3.15	0.32	1.67 (0.49)	0.71-2.61	0.29
May 2022	0.64 (0.17)	0.31-0.98	0.27	0.64 (0.14)	0.37-0.93	0.23	0.62 (0.11)	0.42-0.83	0.17
Jun 2022	0.26 (0.11)	0.06-0.46	0.41	0.26 (0.09)	0.1-0.46	0.36	0.23 (0.09)	0.07-0.4	0.38
Jul 2022	1.24 (0.52)	0.3-2.25	0.42	1.01 (0.37)	0.36-1.78	0.37	0.93 (0.29)	0.38-1.5	0.31
Aug 2022	6.88 (3.36)	1.9-14.64	0.49	6.24 (2.48)	2.24-11.69	0.40	6.99 (2.78)	2.29-13.23	0.40
Sep 2022	20.64 (15.59)	1.22-56.75	0.76	18.65 (11.48)	2.13-43.84	0.62	15.21 (10.07)	2.23-38.52	0.66
Oct 2022	2.1 (0.82)	0.75-3.9	0.39	2.11 (0.65)	0.91-3.52	0.31	2.15 (0.47)	1.26-3.07	0.22
Nov 2022	3.63 (0.66)	2.5-5.06	0.18	3.18 (0.47)	2.31-4.14	0.15	3.04 (0.42)	2.31-3.87	0.14
Dec 2022	15.33 (2.63)	10.72-20.66	0.17	16.31 (2.44)	11.79-21.28	0.15	15.25 (2.41)	10.75-19.8	0.16
Jan 2023	14.15 (2.51)	9.43-19.46	0.18	13.24 (1.88)	9.7-16.94	0.14	13.08 (1.73)	9.67-16.42	0.13
Feb 2023	11.03 (1.84)	7.62-14.83	0.17	11.07 (1.51)	8.41-14.37	0.14	11.05 (1.26)	8.58-13.51	0.11

Table 56. DBSouth - West. Density (birds Per Square Km) of Red-throated diver recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.97
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 57. DBSouth - West. Density (birds Per Square Km) of Skua species recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0.05 (0.05)	0-0.14	1.01	0.03 (0.03)	0-0.1	0.95	0.02 (0.02)	0-0.07	0.98
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.02 (0.02)	0-0.07	1.00	0.07 (0.04)	0-0.15	0.59	0.05 (0.03)	0-0.11	0.58
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 58. DBSouth - West. Density (birds Per Square Km) of Small gull species recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	1.02	0.04 (0.03)	0-0.1	0.72
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.1 (0.05)	0.02-0.22	0.51	0.08 (0.04)	0.02-0.15	0.43	0.06 (0.03)	0.01-0.12	0.44
Sep 2022	0.02 (0.02)	0-0.07	1.00	0.07 (0.05)	0-0.18	0.76	0.05 (0.04)	0-0.13	0.77
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0.02 (0.02)	0-0.07	1.00	0.07 (0.04)	0-0.15	0.59	0.07 (0.04)	0.01-0.16	0.54
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0.05 (0.03)	0-0.12	0.68	0.03 (0.02)	0-0.08	0.70	0.02 (0.02)	0-0.06	0.71



Table 59. DBSouth - West. Density (birds Per Square Km) of Tern species recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.07	0.98	0.03 (0.02)	0-0.08	0.71	0.02 (0.02)	0-0.06	0.69
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 60. DBS - East & West. Density (birds Per Square Km) of Arctic skua recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.92
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0.01 (0.01)	0-0.04	0.99	0.01 (0.01)	0-0.02	1.02	0.01 (0.01)	0-0.02	1.00
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.01 (0.01)	0-0.04	1.00	0.01 (0.01)	0-0.02	0.98	0.01 (0.01)	0-0.02	0.96
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 61. DBS - East & West. Density (birds Per Square Km) of Arctic tern recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0.02 (0.02)	0-0.07	0.84	0.02 (0.01)	0-0.03	0.66	0.02 (0.01)	0-0.04	0.49
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.06 (0.04)	0-0.13	0.61	0.07 (0.03)	0.02-0.13	0.40	0.07 (0.02)	0.03-0.11	0.29
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.04 (0.03)	0-0.09	0.72	0.02 (0.01)	0-0.07	0.60	0.02 (0.01)	0-0.05	0.60
Aug 2022	0.17 (0.06)	0.06-0.3	0.36	0.17 (0.04)	0.07-0.27	0.21	0.2 (0.04)	0.09-0.32	0.21
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 62. DBS - East & West. Density (birds Per Square Km) of Black-backed gull species recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0.02 (0.02)	0-0.06	0.70	0.02 (0.01)	0-0.05	0.70	0.01 (0.01)	0-0.04	0.70
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.01 (0.01)	0-0.04	0.98	0.01 (0.01)	0-0.03	0.96	0.01 (0.01)	0-0.02	0.95
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 63. DBS - East & West. Density (birds Per Square Km) of Commic tern recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0.2 (0.15)	0-0.54	0.76	0.15 (0.11)	0-0.43	0.74	0.13 (0.07)	0.01-0.26	0.54
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.11 (0.07)	0.01-0.25	0.62	0.11 (0.05)	0.02-0.24	0.49	0.1 (0.03)	0.02-0.19	0.32
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.05 (0.03)	0-0.11	0.53	0.07 (0.03)	0.02-0.14	0.40	0.05 (0.02)	0.02-0.1	0.32
Aug 2022	0.52 (0.24)	0.16-1.05	0.46	0.41 (0.16)	0.09-0.84	0.39	0.65 (0.15)	0.26-1.04	0.22
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 64. DBS - East & West. Density (birds Per Square Km) of Common gull recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0.01 (0.01)	0-0.04	0.98	0.01 (0.01)	0-0.02	1.00	0.01 (0.01)	0-0.02	0.94
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.02 (0.03)	0-0.08	1.06	0.03 (0.02)	0-0.09	0.60	0.03 (0.01)	0-0.06	0.59
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.2 (0.08)	0.06-0.38	0.40	0.16 (0.04)	0.07-0.29	0.26	0.14 (0.04)	0.05-0.24	0.25
Sep 2022	0.06 (0.06)	0-0.19	0.91	0.04 (0.03)	0-0.08	0.72	0.04 (0.02)	0-0.08	0.62
Oct 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	0.97	0.01 (0.01)	0-0.02	1.01
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0.01 (0.01)	0-0.04	0.95	0.02 (0.01)	0-0.04	0.72	0.01 (0.01)	0-0.03	0.70
Feb 2023	0.01 (0.01)	0-0.04	0.99	0.01 (0.01)	0-0.02	0.95	0.01 (0.01)	0-0.02	0.97

Table 65. DBS - East & West. Density (birds Per Square Km) of Common scoter recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0.02 (0.02)	0-0.09	1.02	0.02 (0.02)	0-0.05	1	0.01 (0.01)	0-0.04	0.97
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 66. DBS - East & West. Density (birds Per Square Km) of Common tern recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0.01 (0.01)	0-0.05	1.07	0.01 (0.01)	0-0.02	0.95	0.01 (0.01)	0-0.02	1.01
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.01 (0.01)	0-0.04	1.00	0.01 (0.01)	0-0.02	0.99	0.01 (0.01)	0-0.02	0.97
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.01 (0.01)	0-0.04	0.99	0.02 (0.01)	0-0.04	0.73	0.01 (0.01)	0-0.03	0.71
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



Table 67. DBS - East & West. Density (birds Per Square Km) of Fulmar recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.1 (0.04)	0.02-0.18	0.41	0.08 (0.02)	0.03-0.13	0.32	0.06 (0.01)	0.02-0.09	0.27
Apr 2021	0.24 (0.19)	0-0.64	0.79	0.18 (0.12)	0-0.47	0.67	0.17 (0.07)	0.02-0.33	0.45
May 2021	0.08 (0.03)	0.04-0.14	0.38	0.1 (0.02)	0.04-0.16	0.24	0.1 (0.02)	0.05-0.14	0.19
Jun 2021	0.06 (0.02)	0.01-0.11	0.41	0.11 (0.03)	0.02-0.2	0.31	0.1 (0.03)	0.04-0.17	0.25
Jul 2021	0.02 (0.02)	0-0.06	0.64	0.03 (0.01)	0-0.07	0.43	0.03 (0.01)	0.01-0.05	0.34
Aug 2021	0.12 (0.04)	0.05-0.2	0.32	0.13 (0.03)	0.05-0.22	0.24	0.18 (0.03)	0.09-0.27	0.20
Sep 2021	0.25 (0.06)	0.13-0.37	0.24	0.3 (0.06)	0.17-0.46	0.18	0.3 (0.05)	0.18-0.42	0.16
Oct 2021	0.1 (0.04)	0.04-0.17	0.37	0.07 (0.02)	0.01-0.13	0.34	0.05 (0.02)	0.01-0.09	0.32
Nov 2021	0.23 (0.05)	0.14-0.34	0.23	0.3 (0.07)	0.14-0.49	0.23	0.35 (0.05)	0.2-0.5	0.15
Dec 2021	0.01 (0.01)	0-0.04	0.90	0.02 (0.02)	0-0.07	0.65	0.02 (0.01)	0-0.04	0.53
Jan 2022	0.13 (0.04)	0.05-0.21	0.33	0.12 (0.03)	0.04-0.21	0.26	0.09 (0.02)	0.03-0.15	0.26
Feb 2022	0.12 (0.03)	0.06-0.19	0.29	0.11 (0.03)	0.04-0.19	0.24	0.11 (0.02)	0.05-0.16	0.19
Mar 2022	0.01 (0.01)	0-0.04	0.89	0.02 (0.01)	0-0.03	0.59	0.01 (0.01)	0-0.02	0.49
Apr 2022	0.05 (0.03)	0-0.11	0.55	0.03 (0.02)	0-0.07	0.50	0.05 (0.02)	0.02-0.09	0.35
May 2022	0.08 (0.03)	0.04-0.14	0.34	0.07 (0.02)	0.02-0.12	0.24	0.11 (0.02)	0.06-0.16	0.16
Jun 2022	0.01 (0.01)	0-0.04	0.89	0.03 (0.02)	0-0.08	0.50	0.04 (0.01)	0.01-0.07	0.34
Jul 2022	0.09 (0.04)	0.04-0.18	0.38	0.09 (0.03)	0.02-0.17	0.31	0.07 (0.02)	0.02-0.11	0.25
Aug 2022	0.05 (0.02)	0-0.1	0.51	0.03 (0.02)	0-0.09	0.51	0.04 (0.01)	0-0.08	0.37
Sep 2022	0.06 (0.02)	0.01-0.11	0.40	0.07 (0.02)	0.02-0.12	0.28	0.09 (0.02)	0.05-0.14	0.17
Oct 2022	0.33 (0.07)	0.2-0.47	0.21	0.56 (0.12)	0.29-0.87	0.22	0.64 (0.1)	0.44-0.88	0.16
Nov 2022	0.02 (0.02)	0-0.06	0.64	0.02 (0.01)	0-0.05	0.49	0.04 (0.01)	0.01-0.07	0.31
Dec 2022	0.07 (0.03)	0.01-0.13	0.43	0.08 (0.02)	0.02-0.14	0.29	0.17 (0.05)	0.06-0.29	0.31
Jan 2023	0.32 (0.15)	0.11-0.66	0.47	0.28 (0.1)	0.1-0.55	0.37	0.25 (0.07)	0.11-0.45	0.30
Feb 2023	0.67 (0.14)	0.42-0.97	0.21	0.67 (0.1)	0.41-0.93	0.15	0.63 (0.07)	0.45-0.82	0.11

Table 68. DBS - East & West. Density (birds Per Square Km) of Gannet recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.97 (0.18)	0.64-1.33	0.18	0.79 (0.13)	0.5-1.11	0.17	0.71 (0.1)	0.49-0.95	0.14
Apr 2021	0.97 (0.15)	0.69-1.26	0.15	0.92 (0.11)	0.65-1.21	0.12	0.78 (0.08)	0.56-1.01	0.10
May 2021	0.5 (0.08)	0.36-0.66	0.16	0.44 (0.06)	0.28-0.62	0.14	0.55 (0.09)	0.32-0.79	0.17
Jun 2021	0.07 (0.02)	0.04-0.11	0.27	0.11 (0.03)	0.04-0.18	0.27	0.11 (0.03)	0.04-0.18	0.25
Jul 2021	0.12 (0.05)	0.04-0.2	0.38	0.12 (0.04)	0.03-0.21	0.32	0.1 (0.03)	0.04-0.19	0.29
Aug 2021	0.43 (0.06)	0.3-0.54	0.15	0.41 (0.04)	0.3-0.53	0.10	0.35 (0.04)	0.26-0.45	0.11
Sep 2021	0.55 (0.06)	0.43-0.67	0.11	0.51 (0.05)	0.37-0.65	0.10	0.54 (0.05)	0.4-0.68	0.09
Oct 2021	0.87 (0.11)	0.65-1.07	0.12	0.8 (0.1)	0.54-1.06	0.12	0.78 (0.08)	0.57-1.02	0.10
Nov 2021	0.4 (0.1)	0.19-0.56	0.25	0.36 (0.06)	0.21-0.53	0.17	0.34 (0.06)	0.18-0.51	0.19
Dec 2021	0.01 (0.01)	0-0.04	0.82	0.01 (0.01)	0-0.02	0.85	0.01 (0.01)	0-0.02	0.92
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.92
Mar 2022	0.86 (0.21)	0.44-1.27	0.24	0.9 (0.24)	0.37-1.48	0.27	1.36 (0.48)	0.49-2.57	0.35
Apr 2022	1.66 (0.25)	1.16-2.13	0.15	1.67 (0.22)	1.08-2.26	0.13	1.72 (0.19)	1.23-2.24	0.11
May 2022	0.23 (0.07)	0.1-0.37	0.31	0.44 (0.08)	0.25-0.64	0.18	0.48 (0.08)	0.28-0.7	0.17
Jun 2022	0.12 (0.03)	0.06-0.18	0.24	0.12 (0.02)	0.07-0.17	0.15	0.13 (0.02)	0.07-0.19	0.17
Jul 2022	0.47 (0.1)	0.28-0.66	0.21	0.49 (0.07)	0.32-0.67	0.13	0.47 (0.06)	0.32-0.64	0.13
Aug 2022	0.54 (0.1)	0.35-0.73	0.18	0.48 (0.07)	0.3-0.67	0.14	0.41 (0.06)	0.25-0.6	0.15
Sep 2022	0.47 (0.15)	0.2-0.76	0.32	0.51 (0.14)	0.25-0.8	0.27	0.56 (0.15)	0.27-0.9	0.27
Oct 2022	2.25 (0.29)	1.69-2.81	0.13	2.26 (0.28)	1.59-3.06	0.12	1.95 (0.22)	1.41-2.55	0.11
Nov 2022	1.23 (0.19)	0.87-1.62	0.16	1.09 (0.16)	0.68-1.56	0.15	0.89 (0.12)	0.58-1.24	0.13
Dec 2022	0.3 (0.08)	0.15-0.46	0.28	0.25 (0.06)	0.1-0.45	0.25	0.3 (0.07)	0.13-0.49	0.23
Jan 2023	0 (0)	0-0		0 (0)	0-0		0.01 (0)	0-0.01	0.79
Feb 2023	0.25 (0.14)	0.05-0.56	0.55	0.19 (0.1)	0.03-0.43	0.53	0.14 (0.07)	0.03-0.33	0.51

Table 69. DBS - East & West. Density (birds Per Square Km) of Great black-backed gull recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.68
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0.03 (0.03)	0-0.1	1.01	0.02 (0.02)	0-0.07	1.01
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.98
Nov 2021	0.01 (0.01)	0-0.04	1.07	0.03 (0.02)	0-0.07	0.58	0.03 (0.01)	0.01-0.07	0.45
Dec 2021	0.06 (0.05)	0-0.17	0.82	0.05 (0.03)	0-0.14	0.70	0.04 (0.03)	0-0.12	0.60
Jan 2022	0.1 (0.04)	0.02-0.18	0.39	0.12 (0.04)	0.03-0.24	0.31	0.18 (0.05)	0.07-0.32	0.26
Feb 2022	0.04 (0.02)	0-0.08	0.56	0.04 (0.02)	0-0.1	0.44	0.06 (0.02)	0.02-0.11	0.30
Mar 2022	0.12 (0.05)	0.04-0.23	0.41	0.12 (0.04)	0.05-0.2	0.33	0.16 (0.04)	0.06-0.28	0.28
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.05 (0.03)	0-0.11	0.57	0.03 (0.02)	0-0.09	0.65	0.04 (0.02)	0-0.1	0.52
Sep 2022	0.05 (0.03)	0-0.12	0.66	0.12 (0.07)	0.01-0.31	0.64	0.09 (0.05)	0.01-0.21	0.62
Oct 2022	0.01 (0.01)	0-0.04	1.02	0.06 (0.04)	0-0.16	0.73	0.04 (0.03)	0-0.14	0.77
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.01)	0-0.06	0.62
Dec 2022	0.04 (0.03)	0-0.09	0.70	0.05 (0.03)	0-0.13	0.53	0.09 (0.03)	0.02-0.18	0.33
Jan 2023	0.21 (0.09)	0.07-0.42	0.43	0.15 (0.06)	0.04-0.32	0.39	0.15 (0.05)	0.04-0.29	0.35
Feb 2023	0.08 (0.04)	0.01-0.18	0.52	0.12 (0.06)	0.02-0.28	0.45	0.1 (0.04)	0.01-0.24	0.44

Table 70. DBS - East & West. Density (birds Per Square Km) of Great northern diver recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0.01 (0.01)	0-0.04	1	0.01 (0.01)	0-0.02	0.98	0.01 (0.01)	0-0.02	0.95
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.95
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 71. DBS - East & West. Density (birds Per Square Km) of Great skua recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0.01 (0.01)	0-0.02	1.00	0.01 (0.01)	0-0.02	1.03
Sep 2021	0.01 (0.01)	0-0.04	0.99	0.01 (0.01)	0-0.02	0.97	0.01 (0.01)	0-0.02	1.01
Oct 2021	0.01 (0.01)	0-0.04	0.99	0.01 (0.01)	0-0.02	0.99	0.01 (0.01)	0-0.02	1.02
Nov 2021	0.01 (0.01)	0-0.04	0.92	0.01 (0.01)	0-0.03	0.89	0.01 (0.01)	0-0.04	0.68
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.97
Sep 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	1.00	0.01 (0.01)	0-0.02	1.02
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0.01 (0.01)	0-0.04	0.99	0.01 (0.01)	0-0.02	1.00	0.01 (0.01)	0-0.04	0.69
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 72. DBS - East & West. Density (birds Per Square Km) of Guillemot recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	8.52 (0.83)	6.89-10.03	0.10	8.8 (0.71)	6.9-10.68	0.08	9.63 (0.74)	7.59-11.54	0.08
Apr 2021	7.64 (0.83)	6-9.26	0.11	7.78 (0.76)	5.78-9.9	0.10	8.43 (1.11)	5.82-11.58	0.13
May 2021	0.88 (0.12)	0.64-1.12	0.14	0.78 (0.09)	0.56-1.03	0.12	0.96 (0.11)	0.69-1.23	0.11
Jun 2021	0.97 (0.12)	0.74-1.2	0.12	1.22 (0.11)	0.92-1.52	0.09	1.16 (0.15)	0.82-1.55	0.13
Jul 2021	7.51 (0.57)	6.47-8.6	0.08	7.63 (0.45)	6.44-8.93	0.06	8.13 (0.46)	6.84-9.51	0.06
Aug 2021	2.72 (0.31)	2.13-3.34	0.11	2.68 (0.27)	1.99-3.47	0.10	3.22 (0.35)	2.3-4.26	0.11
Sep 2021	1.68 (0.2)	1.28-2.08	0.12	2.13 (0.21)	1.6-2.67	0.10	2.84 (0.27)	2.15-3.58	0.10
Oct 2021	1.3 (0.14)	1.02-1.58	0.11	1.55 (0.15)	1.16-1.97	0.10	1.68 (0.24)	1.16-2.37	0.15
Nov 2021	11.02 (0.88)	9.62-13.01	0.08	10.86 (0.62)	9.24-12.44	0.06	11.12 (0.49)	9.78-12.5	0.04
Dec 2021	1.49 (0.23)	1.08-1.95	0.15	1.63 (0.24)	1.01-2.28	0.15	1.67 (0.19)	1.19-2.18	0.11
Jan 2022	1.24 (0.21)	0.82-1.66	0.17	1.68 (0.3)	0.96-2.37	0.18	1.7 (0.22)	1.18-2.26	0.13
Feb 2022	3.05 (0.31)	2.46-3.69	0.10	2.98 (0.3)	2.16-3.77	0.10	3.08 (0.23)	2.45-3.7	0.07
Mar 2022	3.33 (0.69)	2.08-4.75	0.21	3.31 (0.53)	2.12-4.7	0.16	3.99 (0.63)	2.42-5.67	0.16
Apr 2022	5.05 (0.51)	4.12-6.07	0.10	4.98 (0.52)	3.7-6.3	0.10	5.17 (0.49)	3.97-6.39	0.09
May 2022	9.83 (0.81)	8.19-11.32	0.08	9.71 (0.63)	8.05-11.42	0.07	10.24 (0.51)	8.91-11.53	0.05
Jun 2022	1.83 (0.48)	0.96-2.72	0.26	1.67 (0.35)	0.93-2.42	0.21	1.61 (0.31)	0.99-2.32	0.19
Jul 2022	8.02 (1.23)	5.66-10.37	0.15	7.97 (1.1)	5.26-10.67	0.14	7.9 (0.98)	5.49-10.55	0.12
Aug 2022	28.49 (5.28)	18.47-38.19	0.19	24.94 (4.14)	13.94-36	0.17	24.68 (4.56)	13.44-36.76	0.18
Sep 2022	1.63 (0.19)	1.28-2.01	0.12	1.71 (0.18)	1.23-2.16	0.10	1.82 (0.18)	1.38-2.3	0.10
Oct 2022	4.96 (0.53)	3.95-6.02	0.11	5.09 (0.44)	3.9-6.33	0.09	5.13 (0.35)	4.22-6.1	0.07
Nov 2022	11.41 (1.13)	9.31-13.84	0.10	10.85 (0.89)	8.47-13.4	0.08	10.11 (0.67)	8.4-11.9	0.07
Dec 2022	10.77 (1.3)	8.22-13.14	0.12	10.8 (0.98)	8.39-13.5	0.09	10.72 (0.89)	8.57-13.01	0.08
Jan 2023	4.93 (0.48)	4.11-5.93	0.10	4.82 (0.39)	3.83-5.92	0.08	4.98 (0.37)	4.01-6	0.07
Feb 2023	14.26 (1.6)	11.14-17.36	0.11	13.64 (1.18)	10.53-16.55	0.09	13.64 (0.99)	11.13-16.26	0.07

Table 73. DBS - East & West. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	13.69 (1.34)	11.14-16.22	0.10	14.1 (1.15)	11.06-17.11	0.08	15.26 (1.18)	12.04-18.29	0.08
Apr 2021	13 (1.42)	10.2-15.74	0.11	13.22 (1.29)	9.83-16.8	0.10	14.25 (1.89)	9.89-19.46	0.13
May 2021	1.06 (0.14)	0.76-1.32	0.13	0.95 (0.11)	0.68-1.25	0.12	1.16 (0.13)	0.84-1.5	0.11
Jun 2021	1.11 (0.14)	0.84-1.36	0.12	1.31 (0.12)	0.99-1.64	0.09	1.27 (0.16)	0.89-1.69	0.13
Jul 2021	7.81 (0.59)	6.73-8.94	0.08	7.92 (0.47)	6.69-9.27	0.06	8.45 (0.48)	7.11-9.89	0.06
Aug 2021	3.45 (0.4)	2.7-4.23	0.11	3.56 (0.36)	2.63-4.63	0.10	4.4 (0.48)	3.13-5.83	0.11
Sep 2021	2.09 (0.25)	1.59-2.59	0.12	2.65 (0.27)	2-3.33	0.10	3.51 (0.34)	2.65-4.43	0.10
Oct 2021	2.11 (0.23)	1.68-2.6	0.11	2.47 (0.24)	1.86-3.15	0.10	2.71 (0.4)	1.9-3.81	0.15
Nov 2021	15.79 (1.26)	13.79-18.65	0.08	15.91 (0.91)	13.55-18.22	0.06	16.28 (0.73)	14.31-18.29	0.04
Dec 2021	3.14 (0.48)	2.27-4.11	0.15	3.61 (0.54)	2.23-5.07	0.15	3.76 (0.44)	2.64-4.93	0.12
Jan 2022	2.84 (0.49)	1.89-3.81	0.17	3.72 (0.67)	2.11-5.26	0.18	3.65 (0.48)	2.52-4.85	0.13
Feb 2022	6.68 (0.67)	5.39-8.08	0.10	6.47 (0.65)	4.7-8.15	0.10	6.58 (0.49)	5.24-7.89	0.07
Mar 2022	8.72 (1.81)	5.43-12.42	0.21	8.33 (1.35)	5.36-11.79	0.16	10.17 (1.59)	6.19-14.46	0.16
Apr 2022	5.89 (0.59)	4.81-7.09	0.10	5.84 (0.61)	4.34-7.4	0.10	6.02 (0.57)	4.61-7.43	0.09
May 2022	10.24 (0.84)	8.51-11.77	0.08	10.14 (0.66)	8.41-11.93	0.07	10.68 (0.53)	9.29-12.04	0.05
Jun 2022	1.88 (0.49)	0.99-2.79	0.26	1.73 (0.37)	0.96-2.5	0.21	1.65 (0.32)	1.02-2.39	0.19
Jul 2022	8.56 (1.31)	6.04-11.06	0.15	8.55 (1.18)	5.65-11.44	0.14	8.46 (1.05)	5.89-11.31	0.12
Aug 2022	29.85 (5.55)	19.41-40.15	0.19	26.35 (4.38)	14.73-38.03	0.17	26.09 (4.82)	14.21-38.86	0.18
Sep 2022	2.11 (0.23)	1.56-2.46	0.11	2.27 (0.23)	1.63-2.87	0.10	2.36 (0.23)	1.8-2.99	0.10
Oct 2022	5.7 (0.6)	4.48-6.83	0.10	5.79 (0.5)	4.41-7.23	0.09	5.78 (0.39)	4.74-6.88	0.07
Nov 2022	12.83 (1.27)	10.47-15.56	0.10	12.26 (1.01)	9.57-15.14	0.08	11.54 (0.77)	9.59-13.59	0.07
Dec 2022	12.48 (1.51)	9.53-15.22	0.12	12.74 (1.16)	9.89-15.92	0.09	12.85 (1.06)	10.29-15.57	0.08
Jan 2023	5.92 (0.57)	4.91-7.08	0.10	5.84 (0.47)	4.64-7.17	0.08	6.1 (0.45)	4.9-7.34	0.07
Feb 2023	16.79 (1.89)	13.14-20.47	0.11	16.17 (1.4)	12.49-19.62	0.09	16.1 (1.16)	13.14-19.19	0.07

Table 74. DBS - East & West. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	17.45 (1.71)	14.19-20.66	0.10	18.03 (1.47)	14.14-21.88	0.08	19.58 (1.51)	15.44-23.47	0.08
Apr 2021	16.95 (1.85)	13.3-20.53	0.11	17.24 (1.68)	12.81-21.91	0.10	18.6 (2.46)	12.91-25.41	0.13
May 2021	1.38 (0.18)	0.98-1.71	0.13	1.22 (0.14)	0.88-1.6	0.12	1.5 (0.17)	1.08-1.94	0.11
Jun 2021	1.46 (0.18)	1.1-1.78	0.12	1.71 (0.16)	1.29-2.13	0.09	1.66 (0.22)	1.16-2.21	0.13
Jul 2021	10.21 (0.77)	8.79-11.68	0.08	10.36 (0.61)	8.75-12.13	0.06	11.05 (0.63)	9.3-12.94	0.06
Aug 2021	4.51 (0.52)	3.54-5.55	0.11	4.67 (0.48)	3.45-6.08	0.10	5.77 (0.63)	4.1-7.65	0.11
Sep 2021	2.75 (0.32)	2.08-3.38	0.12	3.48 (0.35)	2.62-4.37	0.10	4.6 (0.44)	3.47-5.81	0.10
Oct 2021	2.75 (0.3)	2.2-3.4	0.11	3.23 (0.32)	2.43-4.11	0.10	3.55 (0.52)	2.48-4.99	0.15
Nov 2021	20.63 (1.65)	18.01-24.36	0.08	20.75 (1.19)	17.67-23.78	0.06	21.26 (0.95)	18.7-23.89	0.04
Dec 2021	4.12 (0.63)	2.98-5.39	0.15	4.73 (0.71)	2.92-6.64	0.15	4.92 (0.57)	3.46-6.46	0.12
Jan 2022	3.66 (0.63)	2.44-4.91	0.17	4.82 (0.86)	2.73-6.82	0.18	4.74 (0.62)	3.28-6.3	0.13
Feb 2022	8.73 (0.88)	7.04-10.56	0.10	8.46 (0.85)	6.15-10.67	0.10	8.61 (0.64)	6.85-10.33	0.07
Mar 2022	11.27 (2.34)	7.03-16.06	0.21	10.79 (1.75)	6.94-15.27	0.16	13.2 (2.07)	8.04-18.78	0.16
Apr 2022	7.53 (0.76)	6.15-9.06	0.10	7.47 (0.78)	5.55-9.46	0.10	7.68 (0.73)	5.89-9.49	0.09
May 2022	13.37 (1.1)	11.12-15.38	0.08	13.24 (0.86)	10.98-15.58	0.07	13.96 (0.7)	12.14-15.73	0.05
Jun 2022	2.45 (0.64)	1.29-3.64	0.26	2.25 (0.48)	1.26-3.26	0.21	2.16 (0.41)	1.33-3.12	0.19
Jul 2022	11.2 (1.72)	7.9-14.47	0.15	11.18 (1.55)	7.39-14.95	0.14	11.05 (1.36)	7.69-14.76	0.12
Aug 2022	39.14 (7.28)	25.45-52.64	0.19	34.55 (5.74)	19.32-49.86	0.17	34.2 (6.32)	18.63-50.94	0.18
Sep 2022	2.73 (0.31)	2.03-3.2	0.11	2.93 (0.3)	2.11-3.71	0.10	3.07 (0.3)	2.33-3.88	0.10
Oct 2022	7.37 (0.77)	5.79-8.83	0.10	7.49 (0.64)	5.7-9.34	0.09	7.47 (0.5)	6.13-8.9	0.07
Nov 2022	16.68 (1.65)	13.61-20.23	0.10	15.93 (1.31)	12.43-19.66	0.08	14.99 (1)	12.45-17.64	0.07
Dec 2022	16.33 (1.97)	12.47-19.92	0.12	16.67 (1.51)	12.94-20.83	0.09	16.81 (1.38)	13.47-20.37	0.08
Jan 2023	7.67 (0.74)	6.36-9.17	0.10	7.54 (0.61)	5.99-9.26	0.08	7.86 (0.57)	6.32-9.47	0.07
Feb 2023	21.94 (2.47)	17.16-26.73	0.11	21.12 (1.83)	16.31-25.63	0.09	21.02 (1.52)	17.15-25.05	0.07



Table 75. DBS - East & West. Density (birds Per Square Km) of Herring gull recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.04 (0.02)	0-0.08	0.56	0.03 (0.02)	0.01-0.07	0.49	0.03 (0.01)	0.01-0.07	0.45
Apr 2021	0.01 (0.01)	0-0.04	1.00	0.01 (0.01)	0-0.02	0.96	0.01 (0.01)	0-0.04	0.67
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0.01 (0.01)	0-0.04	0.99	0.01 (0.01)	0-0.02	1.01	0.01 (0.01)	0-0.03	0.71
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.01 (0.01)	0-0.04	1.06	0.01 (0.01)	0-0.02	1.06	0.04 (0.02)	0-0.1	0.51
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.01 (0.01)	0-0.04	1.03	0.01 (0.01)	0-0.02	1.00	0.01 (0.01)	0-0.02	0.96
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.99	0.01 (0.01)	0-0.04	1.04
Aug 2022	0.02 (0.02)	0-0.06	0.70	0.02 (0.01)	0-0.04	0.68	0.03 (0.02)	0-0.07	0.51
Sep 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	0.97	0.01 (0.01)	0-0.02	1.08
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0.02 (0.02)	0-0.06	0.67	0.02 (0.01)	0-0.07	0.56	0.02 (0.01)	0-0.05	0.57
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0.02 (0.02)	0-0.07	0.95	0.02 (0.02)	0-0.05	0.95	0.02 (0.01)	0-0.05	0.74
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 76. DBS - East & West. Density (birds Per Square Km) of Kittiwake recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	13.74 (1.89)	10.17-17.51	0.14	12.13 (1.46)	8.74-15.92	0.12	11.33 (1.12)	8.56-14.34	0.10
Apr 2021	4.98 (0.9)	3.61-7.08	0.18	4.92 (0.75)	3.18-7.19	0.15	4.31 (0.56)	2.96-5.94	0.13
May 2021	2.31 (0.29)	1.75-2.91	0.13	2.08 (0.24)	1.48-2.77	0.12	2.18 (0.19)	1.68-2.74	0.09
Jun 2021	0.44 (0.14)	0.22-0.74	0.32	0.44 (0.11)	0.22-0.71	0.25	0.72 (0.25)	0.25-1.4	0.35
Jul 2021	0.41 (0.12)	0.2-0.66	0.29	0.38 (0.08)	0.21-0.58	0.21	0.85 (0.45)	0.22-1.96	0.53
Aug 2021	0.32 (0.22)	0.02-0.82	0.69	0.33 (0.2)	0.02-0.82	0.60	0.3 (0.15)	0.06-0.68	0.50
Sep 2021	0.74 (0.16)	0.47-1.05	0.21	0.84 (0.17)	0.43-1.31	0.20	0.9 (0.16)	0.51-1.35	0.17
Oct 2021	1.21 (0.25)	0.76-1.78	0.21	1.81 (0.6)	0.68-3.03	0.33	1.84 (0.48)	0.9-3.06	0.26
Nov 2021	1.24 (0.18)	0.95-1.65	0.15	1.11 (0.13)	0.74-1.46	0.12	1.14 (0.12)	0.85-1.5	0.10
Dec 2021	0.33 (0.12)	0.12-0.62	0.38	0.25 (0.09)	0.06-0.51	0.35	0.23 (0.07)	0.07-0.44	0.29
Jan 2022	1.61 (0.21)	1.24-2.05	0.13	2.12 (0.28)	1.45-2.92	0.13	2.01 (0.22)	1.46-2.65	0.11
Feb 2022	1.04 (0.15)	0.76-1.34	0.14	0.95 (0.12)	0.65-1.29	0.12	1.01 (0.1)	0.75-1.28	0.10
Mar 2022	6.24 (1.44)	3.68-9.29	0.23	7.97 (1.71)	4.11-13.46	0.21	8.37 (1.28)	5.35-12.28	0.15
Apr 2022	6.16 (1.03)	4.45-8.47	0.17	6.09 (0.83)	4.29-8.37	0.14	6.36 (0.69)	4.69-8.27	0.11
May 2022	1.91 (0.35)	1.32-2.63	0.18	1.92 (0.25)	1.33-2.6	0.13	1.89 (0.19)	1.41-2.46	0.10
Jun 2022	0.97 (0.27)	0.49-1.55	0.28	0.95 (0.21)	0.55-1.46	0.22	0.99 (0.2)	0.57-1.52	0.20
Jul 2022	2.58 (0.43)	1.84-3.48	0.17	2.4 (0.37)	1.46-3.5	0.16	2.26 (0.32)	1.47-3.17	0.14
Aug 2022	18.56 (8.2)	6.09-36.97	0.44	16.29 (6.1)	3.66-34.93	0.37	13.83 (4.27)	4.14-26.88	0.31
Sep 2022	9.94 (7.98)	0.92-27.67	0.80	8.73 (5.73)	1.12-21.31	0.66	7.61 (4.36)	1.06-18.23	0.57
Oct 2022	2.16 (0.32)	1.6-2.81	0.15	2.79 (0.61)	1.52-4.57	0.22	2.64 (0.46)	1.61-4.06	0.18
Nov 2022	6.38 (0.85)	4.87-8.2	0.13	6.93 (1.03)	4.59-9.74	0.15	6.65 (0.76)	4.83-8.73	0.11
Dec 2022	9.86 (1.74)	6.65-13.33	0.18	9.95 (1.29)	6.79-13.47	0.13	12.18 (1.56)	8.46-16.7	0.13
Jan 2023	3.01 (0.67)	1.84-4.47	0.22	3.01 (0.55)	1.69-4.52	0.18	3.66 (0.6)	2.16-5.4	0.16
Feb 2023	4.93 (1.29)	2.73-7.74	0.26	4.4 (0.86)	2.4-7.02	0.20	4.02 (0.65)	2.53-6.03	0.16

Table 77. DBS - East & West. Density (birds Per Square Km) of Large gull species recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.01 (0.01)	0-0.04	0.98	0.01 (0.01)	0-0.03	0.99	0.01 (0.01)	0-0.03	0.65
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.97
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.01 (0.01)	0-0.02	0.96	0.01 (0.01)	0-0.02	0.99
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.01 (0.01)	0-0.04	0.93	0.01 (0.01)	0-0.04	0.95	0.01 (0.01)	0-0.02	0.91
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.06	0.68	0.02 (0.01)	0-0.05	0.71	0.02 (0.02)	0-0.07	0.64
Sep 2022	0.01 (0.01)	0-0.04	1.02	0.01 (0.01)	0-0.02	1.02	0.01 (0.01)	0-0.02	1.05
Oct 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.96
Nov 2022	0.01 (0.01)	0-0.04	1.04	0.01 (0.01)	0-0.02	0.96	0.01 (0.01)	0-0.02	0.97
Dec 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	1.01	0.01 (0.01)	0-0.03	0.69
Jan 2023	0.01 (0.01)	0-0.04	0.95	0.01 (0.01)	0-0.02	0.99	0.01 (0.01)	0-0.02	1.01
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 78. DBS - East & West. Density (birds Per Square Km) of Lesser black-backed gull recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.01 (0.01)	0-0.04	1.00	0.01 (0.01)	0-0.02	0.98	0.01 (0.01)	0-0.02	1.01
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0.01 (0.01)	0-0.04	0.99	0.01 (0.01)	0-0.02	1.01	0.01 (0.01)	0-0.02	0.97
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0.01 (0.01)	0-0.02	1.01	0.01 (0.01)	0-0.03	0.70
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.96
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.01 (0.01)	0-0.05	1.05	0.01 (0.01)	0-0.02	0.99	0.01 (0.01)	0-0.02	0.98
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0.02 (0.02)	0-0.07	0.98	0.02 (0.02)	0-0.05	0.99
Jul 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	0.97	0.01 (0.01)	0-0.02	0.96
Aug 2022	0.02 (0.02)	0-0.07	1.02	0.02 (0.02)	0-0.05	0.97	0.01 (0.01)	0-0.04	1.02
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 79. DBS - East & West. Density (birds Per Square Km) of Little auk recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0.02 (0.02)	0-0.07	1.0	0.03 (0.02)	0-0.08	0.71	0.02 (0.02)	0-0.06	0.73
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.05 (0.02)	0.01-0.09	0.5	0.1 (0.04)	0.01-0.24	0.45	0.1 (0.04)	0.02-0.22	0.36
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 80. DBS - East & West. Density (birds Per Square Km) of Little gull recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.23 (0.17)	0-0.67	0.72	0.2 (0.12)	0.01-0.53	0.60
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.01 (0.01)	0-0.04	1.02	0.01 (0.01)	0-0.02	1.03	0.01 (0.01)	0-0.02	0.98
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 81. DBS - East & West. Density (birds Per Square Km) of Manx shearwater recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.01 (0.01)	0-0.04	0.97	0.01 (0.01)	0-0.02	1.03	0.01 (0.01)	0-0.02	0.97
Aug 2022	0.01 (0.01)	0-0.04	0.99	0.01 (0.01)	0-0.02	1.02	0.01 (0.01)	0-0.02	0.95
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 82. DBS - East & West. Density (birds Per Square Km) of Puffin recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.14 (0.04)	0.07-0.23	0.26	0.12 (0.03)	0.07-0.19	0.21	0.13 (0.03)	0.06-0.21	0.21
Apr 2021	0.27 (0.04)	0.2-0.36	0.14	0.24 (0.03)	0.16-0.31	0.12	0.23 (0.03)	0.16-0.32	0.13
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.03 (0.02)	0-0.06	0.59
Aug 2021	0.04 (0.02)	0-0.07	0.51	0.03 (0.02)	0-0.06	0.52	0.02 (0.01)	0.01-0.04	0.44
Sep 2021	0.04 (0.02)	0-0.07	0.52	0.04 (0.02)	0.01-0.08	0.44	0.04 (0.01)	0.01-0.08	0.34
Oct 2021	0.46 (0.1)	0.27-0.65	0.21	0.47 (0.07)	0.28-0.67	0.15	0.48 (0.07)	0.3-0.67	0.14
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.01 (0.01)	0-0.02	0.76	0.01 (0.01)	0-0.02	0.81	0.01 (0.01)	0-0.02	0.90
May 2022	0.25 (0.05)	0.17-0.33	0.18	0.2 (0.04)	0.09-0.31	0.21	0.19 (0.04)	0.1-0.29	0.19
Jun 2022	0.02 (0.02)	0-0.05	0.70	0.02 (0.01)	0-0.03	0.70	0.01 (0.01)	0-0.02	0.72
Jul 2022	0.05 (0.02)	0-0.09	0.48	0.11 (0.05)	0.02-0.19	0.45	0.13 (0.06)	0.01-0.29	0.42
Aug 2022	0.1 (0.04)	0.02-0.17	0.38	0.07 (0.03)	0.02-0.14	0.36	0.05 (0.02)	0.01-0.1	0.33
Sep 2022	0.02 (0.01)	0-0.05	0.54	0.02 (0.01)	0-0.04	0.55	0.01 (0.01)	0-0.03	0.61
Oct 2022	0.05 (0.02)	0.01-0.08	0.34	0.1 (0.04)	0.02-0.18	0.38	0.11 (0.03)	0.03-0.19	0.31
Nov 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	0.89	0.02 (0.01)	0-0.03	0.53
Dec 2022	0.1 (0.04)	0.04-0.17	0.37	0.07 (0.03)	0.01-0.14	0.34	0.08 (0.02)	0.01-0.14	0.30
Jan 2023	0.06 (0.02)	0.02-0.09	0.34	0.06 (0.02)	0.02-0.11	0.31	0.05 (0.01)	0.02-0.08	0.27
Feb 2023	0.08 (0.03)	0.04-0.14	0.37	0.06 (0.02)	0.02-0.11	0.36	0.06 (0.02)	0.01-0.12	0.36



Table 83. DBS - East & West. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.14 (0.04)	0.07-0.23	0.26	0.12 (0.03)	0.07-0.19	0.21	0.13 (0.03)	0.06-0.21	0.21
Apr 2021	0.27 (0.04)	0.2-0.36	0.14	0.24 (0.03)	0.16-0.31	0.12	0.23 (0.03)	0.16-0.32	0.13
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.03 (0.02)	0-0.06	0.59
Aug 2021	0.04 (0.02)	0-0.07	0.51	0.03 (0.02)	0-0.06	0.52	0.02 (0.01)	0.01-0.04	0.44
Sep 2021	0.04 (0.02)	0-0.07	0.52	0.04 (0.02)	0.01-0.08	0.44	0.04 (0.01)	0.01-0.08	0.34
Oct 2021	0.5 (0.11)	0.29-0.7	0.21	0.53 (0.08)	0.31-0.76	0.15	0.54 (0.08)	0.34-0.76	0.14
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.01 (0.01)	0-0.02	0.76	0.01 (0.01)	0-0.02	0.81	0.01 (0.01)	0-0.02	0.90
May 2022	0.25 (0.05)	0.17-0.33	0.18	0.2 (0.04)	0.09-0.31	0.21	0.19 (0.04)	0.1-0.29	0.19
Jun 2022	0.02 (0.02)	0-0.05	0.70	0.02 (0.01)	0-0.03	0.70	0.01 (0.01)	0-0.02	0.72
Jul 2022	0.05 (0.02)	0-0.09	0.48	0.11 (0.05)	0.02-0.19	0.45	0.13 (0.06)	0.01-0.29	0.42
Aug 2022	0.1 (0.04)	0.02-0.17	0.38	0.07 (0.03)	0.02-0.14	0.36	0.05 (0.02)	0.01-0.1	0.33
Sep 2022	0.02 (0.01)	0-0.05	0.54	0.02 (0.01)	0-0.04	0.55	0.01 (0.01)	0-0.03	0.61
Oct 2022	0.05 (0.02)	0.01-0.08	0.34	0.1 (0.04)	0.02-0.18	0.38	0.11 (0.03)	0.03-0.19	0.31
Nov 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	0.89	0.02 (0.01)	0-0.03	0.53
Dec 2022	0.1 (0.04)	0.04-0.17	0.37	0.07 (0.03)	0.01-0.14	0.34	0.08 (0.02)	0.01-0.14	0.30
Jan 2023	0.06 (0.02)	0.02-0.09	0.34	0.06 (0.02)	0.02-0.11	0.31	0.05 (0.01)	0.02-0.08	0.27
Feb 2023	0.08 (0.03)	0.04-0.14	0.37	0.06 (0.02)	0.02-0.11	0.36	0.06 (0.02)	0.01-0.12	0.36

Table 84. DBS - East & West. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.17 (0.04)	0.08-0.27	0.26	0.14 (0.03)	0.07-0.22	0.21	0.16 (0.03)	0.07-0.24	0.20
Apr 2021	0.32 (0.05)	0.24-0.42	0.14	0.28 (0.03)	0.19-0.36	0.12	0.28 (0.03)	0.19-0.37	0.12
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.04 (0.02)	0-0.07	0.59
Aug 2021	0.04 (0.02)	0-0.07	0.51	0.04 (0.02)	0-0.08	0.52	0.03 (0.01)	0.01-0.05	0.44
Sep 2021	0.04 (0.02)	0-0.07	0.52	0.04 (0.02)	0.01-0.08	0.53	0.05 (0.02)	0.01-0.1	0.34
Oct 2021	0.58 (0.12)	0.34-0.82	0.21	0.62 (0.09)	0.36-0.89	0.15	0.63 (0.09)	0.39-0.88	0.14
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.01 (0.01)	0-0.02	0.76	0.01 (0.01)	0-0.02	0.81	0.01 (0.01)	0-0.02	0.90
May 2022	0.3 (0.05)	0.19-0.38	0.18	0.23 (0.05)	0.1-0.36	0.21	0.22 (0.04)	0.11-0.33	0.19
Jun 2022	0.02 (0.02)	0-0.05	0.70	0.02 (0.01)	0-0.03	0.70	0.01 (0.01)	0-0.02	0.72
Jul 2022	0.06 (0.03)	0-0.12	0.48	0.12 (0.06)	0.02-0.22	0.45	0.15 (0.07)	0.01-0.33	0.44
Aug 2022	0.11 (0.04)	0.03-0.19	0.38	0.08 (0.03)	0.02-0.15	0.36	0.06 (0.02)	0.01-0.11	0.33
Sep 2022	0.02 (0.01)	0-0.05	0.54	0.02 (0.01)	0-0.04	0.55	0.01 (0.01)	0-0.03	0.61
Oct 2022	0.05 (0.02)	0.01-0.1	0.43	0.11 (0.04)	0.03-0.21	0.38	0.12 (0.04)	0.03-0.21	0.33
Nov 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	0.89	0.02 (0.01)	0-0.03	0.53
Dec 2022	0.11 (0.04)	0.04-0.19	0.37	0.09 (0.03)	0.01-0.17	0.31	0.09 (0.03)	0.01-0.16	0.30
Jan 2023	0.06 (0.02)	0.03-0.11	0.41	0.07 (0.02)	0.02-0.12	0.31	0.05 (0.01)	0.02-0.09	0.27
Feb 2023	0.09 (0.04)	0.04-0.16	0.37	0.06 (0.02)	0.02-0.12	0.36	0.07 (0.03)	0.01-0.13	0.39

Table 85. DBS - East & West. Density (birds Per Square Km) of Razorbill recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	2.91 (0.5)	1.99-3.95	0.17	3.06 (0.39)	2.15-4.02	0.13	3.26 (0.3)	2.51-4.05	0.09
Apr 2021	2.08 (0.42)	1.32-2.93	0.20	2.04 (0.29)	1.36-2.79	0.14	2.01 (0.33)	1.2-3.02	0.16
May 2021	0.54 (0.12)	0.35-0.78	0.22	0.53 (0.1)	0.28-0.8	0.18	0.49 (0.08)	0.27-0.71	0.17
Jun 2021	0.01 (0.01)	0-0.04	0.86	0.03 (0.02)	0-0.08	0.49	0.07 (0.03)	0.01-0.14	0.40
Jul 2021	0.06 (0.03)	0.01-0.13	0.50	0.04 (0.02)	0-0.1	0.47	0.03 (0.01)	0-0.07	0.48
Aug 2021	0.05 (0.02)	0.01-0.09	0.45	0.07 (0.01)	0.04-0.12	0.20	0.14 (0.04)	0.04-0.26	0.30
Sep 2021	0.25 (0.06)	0.13-0.38	0.26	0.24 (0.05)	0.11-0.38	0.22	0.27 (0.06)	0.13-0.43	0.22
Oct 2021	0.27 (0.09)	0.12-0.45	0.31	0.46 (0.14)	0.15-0.79	0.30	0.48 (0.15)	0.16-0.9	0.31
Nov 2021	2.21 (0.34)	1.75-3.05	0.15	2.03 (0.19)	1.62-2.46	0.09	1.94 (0.17)	1.54-2.35	0.09
Dec 2021	0.73 (0.22)	0.35-1.18	0.30	0.65 (0.15)	0.34-1.02	0.23	0.56 (0.13)	0.27-0.91	0.24
Jan 2022	0.75 (0.17)	0.47-1.09	0.22	0.95 (0.24)	0.45-1.55	0.25	0.99 (0.19)	0.6-1.47	0.19
Feb 2022	0.64 (0.11)	0.43-0.87	0.18	0.56 (0.09)	0.32-0.83	0.17	0.45 (0.07)	0.27-0.64	0.15
Mar 2022	0.81 (0.26)	0.36-1.34	0.32	2.04 (0.93)	0.43-4.58	0.46	1.84 (0.71)	0.58-3.83	0.39
Apr 2022	1.11 (0.29)	0.63-1.72	0.26	0.94 (0.23)	0.43-1.52	0.25	0.88 (0.19)	0.41-1.35	0.22
May 2022	0.56 (0.12)	0.35-0.79	0.21	0.57 (0.09)	0.33-0.83	0.16	0.61 (0.09)	0.38-0.84	0.14
Jun 2022	0.11 (0.04)	0.02-0.19	0.41	0.11 (0.04)	0.04-0.2	0.34	0.14 (0.04)	0.04-0.25	0.29
Jul 2022	0.69 (0.22)	0.28-1.1	0.31	0.68 (0.16)	0.28-1.14	0.24	0.7 (0.14)	0.32-1.06	0.20
Aug 2022	10.39 (3.17)	4.95-17.17	0.30	9.51 (2.45)	4.11-16.5	0.26	8.82 (1.96)	3.92-14.57	0.22
Sep 2022	7.4 (5.54)	0.69-20.46	0.75	6.31 (3.75)	0.95-14.42	0.59	5.34 (3.3)	1.04-12.93	0.62
Oct 2022	3.37 (1.26)	1.53-6.11	0.37	3.69 (0.89)	1.87-6.02	0.24	3.68 (0.69)	2.28-5.45	0.19
Nov 2022	3.85 (0.38)	3.14-4.63	0.10	3.53 (0.28)	2.76-4.31	0.08	3.33 (0.26)	2.68-4.07	0.08
Dec 2022	6.74 (0.96)	4.96-8.58	0.14	6.83 (0.86)	4.88-9.05	0.13	6.79 (0.84)	4.83-8.84	0.12
Jan 2023	6.97 (1.05)	5.02-9.05	0.15	6.44 (0.78)	4.45-8.61	0.12	6.42 (0.71)	4.56-8.26	0.11
Feb 2023	6.13 (0.79)	4.69-7.69	0.13	5.92 (0.65)	4.32-7.76	0.11	6.35 (0.59)	4.73-8.02	0.09

Table 86. DBS - East & West. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	4.77 (0.8)	3.21-6.39	0.17	4.95 (0.63)	3.48-6.5	0.13	5.21 (0.47)	4.02-6.46	0.09
Apr 2021	3.53 (0.71)	2.24-4.99	0.20	3.48 (0.49)	2.33-4.76	0.14	3.45 (0.55)	2.07-5.14	0.16
May 2021	0.62 (0.14)	0.42-0.93	0.22	0.64 (0.12)	0.34-0.98	0.18	0.59 (0.1)	0.32-0.85	0.17
Jun 2021	0.01 (0.01)	0-0.04	0.86	0.04 (0.02)	0-0.1	0.40	0.07 (0.03)	0.01-0.15	0.40
Jul 2021	0.06 (0.03)	0.01-0.13	0.50	0.04 (0.02)	0-0.1	0.47	0.03 (0.01)	0-0.07	0.48
Aug 2021	0.06 (0.03)	0.01-0.12	0.45	0.1 (0.02)	0.06-0.16	0.20	0.18 (0.06)	0.06-0.33	0.31
Sep 2021	0.31 (0.08)	0.16-0.47	0.26	0.29 (0.06)	0.14-0.46	0.22	0.33 (0.07)	0.16-0.52	0.22
Oct 2021	0.45 (0.14)	0.2-0.75	0.31	0.73 (0.22)	0.24-1.24	0.30	0.76 (0.24)	0.26-1.43	0.31
Nov 2021	3.17 (0.48)	2.52-4.38	0.15	3 (0.27)	2.4-3.63	0.09	2.84 (0.26)	2.26-3.46	0.09
Dec 2021	1.53 (0.45)	0.74-2.49	0.30	1.49 (0.34)	0.77-2.32	0.23	1.34 (0.3)	0.64-2.15	0.23
Jan 2022	1.73 (0.38)	1.06-2.48	0.22	2.1 (0.52)	0.99-3.44	0.25	2.14 (0.4)	1.3-3.18	0.19
Feb 2022	1.41 (0.25)	0.93-1.91	0.18	1.23 (0.2)	0.72-1.83	0.17	0.97 (0.14)	0.59-1.38	0.15
Mar 2022	2.09 (0.69)	0.93-3.51	0.33	5.31 (2.37)	1.1-11.98	0.45	4.64 (1.8)	1.47-9.64	0.39
Apr 2022	1.29 (0.33)	0.73-2	0.26	1.1 (0.27)	0.51-1.78	0.25	1.02 (0.22)	0.48-1.57	0.22
May 2022	0.58 (0.12)	0.36-0.82	0.21	0.58 (0.1)	0.34-0.85	0.17	0.63 (0.09)	0.4-0.87	0.14
Jun 2022	0.11 (0.04)	0.02-0.19	0.41	0.11 (0.04)	0.04-0.2	0.34	0.14 (0.04)	0.04-0.25	0.30
Jul 2022	0.72 (0.23)	0.3-1.18	0.32	0.73 (0.17)	0.3-1.22	0.24	0.75 (0.15)	0.34-1.13	0.20
Aug 2022	11.02 (3.33)	5.21-18.06	0.30	10.05 (2.59)	4.35-17.44	0.26	9.33 (2.08)	4.15-15.41	0.22
Sep 2022	8.97 (6.78)	0.85-25.06	0.76	8.31 (4.94)	1.26-18.97	0.59	6.95 (4.3)	1.36-16.86	0.62
Oct 2022	3.76 (1.43)	1.74-6.93	0.38	4.06 (1)	2.05-6.64	0.25	4.03 (0.77)	2.49-5.97	0.19
Nov 2022	4.33 (0.42)	3.54-5.21	0.10	4 (0.31)	3.13-4.88	0.08	3.81 (0.29)	3.06-4.65	0.08
Dec 2022	7.82 (1.12)	5.75-9.96	0.14	8.07 (1.02)	5.77-10.69	0.13	8.03 (1.01)	5.72-10.46	0.13
Jan 2023	8.29 (1.25)	5.99-10.81	0.15	7.81 (0.95)	5.4-10.43	0.12	7.77 (0.86)	5.52-10.01	0.11
Feb 2023	7.25 (0.93)	5.53-9.07	0.13	7.02 (0.77)	5.13-9.21	0.11	7.48 (0.7)	5.57-9.44	0.09

Table 87. DBS - East & West. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	5.74 (0.96)	3.87-7.69	0.17	5.94 (0.75)	4.17-7.81	0.13	6.25 (0.57)	4.82-7.75	0.09
Apr 2021	4.26 (0.86)	2.71-6.04	0.20	4.22 (0.59)	2.83-5.76	0.14	4.16 (0.67)	2.5-6.21	0.16
May 2021	0.73 (0.16)	0.49-1.1	0.23	0.75 (0.14)	0.4-1.16	0.18	0.7 (0.12)	0.38-1.01	0.17
Jun 2021	0.01 (0.01)	0-0.04	0.86	0.05 (0.02)	0-0.12	0.41	0.09 (0.04)	0.01-0.18	0.42
Jul 2021	0.07 (0.04)	0.01-0.16	0.50	0.05 (0.02)	0-0.12	0.47	0.04 (0.02)	0-0.09	0.48
Aug 2021	0.07 (0.03)	0.02-0.14	0.45	0.11 (0.02)	0.07-0.18	0.22	0.21 (0.07)	0.07-0.4	0.32
Sep 2021	0.37 (0.09)	0.19-0.57	0.26	0.34 (0.08)	0.16-0.55	0.23	0.4 (0.09)	0.2-0.63	0.22
Oct 2021	0.55 (0.17)	0.24-0.9	0.31	0.89 (0.26)	0.29-1.5	0.30	0.92 (0.29)	0.31-1.73	0.31
Nov 2021	3.83 (0.58)	3.05-5.3	0.15	3.63 (0.33)	2.91-4.38	0.09	3.44 (0.31)	2.74-4.18	0.09
Dec 2021	1.85 (0.55)	0.89-3.02	0.30	1.8 (0.41)	0.94-2.81	0.23	1.63 (0.37)	0.78-2.61	0.23
Jan 2022	2.09 (0.46)	1.28-3	0.22	2.55 (0.63)	1.2-4.17	0.25	2.58 (0.49)	1.57-3.83	0.19
Feb 2022	1.69 (0.3)	1.12-2.3	0.18	1.49 (0.25)	0.87-2.2	0.17	1.16 (0.17)	0.7-1.65	0.15
Mar 2022	2.51 (0.82)	1.12-4.22	0.33	6.4 (2.86)	1.32-14.46	0.45	5.58 (2.16)	1.77-11.59	0.39
Apr 2022	1.5 (0.39)	0.85-2.33	0.26	1.29 (0.32)	0.6-2.1	0.25	1.2 (0.26)	0.56-1.85	0.22
May 2022	0.71 (0.15)	0.43-0.99	0.21	0.71 (0.12)	0.41-1.03	0.17	0.76 (0.11)	0.48-1.06	0.14
Jun 2022	0.13 (0.05)	0.03-0.23	0.41	0.14 (0.05)	0.05-0.25	0.34	0.16 (0.05)	0.05-0.29	0.31
Jul 2022	0.88 (0.28)	0.37-1.43	0.32	0.88 (0.21)	0.36-1.48	0.24	0.91 (0.18)	0.42-1.38	0.20
Aug 2022	13.34 (4.03)	6.31-21.88	0.30	12.16 (3.13)	5.26-21.1	0.26	11.3 (2.51)	5.02-18.66	0.22
Sep 2022	10.86 (8.21)	1.03-30.34	0.76	10.03 (5.96)	1.51-22.92	0.59	8.39 (5.19)	1.63-20.37	0.62
Oct 2022	4.33 (1.65)	2-7.99	0.38	4.64 (1.14)	2.35-7.58	0.25	4.6 (0.87)	2.84-6.81	0.19
Nov 2022	5.2 (0.51)	4.25-6.26	0.10	4.8 (0.38)	3.76-5.86	0.08	4.57 (0.35)	3.68-5.57	0.08
Dec 2022	9.43 (1.35)	6.95-12.03	0.14	9.75 (1.23)	6.97-12.91	0.13	9.7 (1.22)	6.91-12.63	0.13
Jan 2023	10.03 (1.51)	7.25-13.08	0.15	9.45 (1.15)	6.53-12.62	0.12	9.41 (1.04)	6.68-12.12	0.11
Feb 2023	8.74 (1.12)	6.67-10.94	0.13	8.47 (0.93)	6.19-11.11	0.11	9.03 (0.85)	6.73-11.4	0.09

Table 88. DBS - East & West. Density (birds Per Square Km) of Red-throated diver recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.98
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 89. DBS - East & West. Density (birds Per Square Km) of Skua species recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0.02 (0.02)	0-0.07	1.00	0.02 (0.02)	0-0.05	0.94	0.01 (0.01)	0-0.04	0.98
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.01 (0.01)	0-0.04	1.03	0.03 (0.02)	0-0.07	0.60	0.02 (0.01)	0-0.05	0.60
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 90. DBS - East & West. Density (birds Per Square Km) of Small gull species recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0.07 (0.07)	0-0.21	0.99	0.05 (0.05)	0-0.15	0.94	0.04 (0.03)	0-0.11	0.95
Sep 2021	0.02 (0.02)	0-0.06	0.67	0.02 (0.01)	0-0.07	0.57	0.03 (0.02)	0-0.08	0.52
Oct 2021	0 (0)	0-0		0.01 (0.01)	0-0.02	0.97	0.02 (0.01)	0-0.04	0.59
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0.01 (0.01)	0-0.04	0.96	0.01 (0.01)	0-0.02	0.97	0.01 (0.01)	0-0.02	0.97
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0.2 (0.08)	0.07-0.37	0.37	0.16 (0.05)	0.07-0.27	0.34	0.12 (0.04)	0.05-0.21	0.33
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.1 (0.05)	0.01-0.22	0.56	0.08 (0.04)	0.01-0.2	0.48	0.07 (0.03)	0.01-0.16	0.41
Sep 2022	0.01 (0.01)	0-0.04	1.03	0.03 (0.03)	0-0.09	0.78	0.02 (0.02)	0-0.07	0.79
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0.06 (0.03)	0.01-0.12	0.43	0.08 (0.03)	0.02-0.16	0.34	0.07 (0.02)	0.02-0.14	0.34
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0.02 (0.02)	0-0.06	0.68	0.02 (0.01)	0-0.04	0.70	0.02 (0.01)	0-0.05	0.58



Table 91. DBS - East & West. Density (birds Per Square Km) of Tern species recorded in flight and on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.07 (0.05)	0-0.19	0.7	0.06 (0.04)	0-0.15	0.63	0.07 (0.04)	0-0.18	0.57
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



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# Dogger Bank South Offshore Windfarm

## Ornithology Technical Appendix 12-8b Seabird densities by survey: birds on the sea

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## Document Quality Record

Version	Status	Person Responsible	Date
0.1	Draft	Dr Mark Trinder	16/10/2023
0.2	Reviewed	Dr Shirley Raveh	12/11/2023
0.3	Updated and approved	Dr Mark Trinder	18/03/2024
0.4	Updated	Dr Mark Trinder	22/11/2024

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## 1 INTRODUCTION

This annex provides tables of seabird density in each survey for each species recorded during the DBS East and West Offshore Wind Farm projects' baseline surveys (March 2021 – February 2023).

The densities were estimated using design-based methods and are summarised as central estimate (i.e. extrapolated from the number seen in the surveyed area to the whole area) and 95% confidence range, derived from 1,000 nonparametric bootstrap samples.

Appendix (a) provides the density in each survey for each species on the water and in flight.

This appendix (b) provides the density in each survey for each species on the water.

Appendix (c) provides the density in each survey for each species in flight.

Table 1. DBS - East. Density (birds Per Square Km) of Arctic skua recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 2. DBS - East. Density (birds Per Square Km) of Arctic tern recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 3. DBS - East. Density (birds Per Square Km) of Black-backed gull species recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0.02 (0.03)	0-0.1	1.05	0.02 (0.02)	0-0.05	1	0.01 (0.01)	0-0.04	0.97
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 4. DBS - East. Density (birds Per Square Km) of Commic tern recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.33 (0.33)	0-1	0.99	0.23 (0.22)	0-0.69	0.98	0.3 (0.2)	0-0.77	0.68
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



Table 5. DBS - East. Density (birds Per Square Km) of Common gull recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.05 (0.05)	0-0.14	1.00	0.03 (0.03)	0-0.1	0.99	0.02 (0.02)	0-0.07	1.03
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0.02 (0.02)	0-0.07	0.98	0.02 (0.02)	0-0.05	1.01	0.01 (0.01)	0-0.04	0.98

Table 6. DBS - East. Density (birds Per Square Km) of Common scoter recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0.05 (0.05)	0-0.14	1	0.03 (0.03)	0-0.1	1	0.02 (0.02)	0-0.07	1.03
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 7. DBS - East. Density (birds Per Square Km) of Common tern recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 8. DBS - East. Density (birds Per Square Km) of Fulmar recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	0.93	0.06 (0.04)	0-0.16	0.70
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0.03 (0.02)	0-0.08	0.66	0.02 (0.01)	0-0.05	0.57
Jul 2021	0.02 (0.02)	0-0.07	0.95	0.02 (0.02)	0-0.05	0.93	0.01 (0.01)	0-0.04	0.87
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0.33 (0.11)	0.14-0.55	0.32	0.35 (0.09)	0.18-0.51	0.25	0.35 (0.08)	0.2-0.51	0.22
Oct 2021	0.05 (0.03)	0-0.12	0.70	0.03 (0.02)	0-0.08	0.61	0.02 (0.01)	0-0.05	0.58
Nov 2021	0.07 (0.04)	0-0.17	0.55	0.05 (0.03)	0-0.1	0.50	0.09 (0.03)	0.04-0.15	0.33
Dec 2021	0.02 (0.02)	0-0.07	0.96	0.02 (0.02)	0-0.05	0.95	0.01 (0.01)	0-0.04	0.89
Jan 2022	0.05 (0.03)	0-0.12	0.71	0.03 (0.02)	0-0.08	0.67	0.02 (0.02)	0-0.06	0.64
Feb 2022	0.02 (0.02)	0-0.07	0.96	0.02 (0.01)	0-0.05	0.90	0.01 (0.01)	0-0.04	0.84
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.02 (0.02)	0-0.07	0.91	0.02 (0.01)	0-0.05	0.88	0.06 (0.02)	0.01-0.1	0.39
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.05 (0.03)	0-0.12	0.66	0.03 (0.02)	0-0.08	0.66	0.02 (0.01)	0-0.05	0.60
Aug 2022	0.05 (0.03)	0-0.12	0.69	0.03 (0.02)	0-0.08	0.65	0.02 (0.02)	0-0.06	0.66
Sep 2022	0.03 (0.02)	0-0.08	0.96	0.02 (0.02)	0-0.05	0.94	0.05 (0.02)	0.01-0.09	0.41
Oct 2022	0.31 (0.13)	0.12-0.6	0.40	0.56 (0.14)	0.28-0.82	0.24	0.77 (0.12)	0.55-1.01	0.16
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.89
Dec 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.94	0.06 (0.02)	0.02-0.09	0.31
Jan 2023	0.29 (0.19)	0.02-0.72	0.67	0.2 (0.14)	0.02-0.51	0.70	0.21 (0.1)	0.05-0.44	0.48
Feb 2023	0.26 (0.1)	0.1-0.48	0.38	0.25 (0.08)	0.1-0.39	0.31	0.2 (0.06)	0.11-0.32	0.27

Table 9. DBS - East. Density (birds Per Square Km) of Gannet recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	1.37 (0.32)	0.82-2.04	0.23	0.97 (0.22)	0.56-1.4	0.22	0.82 (0.18)	0.49-1.17	0.22
Apr 2021	0.26 (0.08)	0.12-0.43	0.30	0.29 (0.07)	0.18-0.43	0.22	0.23 (0.06)	0.12-0.36	0.26
May 2021	0.12 (0.05)	0.02-0.22	0.44	0.08 (0.04)	0.02-0.17	0.47	0.1 (0.03)	0.04-0.17	0.36
Jun 2021	0.07 (0.03)	0.02-0.15	0.46	0.07 (0.03)	0.02-0.13	0.45	0.05 (0.02)	0.01-0.1	0.46
Jul 2021	0.02 (0.02)	0-0.07	0.83	0.05 (0.03)	0.02-0.1	0.52	0.05 (0.02)	0.01-0.1	0.46
Aug 2021	0.07 (0.03)	0.02-0.14	0.45	0.1 (0.03)	0.05-0.16	0.32	0.07 (0.03)	0.02-0.13	0.37
Sep 2021	0.12 (0.03)	0.07-0.19	0.26	0.12 (0.03)	0.07-0.18	0.26	0.14 (0.04)	0.07-0.22	0.26
Oct 2021	0.26 (0.07)	0.14-0.4	0.27	0.33 (0.07)	0.18-0.47	0.22	0.37 (0.08)	0.23-0.53	0.21
Nov 2021	0 (0)	0-0		0.02 (0.01)	0-0.05	0.89	0.01 (0.01)	0-0.04	0.92
Dec 2021	0.02 (0.02)	0-0.07	0.83	0.02 (0.01)	0-0.05	0.86	0.01 (0.01)	0-0.04	0.92
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	1.65 (0.42)	0.82-2.52	0.26	1.53 (0.47)	0.7-2.49	0.31	2.26 (0.97)	0.74-4.42	0.43
Apr 2022	0.6 (0.2)	0.26-1	0.33	0.51 (0.14)	0.26-0.79	0.27	0.53 (0.1)	0.35-0.73	0.19
May 2022	0.1 (0.04)	0.02-0.17	0.40	0.11 (0.04)	0.03-0.2	0.36	0.08 (0.03)	0.02-0.14	0.37
Jun 2022	0.02 (0.02)	0-0.07	0.86	0.02 (0.01)	0-0.05	0.87	0.02 (0.02)	0-0.06	0.66
Jul 2022	0.17 (0.06)	0.07-0.29	0.33	0.2 (0.06)	0.08-0.33	0.31	0.2 (0.05)	0.11-0.3	0.26
Aug 2022	0.31 (0.1)	0.12-0.5	0.31	0.26 (0.07)	0.13-0.41	0.27	0.23 (0.06)	0.12-0.35	0.26
Sep 2022	0.03 (0.02)	0-0.08	0.82	0.02 (0.01)	0-0.05	0.85	0.06 (0.03)	0.01-0.13	0.47
Oct 2022	1.42 (0.35)	0.79-2.11	0.25	1.64 (0.36)	0.97-2.38	0.22	1.33 (0.28)	0.83-1.92	0.21
Nov 2022	0.66 (0.21)	0.31-1.1	0.31	0.48 (0.15)	0.21-0.8	0.32	0.42 (0.12)	0.21-0.67	0.28
Dec 2022	0.16 (0.11)	0-0.42	0.70	0.11 (0.08)	0-0.3	0.75	0.12 (0.07)	0.04-0.27	0.57
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0.33 (0.27)	0-0.95	0.81	0.23 (0.2)	0-0.65	0.87	0.17 (0.15)	0-0.49	0.89

Table 10. DBS - East. Density (birds Per Square Km) of Great black-backed gull recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	1.01	0.01 (0.01)	0-0.04	0.98
Dec 2021	0.02 (0.02)	0-0.07	0.98	0.02 (0.02)	0-0.05	0.96	0.02 (0.02)	0-0.06	0.65
Jan 2022	0.14 (0.07)	0.02-0.29	0.46	0.11 (0.05)	0.03-0.21	0.43	0.2 (0.08)	0.07-0.38	0.39
Feb 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	1.02	0.02 (0.02)	0-0.06	0.69
Mar 2022	0.24 (0.1)	0.07-0.46	0.41	0.18 (0.07)	0.05-0.33	0.38	0.22 (0.07)	0.09-0.36	0.33
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.02)	0-0.07	0.99
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0.08 (0.09)	0-0.25	1.04	0.06 (0.06)	0-0.18	1.03
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	1.02
Dec 2022	0 (0)	0-0		0.03 (0.03)	0-0.1	1.00	0.04 (0.03)	0-0.09	0.73
Jan 2023	0.26 (0.15)	0.05-0.6	0.58	0.18 (0.11)	0.02-0.41	0.60	0.19 (0.09)	0.05-0.37	0.46
Feb 2023	0.1 (0.08)	0-0.29	0.79	0.08 (0.05)	0-0.21	0.66	0.08 (0.05)	0.01-0.18	0.55

Table 11. DBS - East. Density (birds Per Square Km) of Great skua recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 12. DBS - East. Density (birds Per Square Km) of Guillemot recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	9.5 (1.35)	6.78-12.09	0.14	8.85 (1.01)	6.91-10.81	0.11	8.35 (0.8)	6.77-9.88	0.10
Apr 2021	4.17 (0.82)	2.57-5.79	0.20	5.16 (0.95)	3.44-7.06	0.18	7.55 (2.05)	4.54-12.39	0.27
May 2021	0.32 (0.09)	0.15-0.48	0.29	0.28 (0.07)	0.15-0.41	0.25	0.42 (0.07)	0.29-0.58	0.17
Jun 2021	0.34 (0.1)	0.15-0.53	0.29	0.33 (0.07)	0.2-0.48	0.22	0.34 (0.07)	0.22-0.5	0.22
Jul 2021	5.93 (0.64)	4.68-7.21	0.11	6.44 (0.63)	5.26-7.73	0.10	7.09 (0.69)	5.75-8.45	0.10
Aug 2021	2.69 (0.53)	1.75-3.79	0.20	2.42 (0.4)	1.7-3.23	0.16	3.13 (0.55)	2.17-4.28	0.18
Sep 2021	2.13 (0.34)	1.46-2.8	0.16	2.78 (0.35)	2.14-3.48	0.13	3.6 (0.43)	2.82-4.52	0.12
Oct 2021	0.95 (0.15)	0.64-1.24	0.16	1.29 (0.16)	0.98-1.6	0.12	1.66 (0.43)	1-2.59	0.26
Nov 2021	14.61 (1.43)	11.8-17.24	0.10	14.42 (0.98)	12.43-16.33	0.07	14.47 (0.78)	13.07-15.95	0.05
Dec 2021	1.7 (0.32)	1.09-2.31	0.19	1.5 (0.24)	1.05-2	0.16	1.71 (0.2)	1.35-2.13	0.12
Jan 2022	0.6 (0.11)	0.38-0.82	0.18	0.75 (0.11)	0.54-0.97	0.14	0.88 (0.12)	0.64-1.12	0.14
Feb 2022	3.34 (0.47)	2.5-4.28	0.14	3.16 (0.34)	2.49-3.84	0.11	3.03 (0.27)	2.48-3.54	0.09
Mar 2022	4.91 (1.28)	2.64-7.5	0.26	4.48 (1.01)	2.7-6.52	0.22	4.26 (0.87)	2.7-6.13	0.20
Apr 2022	2.72 (0.46)	1.83-3.64	0.17	2.26 (0.38)	1.51-2.96	0.17	2.36 (0.31)	1.75-2.99	0.13
May 2022	6.21 (0.75)	4.73-7.57	0.12	6.55 (0.58)	5.42-7.68	0.09	7 (0.48)	6.1-7.96	0.07
Jun 2022	0.36 (0.09)	0.19-0.53	0.25	0.43 (0.09)	0.26-0.59	0.20	0.59 (0.1)	0.4-0.79	0.17
Jul 2022	6.84 (1.15)	4.75-9.17	0.17	6.41 (0.92)	4.66-8.17	0.14	7.16 (0.92)	5.42-9.11	0.13
Aug 2022	20.39 (6.99)	7.94-35.23	0.34	18.53 (5.09)	9.93-28.62	0.27	18.43 (4)	11.15-26.57	0.22
Sep 2022	1.2 (0.23)	0.77-1.64	0.19	1.16 (0.16)	0.88-1.48	0.13	1.33 (0.16)	1.02-1.63	0.12
Oct 2022	5.71 (0.9)	3.93-7.39	0.16	6 (0.65)	4.84-7.3	0.11	6.08 (0.52)	5.11-7.14	0.09
Nov 2022	15.04 (2.09)	11.21-19.42	0.14	14.01 (1.49)	11.14-16.9	0.11	12.76 (1.11)	10.68-15.09	0.09
Dec 2022	8.69 (1.34)	6.15-11.33	0.15	8.04 (0.92)	6.36-9.91	0.11	8.61 (0.68)	7.37-9.96	0.08
Jan 2023	4.97 (0.72)	3.65-6.41	0.14	5.04 (0.63)	3.9-6.41	0.12	5.47 (0.59)	4.33-6.73	0.11
Feb 2023	6.63 (0.93)	4.84-8.47	0.14	7.09 (0.9)	5.27-8.85	0.13	7.75 (0.99)	5.88-9.71	0.13



Table 13. DBS - East. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	16.06 (2.29)	11.47-20.45	0.14	14.64 (1.66)	11.42-17.88	0.11	13.65 (1.31)	11.06-16.15	0.10
Apr 2021	7.15 (1.4)	4.41-9.93	0.20	8.52 (1.57)	5.68-11.65	0.18	12.15 (3.29)	7.31-19.94	0.27
May 2021	0.34 (0.1)	0.16-0.52	0.29	0.33 (0.08)	0.18-0.49	0.25	0.51 (0.09)	0.35-0.7	0.17
Jun 2021	0.44 (0.13)	0.19-0.69	0.29	0.4 (0.09)	0.24-0.58	0.22	0.44 (0.09)	0.28-0.64	0.22
Jul 2021	6.1 (0.66)	4.81-7.41	0.11	6.67 (0.65)	5.45-8.01	0.10	7.34 (0.72)	5.96-8.76	0.10
Aug 2021	3.65 (0.72)	2.38-5.14	0.20	3.43 (0.57)	2.4-4.57	0.16	4.59 (0.8)	3.19-6.29	0.18
Sep 2021	2.68 (0.43)	1.83-3.52	0.16	3.33 (0.42)	2.56-4.15	0.13	4.33 (0.51)	3.39-5.43	0.12
Oct 2021	1.4 (0.22)	0.95-1.83	0.16	2 (0.25)	1.52-2.49	0.12	2.53 (0.66)	1.53-3.95	0.26
Nov 2021	21.04 (2.05)	17-24.84	0.10	21.45 (1.46)	18.48-24.29	0.07	21.35 (1.15)	19.29-23.54	0.05
Dec 2021	3.59 (0.68)	2.31-4.88	0.19	3.2 (0.51)	2.24-4.26	0.16	3.49 (0.41)	2.74-4.33	0.12
Jan 2022	1.25 (0.23)	0.8-1.7	0.18	1.57 (0.22)	1.13-2.02	0.14	1.76 (0.24)	1.28-2.25	0.14
Feb 2022	7.81 (1.09)	5.84-10	0.14	7.49 (0.8)	5.89-9.09	0.11	7.14 (0.63)	5.86-8.36	0.09
Mar 2022	11.69 (3.05)	6.28-17.85	0.26	11.17 (2.51)	6.74-16.26	0.22	11.28 (2.3)	7.15-16.24	0.20
Apr 2022	3.14 (0.53)	2.12-4.22	0.17	2.81 (0.47)	1.88-3.69	0.17	2.85 (0.37)	2.11-3.61	0.13
May 2022	6.49 (0.79)	4.95-7.92	0.12	6.85 (0.6)	5.67-8.03	0.09	7.29 (0.5)	6.35-8.29	0.07
Jun 2022	0.38 (0.1)	0.2-0.56	0.25	0.48 (0.1)	0.29-0.66	0.20	0.62 (0.1)	0.42-0.84	0.17
Jul 2022	7.39 (1.24)	5.14-9.91	0.17	7.02 (1.01)	5.11-8.94	0.14	7.8 (1)	5.9-9.92	0.13
Aug 2022	21.75 (7.45)	8.47-37.58	0.34	19.54 (5.37)	10.47-30.19	0.27	19.52 (4.24)	11.81-28.14	0.22
Sep 2022	1.72 (0.33)	1.1-2.34	0.19	1.6 (0.22)	1.21-2.04	0.13	1.73 (0.2)	1.33-2.11	0.12
Oct 2022	6.07 (0.96)	4.18-7.85	0.16	6.41 (0.69)	5.17-7.8	0.11	6.46 (0.56)	5.43-7.59	0.09
Nov 2022	16.83 (2.34)	12.54-21.73	0.14	15.65 (1.66)	12.44-18.88	0.11	14.32 (1.24)	11.99-16.94	0.09
Dec 2022	10.03 (1.55)	7.11-13.09	0.15	9.43 (1.07)	7.46-11.62	0.11	10.7 (0.85)	9.15-12.37	0.08
Jan 2023	6.1 (0.88)	4.48-7.87	0.14	6.17 (0.77)	4.77-7.84	0.12	6.82 (0.74)	5.4-8.39	0.11
Feb 2023	8.11 (1.13)	5.92-10.36	0.14	8.39 (1.07)	6.24-10.49	0.13	9.05 (1.15)	6.87-11.34	0.13

Table 14. DBS - East. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	21.06 (3)	15.04-26.82	0.14	19.18 (2.18)	14.97-23.44	0.11	17.9 (1.71)	14.51-21.18	0.10
Apr 2021	9.37 (1.84)	5.78-13.01	0.20	11.17 (2.06)	7.45-15.28	0.18	15.93 (4.32)	9.58-26.14	0.27
May 2021	0.44 (0.12)	0.2-0.67	0.29	0.43 (0.11)	0.23-0.63	0.25	0.67 (0.12)	0.46-0.91	0.17
Jun 2021	0.58 (0.17)	0.25-0.92	0.29	0.52 (0.11)	0.31-0.75	0.22	0.57 (0.12)	0.37-0.84	0.22
Jul 2021	8 (0.86)	6.31-9.73	0.11	8.74 (0.85)	7.15-10.5	0.10	9.62 (0.94)	7.82-11.48	0.10
Aug 2021	4.77 (0.94)	3.11-6.74	0.20	4.5 (0.74)	3.15-6	0.16	6.01 (1.05)	4.18-8.24	0.18
Sep 2021	3.51 (0.56)	2.41-4.62	0.16	4.36 (0.55)	3.36-5.45	0.13	5.68 (0.68)	4.44-7.12	0.12
Oct 2021	1.83 (0.29)	1.24-2.38	0.16	2.62 (0.32)	1.99-3.25	0.12	3.32 (0.86)	2.01-5.18	0.26
Nov 2021	27.6 (2.69)	22.3-32.58	0.10	28.12 (1.92)	24.24-31.85	0.07	27.99 (1.5)	25.29-30.87	0.05
Dec 2021	4.71 (0.89)	3.03-6.39	0.19	4.2 (0.67)	2.94-5.59	0.16	4.57 (0.54)	3.6-5.67	0.12
Jan 2022	1.63 (0.3)	1.04-2.22	0.18	2.07 (0.29)	1.48-2.65	0.14	2.32 (0.32)	1.68-2.95	0.14
Feb 2022	10.24 (1.43)	7.66-13.11	0.14	9.83 (1.05)	7.73-11.93	0.11	9.35 (0.83)	7.68-10.96	0.09
Mar 2022	15.32 (3.99)	8.22-23.39	0.26	14.64 (3.29)	8.84-21.31	0.22	14.78 (3.01)	9.37-21.29	0.20
Apr 2022	4.12 (0.7)	2.78-5.53	0.17	3.68 (0.62)	2.45-4.83	0.17	3.73 (0.49)	2.77-4.74	0.13
May 2022	8.52 (1.03)	6.49-10.39	0.12	8.98 (0.79)	7.43-10.53	0.09	9.55 (0.66)	8.32-10.86	0.07
Jun 2022	0.5 (0.13)	0.27-0.74	0.25	0.62 (0.13)	0.38-0.86	0.20	0.81 (0.14)	0.55-1.1	0.17
Jul 2022	9.7 (1.63)	6.74-13	0.17	9.21 (1.32)	6.69-11.72	0.14	10.22 (1.32)	7.73-13.01	0.13
Aug 2022	28.53 (9.77)	11.11-49.28	0.34	25.62 (7.04)	13.73-39.58	0.27	25.58 (5.55)	15.48-36.89	0.22
Sep 2022	2.26 (0.44)	1.44-3.07	0.19	2.09 (0.28)	1.59-2.67	0.13	2.27 (0.27)	1.74-2.77	0.12
Oct 2022	7.96 (1.25)	5.49-10.31	0.16	8.41 (0.91)	6.78-10.23	0.11	8.47 (0.73)	7.12-9.95	0.09
Nov 2022	22.07 (3.07)	16.45-28.49	0.14	20.51 (2.17)	16.31-24.74	0.11	18.78 (1.63)	15.72-22.21	0.09
Dec 2022	13.14 (2.03)	9.31-17.15	0.15	12.35 (1.41)	9.77-15.23	0.11	14.02 (1.11)	12-16.22	0.08
Jan 2023	8 (1.16)	5.87-10.31	0.14	8.08 (1.01)	6.25-10.28	0.12	8.94 (0.97)	7.08-11	0.11
Feb 2023	10.64 (1.49)	7.77-13.58	0.14	11.01 (1.4)	8.19-13.76	0.13	11.87 (1.51)	9-14.86	0.13

Table 15. DBS - East. Density (birds Per Square Km) of Herring gull recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.07 (0.04)	0-0.17	0.54	0.07 (0.03)	0.02-0.13	0.49	0.05 (0.02)	0.01-0.1	0.50
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.97
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0.02 (0.02)	0-0.07	1.00	0.02 (0.02)	0-0.05	1.02	0.01 (0.01)	0-0.04	1.03
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 16. DBS - East. Density (birds Per Square Km) of Kittiwake recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	16.35 (2.99)	10.55-22.12	0.18	13.43 (2.23)	9.24-17.9	0.17	11.44 (1.42)	8.73-14.18	0.12
Apr 2021	3.17 (1.39)	1.17-6.36	0.44	2.8 (1.05)	1.29-5.17	0.38	2.44 (0.79)	1.32-4.29	0.32
May 2021	0.87 (0.22)	0.48-1.33	0.25	0.78 (0.2)	0.41-1.16	0.25	0.78 (0.17)	0.47-1.14	0.22
Jun 2021	0 (0)	0-0		0.03 (0.03)	0-0.1	0.89	0.05 (0.03)	0-0.12	0.65
Jul 2021	0 (0)	0-0		0 (0)	0-0		1 (0.85)	0-2.96	0.85
Aug 2021	0.41 (0.33)	0-1.22	0.80	0.43 (0.34)	0-1.14	0.78	0.33 (0.24)	0-0.86	0.75
Sep 2021	0.33 (0.12)	0.12-0.57	0.34	0.49 (0.14)	0.25-0.77	0.28	0.47 (0.14)	0.22-0.75	0.29
Oct 2021	0.05 (0.03)	0-0.1	0.60	0.39 (0.26)	0.03-0.77	0.67	0.35 (0.22)	0.02-0.79	0.63
Nov 2021	0.19 (0.09)	0.02-0.39	0.47	0.13 (0.07)	0.02-0.28	0.53	0.1 (0.05)	0.01-0.22	0.53
Dec 2021	0.22 (0.09)	0.05-0.44	0.43	0.18 (0.07)	0.05-0.33	0.38	0.15 (0.05)	0.05-0.26	0.37
Jan 2022	0.98 (0.15)	0.67-1.3	0.16	1.16 (0.23)	0.74-1.62	0.20	1.1 (0.19)	0.77-1.51	0.17
Feb 2022	0.22 (0.06)	0.1-0.34	0.28	0.15 (0.05)	0.07-0.25	0.32	0.17 (0.04)	0.1-0.25	0.25
Mar 2022	7.6 (2.07)	3.87-11.74	0.27	7.2 (1.81)	3.68-10.74	0.25	6.82 (1.36)	4.37-9.6	0.20
Apr 2022	2 (0.37)	1.33-2.76	0.19	2.05 (0.35)	1.42-2.77	0.17	2.27 (0.46)	1.45-3.23	0.20
May 2022	0.79 (0.2)	0.43-1.19	0.25	0.74 (0.16)	0.44-1.1	0.22	0.87 (0.18)	0.53-1.25	0.21
Jun 2022	0.02 (0.02)	0-0.07	0.81	0.08 (0.06)	0-0.21	0.71	0.11 (0.05)	0.02-0.22	0.48
Jul 2022	0.94 (0.27)	0.41-1.49	0.29	1.07 (0.4)	0.41-1.9	0.37	1.04 (0.37)	0.46-1.85	0.35
Aug 2022	7.27 (4.73)	0.52-17.06	0.65	7.08 (3.48)	1.6-14.78	0.49	5.89 (2.73)	1.34-12	0.46
Sep 2022	0.23 (0.07)	0.1-0.38	0.31	0.18 (0.05)	0.09-0.28	0.30	1.73 (1.32)	0.08-4.92	0.76
Oct 2022	0.7 (0.27)	0.24-1.27	0.39	0.64 (0.21)	0.28-1.1	0.32	0.72 (0.2)	0.35-1.14	0.28
Nov 2022	2.33 (0.71)	1.06-3.78	0.31	2.39 (0.77)	1.06-4.09	0.32	2.03 (0.6)	1.08-3.38	0.29
Dec 2022	4.06 (1.31)	1.69-6.73	0.32	4.27 (1.19)	2.27-6.82	0.28	7.7 (2.28)	3.96-12.49	0.30
Jan 2023	1.9 (0.76)	0.58-3.51	0.40	1.72 (0.59)	0.64-2.89	0.34	2.09 (0.59)	1.02-3.34	0.28
Feb 2023	2.38 (1.13)	0.72-4.91	0.47	2.11 (0.82)	0.9-3.96	0.39	1.97 (0.61)	1.05-3.4	0.31

Table 17. DBS - East. Density (birds Per Square Km) of Large gull species recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	1.03
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.07	1.01	0.02 (0.02)	0-0.05	0.97	0.04 (0.03)	0-0.1	0.77
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	1.02	0.01 (0.01)	0-0.04	1.01
Jan 2023	0.02 (0.02)	0-0.07	1.04	0.02 (0.02)	0-0.05	0.95	0.01 (0.01)	0-0.04	1.01
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 18. DBS - East. Density (birds Per Square Km) of Lesser black-backed gull recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.02 (0.02)	0-0.07	1.03	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	0.99
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	1.04
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 19. DBS - East. Density (birds Per Square Km) of Little auk recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.05 (0.03)	0-0.12	0.7	0.1 (0.07)	0-0.24	0.72	0.09 (0.06)	0.01-0.22	0.61
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 20. DBS - East. Density (birds Per Square Km) of Little gull recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.26 (0.25)	0-0.79	0.96	0.27 (0.2)	0-0.72	0.75
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



Table 21. DBS - East. Density (birds Per Square Km) of Manx shearwater recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 22. DBS - East. Density (birds Per Square Km) of Puffin recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.1 (0.04)	0.02-0.19	0.47	0.1 (0.03)	0.05-0.15	0.26	0.13 (0.04)	0.05-0.22	0.32
Apr 2021	0.14 (0.05)	0.05-0.26	0.38	0.11 (0.04)	0.05-0.2	0.34	0.12 (0.04)	0.05-0.19	0.31
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.03 (0.01)	0.02-0.07	0.45	0.02 (0.02)	0-0.06	0.66
Oct 2021	0.52 (0.15)	0.26-0.83	0.29	0.49 (0.11)	0.29-0.7	0.22	0.5 (0.1)	0.32-0.7	0.19
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.02 (0.02)	0-0.05	0.77	0.02 (0.01)	0-0.05	0.81	0.01 (0.01)	0-0.04	0.90
May 2022	0.24 (0.05)	0.14-0.33	0.21	0.21 (0.06)	0.1-0.33	0.27	0.2 (0.05)	0.11-0.31	0.25
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0.11 (0.09)	0-0.32	0.84
Aug 2022	0.02 (0.02)	0-0.07	0.88	0.02 (0.02)	0-0.05	0.92	0.01 (0.01)	0-0.04	0.95
Sep 2022	0.03 (0.02)	0-0.08	0.88	0.02 (0.02)	0-0.05	0.94	0.01 (0.01)	0-0.04	0.94
Oct 2022	0.02 (0.02)	0-0.07	0.88	0.03 (0.02)	0-0.08	0.64	0.04 (0.02)	0-0.08	0.52
Nov 2022	0 (0)	0-0		0.02 (0.01)	0-0.05	0.86	0.04 (0.02)	0-0.07	0.51
Dec 2022	0.07 (0.04)	0-0.16	0.64	0.06 (0.03)	0-0.13	0.53	0.09 (0.04)	0.04-0.18	0.39
Jan 2023	0.07 (0.03)	0.02-0.14	0.47	0.08 (0.03)	0.02-0.15	0.41	0.06 (0.03)	0.01-0.11	0.42
Feb 2023	0.14 (0.06)	0.05-0.26	0.41	0.1 (0.04)	0.03-0.2	0.44	0.1 (0.04)	0.02-0.18	0.44

Table 23. DBS - East. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.1 (0.04)	0.02-0.19	0.47	0.1 (0.03)	0.05-0.15	0.26	0.13 (0.04)	0.05-0.22	0.32
Apr 2021	0.14 (0.05)	0.05-0.26	0.38	0.11 (0.04)	0.05-0.2	0.34	0.12 (0.04)	0.05-0.19	0.31
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.03 (0.01)	0.02-0.07	0.45	0.02 (0.02)	0-0.06	0.66
Oct 2021	0.57 (0.17)	0.29-0.91	0.29	0.57 (0.13)	0.34-0.82	0.22	0.58 (0.11)	0.38-0.82	0.19
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.02 (0.02)	0-0.05	0.77	0.02 (0.01)	0-0.05	0.81	0.01 (0.01)	0-0.04	0.90
May 2022	0.24 (0.05)	0.14-0.33	0.21	0.21 (0.06)	0.1-0.33	0.27	0.2 (0.05)	0.11-0.31	0.25
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0.11 (0.09)	0-0.32	0.84
Aug 2022	0.02 (0.02)	0-0.07	0.88	0.02 (0.02)	0-0.05	0.92	0.01 (0.01)	0-0.04	0.95
Sep 2022	0.03 (0.02)	0-0.08	0.88	0.02 (0.02)	0-0.05	0.94	0.01 (0.01)	0-0.04	0.94
Oct 2022	0.02 (0.02)	0-0.07	0.88	0.03 (0.02)	0-0.08	0.64	0.04 (0.02)	0-0.08	0.52
Nov 2022	0 (0)	0-0		0.02 (0.01)	0-0.05	0.86	0.04 (0.02)	0-0.07	0.51
Dec 2022	0.07 (0.04)	0-0.16	0.64	0.06 (0.03)	0-0.13	0.53	0.09 (0.04)	0.04-0.18	0.39
Jan 2023	0.07 (0.03)	0.02-0.14	0.47	0.08 (0.03)	0.02-0.15	0.41	0.06 (0.03)	0.01-0.11	0.42
Feb 2023	0.14 (0.06)	0.05-0.26	0.41	0.1 (0.04)	0.03-0.2	0.44	0.1 (0.04)	0.02-0.18	0.44

Table 24. DBS - East. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.12 (0.06)	0.03-0.24	0.47	0.12 (0.03)	0.06-0.17	0.26	0.16 (0.05)	0.06-0.26	0.32
Apr 2021	0.17 (0.06)	0.06-0.31	0.38	0.13 (0.04)	0.06-0.22	0.34	0.14 (0.04)	0.06-0.23	0.31
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.03 (0.01)	0.02-0.07	0.45	0.02 (0.02)	0-0.06	0.66
Oct 2021	0.67 (0.19)	0.33-1.06	0.29	0.67 (0.15)	0.4-0.96	0.22	0.68 (0.13)	0.44-0.96	0.19
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.02 (0.02)	0-0.05	0.77	0.02 (0.01)	0-0.05	0.81	0.01 (0.01)	0-0.04	0.90
May 2022	0.29 (0.06)	0.17-0.4	0.21	0.25 (0.07)	0.11-0.38	0.27	0.24 (0.06)	0.13-0.37	0.25
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0.12 (0.1)	0-0.35	0.84
Aug 2022	0.02 (0.02)	0-0.07	0.88	0.02 (0.02)	0-0.05	0.92	0.01 (0.01)	0-0.04	0.95
Sep 2022	0.03 (0.02)	0-0.08	0.88	0.02 (0.02)	0-0.05	0.94	0.01 (0.01)	0-0.04	0.94
Oct 2022	0.02 (0.02)	0-0.07	0.88	0.03 (0.02)	0-0.08	0.64	0.04 (0.02)	0-0.08	0.52
Nov 2022	0 (0)	0-0		0.02 (0.01)	0-0.05	0.86	0.04 (0.02)	0-0.07	0.51
Dec 2022	0.07 (0.04)	0-0.16	0.64	0.08 (0.04)	0-0.16	0.53	0.11 (0.04)	0.04-0.2	0.39
Jan 2023	0.07 (0.03)	0.02-0.14	0.47	0.1 (0.04)	0.02-0.18	0.41	0.07 (0.03)	0.01-0.13	0.42
Feb 2023	0.17 (0.07)	0.06-0.31	0.41	0.11 (0.05)	0.04-0.23	0.44	0.11 (0.05)	0.03-0.2	0.44

Table 25. DBS - East. Density (birds Per Square Km) of Razorbill recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	4.74 (0.92)	3.1-6.66	0.19	4.88 (0.74)	3.53-6.51	0.15	4.84 (0.51)	3.85-5.83	0.10
Apr 2021	0.64 (0.21)	0.24-1.07	0.33	0.77 (0.2)	0.39-1.18	0.27	1.21 (0.44)	0.47-2.19	0.36
May 2021	0.44 (0.12)	0.22-0.68	0.28	0.41 (0.1)	0.23-0.61	0.24	0.34 (0.08)	0.18-0.51	0.24
Jun 2021	0.02 (0.02)	0-0.07	0.90	0.05 (0.03)	0-0.12	0.57	0.05 (0.02)	0.01-0.1	0.47
Jul 2021	0.05 (0.03)	0-0.1	0.57	0.03 (0.02)	0-0.07	0.50	0.02 (0.01)	0-0.05	0.60
Aug 2021	0.05 (0.03)	0-0.12	0.62	0.12 (0.02)	0.08-0.16	0.19	0.12 (0.04)	0.05-0.22	0.36
Sep 2021	0.38 (0.12)	0.19-0.65	0.31	0.36 (0.09)	0.2-0.54	0.25	0.41 (0.11)	0.22-0.64	0.27
Oct 2021	0.1 (0.05)	0-0.19	0.53	0.49 (0.25)	0.07-0.91	0.52	0.55 (0.3)	0.07-1.21	0.54
Nov 2021	4.11 (0.6)	2.97-5.37	0.15	3.79 (0.34)	3.09-4.47	0.09	3.54 (0.34)	2.91-4.22	0.10
Dec 2021	0.1 (0.04)	0.02-0.19	0.43	0.13 (0.05)	0.05-0.23	0.38	0.19 (0.08)	0.06-0.36	0.41
Jan 2022	0.41 (0.11)	0.19-0.62	0.28	0.46 (0.11)	0.25-0.69	0.24	0.44 (0.1)	0.25-0.65	0.23
Feb 2022	0.79 (0.17)	0.48-1.15	0.21	0.69 (0.14)	0.43-0.96	0.20	0.52 (0.1)	0.33-0.74	0.20
Mar 2022	1.33 (0.52)	0.41-2.42	0.39	1.36 (0.63)	0.4-2.76	0.46	1.25 (0.46)	0.46-2.2	0.36
Apr 2022	0.38 (0.15)	0.1-0.69	0.40	0.38 (0.13)	0.16-0.65	0.34	0.43 (0.12)	0.22-0.66	0.27
May 2022	0.62 (0.19)	0.29-1	0.30	0.62 (0.14)	0.34-0.92	0.23	0.71 (0.14)	0.44-1.01	0.20
Jun 2022	0 (0)	0-0		0.02 (0.01)	0-0.03	0.78	0.08 (0.03)	0.02-0.16	0.40
Jul 2022	0.38 (0.11)	0.17-0.6	0.29	0.58 (0.16)	0.25-0.89	0.28	0.67 (0.16)	0.37-0.98	0.23
Aug 2022	15.38 (5.46)	5.67-26.21	0.35	14.22 (4.31)	6.21-22.66	0.30	12.24 (3.27)	6.24-18.89	0.27
Sep 2022	0.54 (0.11)	0.31-0.74	0.21	0.69 (0.1)	0.51-0.88	0.14	0.87 (0.14)	0.63-1.14	0.15
Oct 2022	4.34 (2.31)	1.06-9.5	0.53	4.13 (1.58)	1.53-7.58	0.38	4.05 (1.3)	1.99-7.04	0.32
Nov 2022	4.94 (0.59)	3.76-6.06	0.12	4.7 (0.44)	3.9-5.59	0.09	4.4 (0.42)	3.6-5.23	0.10
Dec 2022	2.35 (0.6)	1.39-3.65	0.25	2.06 (0.41)	1.41-2.97	0.20	2.6 (0.39)	1.94-3.47	0.15
Jan 2023	3.96 (1.12)	1.87-6.34	0.28	3.79 (0.85)	2.25-5.52	0.23	3.77 (0.71)	2.52-5.32	0.19
Feb 2023	4.29 (0.85)	2.65-6.01	0.20	4.03 (0.69)	2.78-5.48	0.17	4.89 (0.88)	3.36-6.77	0.18

Table 26. DBS - East. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	8.01 (1.55)	5.24-11.26	0.19	8.06 (1.23)	5.83-10.76	0.15	7.92 (0.83)	6.3-9.54	0.10
Apr 2021	1.1 (0.36)	0.41-1.83	0.33	1.28 (0.34)	0.65-1.96	0.27	1.95 (0.71)	0.75-3.54	0.36
May 2021	0.48 (0.13)	0.24-0.75	0.28	0.48 (0.11)	0.27-0.71	0.24	0.41 (0.1)	0.22-0.62	0.24
Jun 2021	0.02 (0.02)	0-0.07	0.90	0.07 (0.04)	0-0.16	0.57	0.06 (0.03)	0.02-0.12	0.47
Jul 2021	0.05 (0.03)	0-0.1	0.57	0.03 (0.02)	0-0.07	0.50	0.02 (0.01)	0-0.05	0.60
Aug 2021	0.07 (0.04)	0-0.18	0.62	0.16 (0.03)	0.12-0.24	0.19	0.17 (0.06)	0.07-0.3	0.36
Sep 2021	0.48 (0.15)	0.24-0.81	0.31	0.43 (0.11)	0.23-0.64	0.25	0.49 (0.13)	0.26-0.77	0.27
Oct 2021	0.14 (0.08)	0-0.29	0.53	0.77 (0.4)	0.1-1.43	0.52	0.84 (0.45)	0.11-1.84	0.54
Nov 2021	5.9 (0.86)	4.27-7.71	0.15	5.63 (0.51)	4.59-6.64	0.09	5.23 (0.5)	4.3-6.24	0.10
Dec 2021	0.19 (0.08)	0.05-0.39	0.43	0.28 (0.11)	0.11-0.5	0.38	0.4 (0.16)	0.13-0.75	0.41
Jan 2022	0.86 (0.24)	0.41-1.32	0.28	0.97 (0.24)	0.52-1.45	0.24	0.9 (0.21)	0.51-1.31	0.23
Feb 2022	1.85 (0.4)	1.12-2.69	0.21	1.63 (0.32)	1.01-2.25	0.20	1.22 (0.24)	0.76-1.73	0.20
Mar 2022	3.17 (1.23)	0.98-5.76	0.39	3.39 (1.57)	0.99-6.86	0.46	3.32 (1.21)	1.22-5.84	0.36
Apr 2022	0.43 (0.17)	0.11-0.78	0.40	0.46 (0.15)	0.2-0.8	0.34	0.53 (0.14)	0.26-0.8	0.27
May 2022	0.64 (0.19)	0.3-1.04	0.30	0.64 (0.15)	0.35-0.94	0.23	0.75 (0.15)	0.47-1.06	0.20
Jun 2022	0 (0)	0-0		0.02 (0.01)	0-0.03	0.78	0.08 (0.03)	0.02-0.16	0.40
Jul 2022	0.41 (0.12)	0.18-0.64	0.29	0.63 (0.18)	0.27-0.97	0.28	0.73 (0.17)	0.4-1.06	0.23
Aug 2022	16.43 (5.83)	6.06-28	0.35	15.02 (4.56)	6.56-23.94	0.30	12.96 (3.46)	6.61-20	0.27
Sep 2022	0.77 (0.16)	0.44-1.06	0.21	0.93 (0.13)	0.69-1.2	0.14	1.13 (0.17)	0.81-1.48	0.15
Oct 2022	4.61 (2.45)	1.12-10.08	0.53	4.4 (1.68)	1.62-8.06	0.38	4.3 (1.38)	2.12-7.48	0.32
Nov 2022	5.5 (0.66)	4.19-6.76	0.12	5.26 (0.49)	4.37-6.25	0.09	4.95 (0.47)	4.05-5.89	0.10
Dec 2022	2.69 (0.69)	1.6-4.19	0.25	2.41 (0.48)	1.65-3.48	0.20	3.23 (0.48)	2.42-4.31	0.15
Jan 2023	4.85 (1.38)	2.29-7.76	0.28	4.65 (1.05)	2.76-6.78	0.23	4.71 (0.89)	3.14-6.64	0.19
Feb 2023	5.25 (1.04)	3.23-7.34	0.20	4.78 (0.82)	3.3-6.51	0.17	5.71 (1.03)	3.93-7.91	0.18

Table 27. DBS - East. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	9.69 (1.87)	6.34-13.63	0.19	9.76 (1.48)	7.05-13.02	0.15	9.58 (1)	7.62-11.54	0.10
Apr 2021	1.33 (0.44)	0.49-2.22	0.33	1.54 (0.41)	0.79-2.36	0.27	2.36 (0.86)	0.91-4.28	0.36
May 2021	0.58 (0.16)	0.29-0.91	0.28	0.58 (0.14)	0.32-0.86	0.24	0.5 (0.12)	0.27-0.74	0.24
Jun 2021	0.02 (0.02)	0-0.07	0.90	0.08 (0.05)	0-0.19	0.57	0.07 (0.03)	0.02-0.15	0.47
Jul 2021	0.05 (0.03)	0-0.1	0.57	0.03 (0.02)	0-0.07	0.50	0.02 (0.01)	0-0.05	0.60
Aug 2021	0.1 (0.06)	0-0.24	0.62	0.2 (0.04)	0.14-0.28	0.19	0.21 (0.07)	0.08-0.37	0.36
Sep 2021	0.57 (0.18)	0.29-0.97	0.31	0.51 (0.13)	0.28-0.77	0.25	0.6 (0.16)	0.32-0.94	0.27
Oct 2021	0.17 (0.09)	0-0.33	0.53	0.93 (0.48)	0.12-1.73	0.52	1.01 (0.55)	0.13-2.23	0.54
Nov 2021	7.13 (1.04)	5.16-9.32	0.15	6.83 (0.62)	5.57-8.06	0.09	6.34 (0.61)	5.21-7.56	0.10
Dec 2021	0.24 (0.11)	0.06-0.49	0.43	0.35 (0.13)	0.13-0.61	0.38	0.49 (0.2)	0.15-0.91	0.41
Jan 2022	1.06 (0.3)	0.5-1.62	0.28	1.16 (0.28)	0.62-1.75	0.24	1.09 (0.26)	0.62-1.59	0.23
Feb 2022	2.23 (0.48)	1.35-3.25	0.21	1.98 (0.39)	1.22-2.73	0.20	1.47 (0.29)	0.92-2.09	0.20
Mar 2022	3.85 (1.49)	1.19-7	0.39	4.1 (1.9)	1.2-8.3	0.46	4.03 (1.47)	1.48-7.08	0.36
Apr 2022	0.52 (0.21)	0.13-0.95	0.40	0.56 (0.19)	0.24-0.97	0.34	0.63 (0.17)	0.32-0.97	0.27
May 2022	0.79 (0.24)	0.36-1.27	0.30	0.77 (0.18)	0.43-1.13	0.23	0.9 (0.18)	0.57-1.28	0.20
Jun 2022	0 (0)	0-0		0.02 (0.01)	0-0.03	0.78	0.1 (0.04)	0.03-0.18	0.40
Jul 2022	0.5 (0.15)	0.22-0.79	0.29	0.76 (0.22)	0.33-1.17	0.28	0.89 (0.21)	0.49-1.3	0.23
Aug 2022	19.89 (7.06)	7.34-33.89	0.35	18.18 (5.51)	7.94-28.97	0.30	15.69 (4.19)	8-24.22	0.27
Sep 2022	0.92 (0.19)	0.53-1.27	0.21	1.13 (0.16)	0.84-1.44	0.14	1.37 (0.21)	0.99-1.79	0.15
Oct 2022	5.59 (2.97)	1.36-12.23	0.53	5.33 (2.04)	1.97-9.77	0.38	5.22 (1.68)	2.57-9.07	0.32
Nov 2022	6.65 (0.8)	5.07-8.17	0.12	6.37 (0.59)	5.28-7.57	0.09	6 (0.57)	4.91-7.14	0.10
Dec 2022	3.25 (0.83)	1.93-5.05	0.25	2.92 (0.58)	1.99-4.22	0.20	3.91 (0.58)	2.93-5.22	0.15
Jan 2023	5.88 (1.67)	2.78-9.41	0.28	5.62 (1.26)	3.34-8.2	0.23	5.7 (1.08)	3.8-8.03	0.19
Feb 2023	6.34 (1.26)	3.91-8.88	0.20	5.79 (0.99)	4-7.89	0.17	6.92 (1.25)	4.76-9.58	0.18

Table 28. DBS - East. Density (birds Per Square Km) of Small gull species recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0.14 (0.14)	0-0.43	1.00	0.1 (0.1)	0-0.3	1.00	0.07 (0.07)	0-0.22	1.01
Sep 2021	0.02 (0.02)	0-0.07	1.04	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	1.00
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0.02 (0.02)	0-0.07	1.01	0.02 (0.02)	0-0.05	1.01	0.01 (0.01)	0-0.04	1.02
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0.31 (0.13)	0.1-0.58	0.42	0.23 (0.09)	0.08-0.43	0.40	0.18 (0.07)	0.05-0.34	0.39
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.07 (0.07)	0-0.21	1.00	0.07 (0.05)	0-0.18	0.76	0.06 (0.04)	0-0.14	0.65
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0.09 (0.05)	0.02-0.21	0.50	0.06 (0.03)	0.02-0.13	0.51	0.05 (0.02)	0.01-0.09	0.49
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	1.02



Table 29. DBS - East. Density (birds Per Square Km) of Tern species recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.1 (0.07)	0-0.29	0.79	0.07 (0.05)	0-0.18	0.78	0.11 (0.07)	0-0.25	0.64
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 30. DBSouth - West. Density (birds Per Square Km) of Arctic skua recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 31. DBSouth - West. Density (birds Per Square Km) of Arctic tern recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 32. DBSouth - West. Density (birds Per Square Km) of Black-backed gull species recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0.02 (0.02)	0-0.07	1	0.02 (0.02)	0-0.05	1.06	0.01 (0.01)	0-0.04	0.98
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 33. DBSouth - West. Density (birds Per Square Km) of Commic tern recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0.31 (0.28)	0-0.93	0.91	0.21 (0.2)	0-0.64	0.93	0.16 (0.13)	0-0.47	0.81
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.12 (0.07)	0-0.26	0.57	0.08 (0.05)	0-0.18	0.63	0.32 (0.15)	0.05-0.63	0.46
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 34. DBSouth - West. Density (birds Per Square Km) of Common gull recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.07 (0.05)	0-0.19	0.72	0.08 (0.05)	0-0.18	0.58	0.06 (0.04)	0-0.13	0.60
Sep 2022	0.1 (0.08)	0-0.29	0.82	0.07 (0.06)	0-0.2	0.88	0.05 (0.04)	0-0.14	0.86
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 35. DBSouth - West. Density (birds Per Square Km) of Common tern recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 36. DBSouth - West. Density (birds Per Square Km) of Fulmar recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.17 (0.08)	0.02-0.34	0.48	0.12 (0.05)	0.03-0.22	0.43	0.09 (0.03)	0.04-0.13	0.30
Apr 2021	0.35 (0.33)	0-1.06	0.92	0.24 (0.2)	0-0.73	0.83	0.18 (0.11)	0-0.36	0.59
May 2021	0.02 (0.02)	0-0.07	0.91	0.03 (0.02)	0-0.07	0.56	0.05 (0.02)	0.01-0.08	0.36
Jun 2021	0.05 (0.03)	0-0.12	0.64	0.1 (0.05)	0.02-0.21	0.55	0.07 (0.03)	0.01-0.13	0.38
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.62
Aug 2021	0.07 (0.04)	0-0.14	0.53	0.08 (0.03)	0.02-0.14	0.42	0.16 (0.04)	0.08-0.26	0.27
Sep 2021	0.07 (0.03)	0-0.14	0.48	0.07 (0.02)	0.02-0.12	0.34	0.06 (0.02)	0.04-0.08	0.25
Oct 2021	0.05 (0.03)	0-0.12	0.64	0.03 (0.02)	0-0.06	0.55	0.02 (0.01)	0.01-0.04	0.39
Nov 2021	0.08 (0.05)	0-0.19	0.55	0.19 (0.09)	0.04-0.38	0.49	0.21 (0.06)	0.1-0.32	0.28
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0.02 (0.01)	0-0.05	0.82	0.01 (0.01)	0-0.02	0.60
Feb 2022	0.09 (0.05)	0-0.19	0.53	0.08 (0.03)	0.02-0.14	0.44	0.06 (0.02)	0.03-0.09	0.27
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.59
May 2022	0.02 (0.02)	0-0.07	0.92	0.03 (0.02)	0-0.07	0.57	0.05 (0.01)	0.02-0.07	0.29
Jun 2022	0.02 (0.02)	0-0.07	0.94	0.05 (0.03)	0-0.1	0.57	0.05 (0.02)	0.01-0.08	0.36
Jul 2022	0.14 (0.06)	0.02-0.28	0.46	0.11 (0.04)	0.03-0.21	0.37	0.08 (0.02)	0.05-0.12	0.24
Aug 2022	0.05 (0.04)	0-0.14	0.90	0.03 (0.03)	0-0.07	0.78	0.02 (0.01)	0-0.05	0.55
Sep 2022	0.02 (0.02)	0-0.07	0.88	0.02 (0.01)	0-0.05	0.80	0.04 (0.01)	0.01-0.06	0.34
Oct 2022	0.14 (0.06)	0.05-0.26	0.43	0.11 (0.04)	0.03-0.2	0.37	0.1 (0.02)	0.05-0.13	0.23
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0.15 (0.08)	0-0.29	0.53
Jan 2023	0.07 (0.03)	0-0.14	0.50	0.06 (0.03)	0.02-0.11	0.44	0.07 (0.02)	0.04-0.11	0.22
Feb 2023	0.73 (0.21)	0.35-1.16	0.28	0.79 (0.11)	0.58-1.02	0.14	0.75 (0.08)	0.57-0.9	0.11



Table 37. DBSouth - West. Density (birds Per Square Km) of Gannet recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.05 (0.04)	0-0.12	0.77	0.07 (0.03)	0.02-0.12	0.43	0.06 (0.03)	0.01-0.11	0.41
Apr 2021	0.8 (0.21)	0.42-1.2	0.26	0.68 (0.14)	0.4-0.96	0.21	0.54 (0.11)	0.31-0.75	0.21
May 2021	0.35 (0.1)	0.16-0.56	0.29	0.28 (0.07)	0.15-0.41	0.25	0.38 (0.11)	0.17-0.61	0.30
Jun 2021	0.07 (0.03)	0.02-0.12	0.39	0.07 (0.02)	0.03-0.1	0.23	0.07 (0.02)	0.04-0.11	0.26
Jul 2021	0.14 (0.08)	0-0.31	0.56	0.1 (0.05)	0.02-0.2	0.52	0.07 (0.04)	0-0.14	0.54
Aug 2021	0.33 (0.07)	0.19-0.47	0.23	0.4 (0.05)	0.32-0.48	0.11	0.33 (0.04)	0.25-0.41	0.13
Sep 2021	0.1 (0.04)	0.02-0.17	0.38	0.13 (0.02)	0.08-0.18	0.18	0.19 (0.04)	0.12-0.28	0.21
Oct 2021	0.36 (0.11)	0.14-0.57	0.32	0.26 (0.09)	0.08-0.44	0.36	0.2 (0.07)	0.08-0.33	0.33
Nov 2021	0.14 (0.11)	0-0.42	0.81	0.1 (0.06)	0-0.19	0.67	0.12 (0.07)	0-0.25	0.54
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0.19 (0.11)	0.02-0.39	0.56	0.38 (0.11)	0.17-0.59	0.29
Apr 2022	0.5 (0.13)	0.28-0.76	0.25	0.48 (0.11)	0.27-0.68	0.22	0.43 (0.09)	0.27-0.62	0.22
May 2022	0.09 (0.07)	0-0.24	0.69	0.26 (0.08)	0.12-0.43	0.32	0.34 (0.08)	0.18-0.5	0.25
Jun 2022	0.17 (0.05)	0.07-0.26	0.32	0.13 (0.03)	0.06-0.18	0.23	0.13 (0.03)	0.07-0.18	0.21
Jul 2022	0.42 (0.16)	0.14-0.75	0.37	0.52 (0.1)	0.34-0.7	0.18	0.42 (0.08)	0.25-0.58	0.20
Aug 2022	0.41 (0.14)	0.17-0.7	0.35	0.41 (0.09)	0.23-0.59	0.22	0.35 (0.08)	0.19-0.51	0.23
Sep 2022	0.65 (0.34)	0.1-1.29	0.53	0.69 (0.25)	0.23-1.18	0.36	0.61 (0.26)	0.18-1.12	0.43
Oct 2022	1.88 (0.41)	1.14-2.72	0.21	1.71 (0.24)	1.22-2.2	0.14	1.41 (0.19)	1.05-1.77	0.13
Nov 2022	0.43 (0.12)	0.19-0.67	0.28	0.31 (0.09)	0.15-0.48	0.28	0.25 (0.06)	0.13-0.36	0.25
Dec 2022	0.22 (0.06)	0.1-0.34	0.29	0.15 (0.05)	0.07-0.23	0.31	0.23 (0.09)	0.07-0.41	0.37
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0.05 (0.03)	0-0.09	0.59	0.03 (0.02)	0-0.06	0.57	0.02 (0.01)	0-0.05	0.55

Table 38. DBSouth - West. Density (birds Per Square Km) of Great black-backed gull recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0.02 (0.02)	0-0.06	1.02	0.01 (0.01)	0-0.04	0.97
Dec 2021	0.1 (0.1)	0-0.29	1.02	0.08 (0.07)	0-0.23	0.81	0.06 (0.05)	0-0.17	0.84
Jan 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.98	0.05 (0.03)	0-0.12	0.62
Feb 2022	0.05 (0.03)	0-0.12	0.69	0.05 (0.03)	0-0.11	0.54	0.07 (0.03)	0.02-0.13	0.39
Mar 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.02)	0-0.07	0.99
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.05 (0.05)	0-0.14	0.95	0.03 (0.03)	0-0.1	0.97	0.02 (0.02)	0-0.07	0.97
Sep 2022	0.07 (0.05)	0-0.19	0.74	0.16 (0.12)	0-0.44	0.73	0.12 (0.08)	0-0.32	0.69
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.07 (0.05)	0-0.19	0.73	0.05 (0.04)	0-0.13	0.76	0.05 (0.03)	0-0.11	0.60
Jan 2023	0.09 (0.05)	0.02-0.19	0.49	0.06 (0.03)	0.02-0.13	0.50	0.05 (0.02)	0.01-0.09	0.50
Feb 2023	0.02 (0.02)	0-0.07	0.99	0.11 (0.1)	0-0.32	0.88	0.08 (0.07)	0-0.24	0.89

Table 39. DBSouth - West. Density (birds Per Square Km) of Great northern diver recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	1.01
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 40. DBSouth - West. Density (birds Per Square Km) of Great skua recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 41. DBSouth - West. Density (birds Per Square Km) of Guillemot recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	5.55 (0.81)	3.91-6.93	0.15	6.93 (0.75)	5.47-8.33	0.11	9.14 (1.14)	6.92-11.39	0.13
Apr 2021	10.73 (1.44)	7.9-13.58	0.13	10.02 (1.34)	7.55-12.6	0.13	8.99 (1.04)	6.88-10.91	0.12
May 2021	1.34 (0.22)	0.92-1.79	0.17	1.16 (0.16)	0.86-1.5	0.14	1.38 (0.21)	1-1.8	0.15
Jun 2021	1.59 (0.22)	1.21-2.03	0.14	2.07 (0.21)	1.66-2.47	0.10	1.96 (0.29)	1.4-2.53	0.15
Jul 2021	8.87 (0.98)	7.17-10.84	0.11	8.66 (0.7)	7.28-10.02	0.08	9.01 (0.67)	7.65-10.32	0.07
Aug 2021	2.76 (0.38)	2.06-3.51	0.14	2.92 (0.37)	2.21-3.63	0.13	3.31 (0.42)	2.49-4.1	0.13
Sep 2021	1.25 (0.23)	0.84-1.73	0.18	1.48 (0.21)	1.07-1.87	0.14	2.09 (0.29)	1.56-2.64	0.14
Oct 2021	1.62 (0.23)	1.17-2.07	0.14	1.79 (0.26)	1.3-2.29	0.14	1.68 (0.2)	1.29-2.06	0.12
Nov 2021	7.14 (1.06)	5.08-9.06	0.15	6.94 (0.78)	5.42-8.46	0.11	7.51 (0.67)	6.2-8.8	0.09
Dec 2021	1.28 (0.31)	0.7-1.88	0.24	1.75 (0.46)	0.87-2.62	0.26	1.62 (0.34)	1-2.3	0.21
Jan 2022	1.68 (0.34)	1-2.32	0.20	2.42 (0.59)	1.31-3.53	0.24	2.37 (0.42)	1.58-3.23	0.18
Feb 2022	2.67 (0.41)	1.83-3.41	0.15	2.74 (0.48)	1.83-3.65	0.17	3.09 (0.35)	2.42-3.79	0.11
Mar 2022	1.4 (0.34)	0.75-2.05	0.24	1.84 (0.27)	1.31-2.33	0.15	3.4 (0.83)	1.85-5.01	0.24
Apr 2022	6.3 (0.89)	4.64-7.99	0.14	6.63 (0.97)	4.73-8.49	0.15	6.79 (0.97)	4.95-8.72	0.14
May 2022	13.1 (1.43)	10.48-16.01	0.11	12.49 (1.09)	10.37-14.6	0.09	13.15 (0.88)	11.47-14.85	0.07
Jun 2022	3.23 (0.95)	1.47-5.04	0.29	2.82 (0.74)	1.53-4.25	0.26	2.56 (0.63)	1.43-3.8	0.24
Jul 2022	8.99 (2.11)	5.21-13.02	0.23	9.34 (1.95)	5.47-12.89	0.21	8.34 (1.6)	5.57-11.61	0.19
Aug 2022	36.46 (8.34)	20.14-52.94	0.23	31.24 (6.65)	18.67-44.38	0.21	30.83 (8.15)	15.95-46.53	0.26
Sep 2022	1.94 (0.32)	1.29-2.61	0.17	2.03 (0.31)	1.47-2.66	0.15	2.13 (0.28)	1.61-2.67	0.13
Oct 2022	3.67 (0.65)	2.43-4.94	0.18	3.64 (0.64)	2.41-4.88	0.18	3.64 (0.4)	2.83-4.44	0.11
Nov 2022	6.98 (0.9)	5.08-8.74	0.13	6.92 (0.85)	5.27-8.59	0.12	6.7 (0.62)	5.47-7.88	0.09
Dec 2022	12.68 (2.26)	8.29-16.78	0.18	13.34 (1.68)	10.1-16.49	0.13	12.61 (1.52)	9.65-15.49	0.12
Jan 2023	4.38 (0.52)	3.36-5.4	0.12	3.98 (0.5)	2.98-4.95	0.13	3.83 (0.44)	2.92-4.63	0.12
Feb 2023	21.3 (2.95)	15.61-27.08	0.14	19.68 (2.22)	15.39-23.91	0.11	18.89 (1.73)	15.7-22.45	0.09

Table 42. DBSouth - West. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	8.71 (1.27)	6.14-10.87	0.15	11.23 (1.21)	8.88-13.5	0.11	14.67 (1.84)	11.11-18.29	0.13
Apr 2021	18.29 (2.46)	13.47-23.16	0.13	17.39 (2.32)	13.09-21.86	0.13	15.86 (1.84)	12.14-19.25	0.12
May 2021	1.6 (0.26)	1.09-2.13	0.17	1.45 (0.2)	1.08-1.88	0.14	1.66 (0.25)	1.2-2.18	0.15
Jun 2021	1.76 (0.25)	1.34-2.24	0.14	2.19 (0.22)	1.76-2.61	0.10	2.07 (0.31)	1.48-2.67	0.15
Jul 2021	9.3 (1.02)	7.51-11.37	0.11	9.02 (0.73)	7.58-10.44	0.08	9.39 (0.7)	7.98-10.76	0.07
Aug 2021	3.25 (0.44)	2.42-4.13	0.14	3.69 (0.46)	2.78-4.58	0.13	4.22 (0.54)	3.17-5.22	0.13
Sep 2021	1.51 (0.27)	1.02-2.09	0.18	1.99 (0.29)	1.44-2.52	0.14	2.7 (0.37)	2.02-3.42	0.14
Oct 2021	2.78 (0.4)	2.01-3.56	0.14	2.89 (0.41)	2.1-3.71	0.14	2.86 (0.34)	2.19-3.51	0.12
Nov 2021	10.14 (1.5)	7.22-12.87	0.15	9.96 (1.11)	7.78-12.14	0.11	10.86 (0.98)	8.98-12.73	0.09
Dec 2021	2.67 (0.64)	1.46-3.93	0.24	4.01 (1.05)	1.99-6	0.26	3.98 (0.84)	2.45-5.64	0.21
Jan 2022	4.12 (0.84)	2.44-5.69	0.20	5.56 (1.35)	3-8.11	0.24	5.3 (0.94)	3.54-7.21	0.18
Feb 2022	5.32 (0.82)	3.65-6.8	0.15	5.3 (0.93)	3.55-7.06	0.17	5.89 (0.66)	4.62-7.23	0.11
Mar 2022	5.29 (1.29)	2.82-7.75	0.24	5.03 (0.74)	3.57-6.35	0.15	8.66 (2.11)	4.72-12.75	0.24
Apr 2022	7.54 (1.06)	5.55-9.55	0.14	7.73 (1.14)	5.51-9.9	0.15	7.91 (1.13)	5.76-10.15	0.14
May 2022	13.62 (1.48)	10.9-16.65	0.11	13.05 (1.14)	10.84-15.25	0.09	13.75 (0.92)	12-15.53	0.07
Jun 2022	3.3 (0.97)	1.5-5.15	0.29	2.89 (0.76)	1.56-4.35	0.26	2.62 (0.64)	1.46-3.89	0.24
Jul 2022	9.53 (2.23)	5.52-13.8	0.23	9.89 (2.06)	5.8-13.66	0.21	8.82 (1.7)	5.9-12.29	0.19
Aug 2022	37.82 (8.65)	20.9-54.93	0.23	33.04 (7.03)	19.75-46.94	0.21	32.55 (8.6)	16.84-49.13	0.26
Sep 2022	2.34 (0.39)	1.56-3.15	0.17	2.66 (0.41)	1.93-3.5	0.15	2.78 (0.36)	2.09-3.49	0.13
Oct 2022	4.27 (0.75)	2.83-5.74	0.18	4.29 (0.76)	2.84-5.75	0.18	4.32 (0.48)	3.36-5.27	0.11
Nov 2022	7.77 (1)	5.65-9.72	0.13	7.89 (0.97)	6.01-9.79	0.12	7.69 (0.72)	6.29-9.06	0.09
Dec 2022	14.78 (2.63)	9.66-19.55	0.18	15.81 (2)	11.97-19.55	0.13	14.75 (1.78)	11.28-18.12	0.12
Jan 2023	5.16 (0.61)	3.96-6.37	0.12	4.77 (0.61)	3.57-5.94	0.13	4.55 (0.53)	3.48-5.51	0.12
Feb 2023	24.86 (3.44)	18.22-31.62	0.14	23.41 (2.64)	18.31-28.44	0.11	22.48 (2.06)	18.68-26.72	0.09

Table 43. DBSouth - West. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	11.42 (1.66)	8.04-14.25	0.15	14.72 (1.59)	11.63-17.7	0.11	19.22 (2.41)	14.56-23.97	0.13
Apr 2021	23.97 (3.22)	17.65-30.35	0.13	22.8 (3.04)	17.16-28.66	0.13	20.8 (2.42)	15.92-25.24	0.12
May 2021	2.09 (0.34)	1.43-2.79	0.17	1.9 (0.26)	1.42-2.47	0.14	2.18 (0.33)	1.58-2.86	0.15
Jun 2021	2.32 (0.32)	1.76-2.95	0.14	2.86 (0.29)	2.3-3.41	0.10	2.71 (0.41)	1.94-3.5	0.15
Jul 2021	12.2 (1.34)	9.85-14.9	0.11	11.82 (0.96)	9.94-13.68	0.08	12.31 (0.92)	10.46-14.1	0.07
Aug 2021	4.26 (0.58)	3.17-5.41	0.14	4.84 (0.61)	3.65-6.01	0.13	5.53 (0.7)	4.16-6.85	0.13
Sep 2021	1.99 (0.36)	1.34-2.76	0.18	2.61 (0.38)	1.89-3.31	0.14	3.55 (0.49)	2.65-4.49	0.14
Oct 2021	3.64 (0.52)	2.62-4.66	0.14	3.79 (0.54)	2.75-4.85	0.14	3.76 (0.44)	2.88-4.61	0.12
Nov 2021	13.31 (1.97)	9.48-16.88	0.15	13.06 (1.46)	10.19-15.92	0.11	14.25 (1.28)	11.77-16.7	0.09
Dec 2021	3.51 (0.84)	1.92-5.17	0.24	5.26 (1.38)	2.6-7.87	0.26	5.22 (1.1)	3.21-7.39	0.21
Jan 2022	5.4 (1.1)	3.2-7.46	0.20	7.29 (1.77)	3.94-10.64	0.24	6.94 (1.23)	4.64-9.45	0.18
Feb 2022	6.97 (1.07)	4.79-8.91	0.15	6.96 (1.22)	4.65-9.27	0.17	7.71 (0.87)	6.05-9.47	0.11
Mar 2022	6.94 (1.69)	3.7-10.18	0.24	6.59 (0.96)	4.68-8.33	0.15	11.36 (2.77)	6.19-16.72	0.24
Apr 2022	9.88 (1.39)	7.28-12.52	0.14	10.14 (1.49)	7.23-12.97	0.15	10.37 (1.49)	7.56-13.3	0.14
May 2022	17.86 (1.95)	14.3-21.85	0.11	17.11 (1.49)	14.21-20	0.09	18.03 (1.21)	15.73-20.36	0.07
Jun 2022	4.32 (1.28)	1.97-6.74	0.29	3.78 (1)	2.04-5.7	0.26	3.43 (0.84)	1.91-5.09	0.24
Jul 2022	12.48 (2.93)	7.23-18.09	0.23	12.96 (2.7)	7.59-17.89	0.21	11.56 (2.22)	7.73-16.1	0.19
Aug 2022	49.58 (11.34)	27.39-71.99	0.23	43.31 (9.22)	25.89-61.53	0.21	42.67 (11.27)	22.08-64.41	0.26
Sep 2022	3.06 (0.51)	2.04-4.12	0.17	3.5 (0.54)	2.54-4.6	0.15	3.65 (0.48)	2.74-4.57	0.13
Oct 2022	5.6 (0.98)	3.71-7.53	0.18	5.63 (0.99)	3.72-7.54	0.18	5.67 (0.63)	4.4-6.91	0.11
Nov 2022	10.19 (1.31)	7.42-12.76	0.13	10.35 (1.27)	7.89-12.84	0.12	10.08 (0.94)	8.24-11.87	0.09
Dec 2022	19.38 (3.45)	12.67-25.65	0.18	20.73 (2.62)	15.69-25.63	0.13	19.34 (2.33)	14.79-23.75	0.12
Jan 2023	6.76 (0.8)	5.19-8.34	0.12	6.25 (0.79)	4.68-7.78	0.13	5.97 (0.69)	4.56-7.23	0.12
Feb 2023	32.58 (4.51)	23.88-41.43	0.14	30.69 (3.45)	23.99-37.28	0.11	29.48 (2.7)	24.5-35.03	0.09

Table 44. DBSouth - West. Density (birds Per Square Km) of Herring gull recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	1.00
Apr 2021	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	0.96	0.01 (0.01)	0-0.04	0.95
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.07	0.95	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.05	1.02
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	1.00
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



Table 45. DBSouth - West. Density (birds Per Square Km) of Kittiwake recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	2.32 (0.46)	1.42-3.19	0.20	2.25 (0.37)	1.55-2.97	0.16	2.94 (0.51)	1.96-4.07	0.17
Apr 2021	3.56 (0.7)	2.26-5.12	0.20	3.38 (0.65)	2.2-4.81	0.19	2.99 (0.45)	2.22-3.91	0.15
May 2021	1.71 (0.39)	1.06-2.54	0.23	1.5 (0.28)	0.96-2.08	0.19	1.6 (0.25)	1.14-2.15	0.16
Jun 2021	0.46 (0.25)	0.05-1.02	0.55	0.49 (0.2)	0.15-0.92	0.41	0.48 (0.17)	0.18-0.87	0.36
Jul 2021	0.28 (0.18)	0-0.69	0.64	0.23 (0.13)	0.02-0.52	0.57	0.17 (0.1)	0.01-0.38	0.58
Aug 2021	0.07 (0.05)	0-0.19	0.72	0.05 (0.03)	0-0.13	0.72	0.04 (0.03)	0-0.09	0.71
Sep 2021	0.36 (0.18)	0.05-0.74	0.50	0.28 (0.16)	0.03-0.62	0.57	0.37 (0.14)	0.14-0.69	0.36
Oct 2021	0.12 (0.07)	0-0.26	0.56	0.13 (0.06)	0.03-0.26	0.43	0.13 (0.05)	0.05-0.24	0.37
Nov 2021	0.11 (0.08)	0-0.31	0.72	0.1 (0.06)	0-0.23	0.60	0.18 (0.12)	0.01-0.44	0.64
Dec 2021	0.14 (0.13)	0-0.43	0.93	0.1 (0.09)	0-0.29	0.93	0.07 (0.07)	0-0.22	0.98
Jan 2022	0.36 (0.1)	0.19-0.57	0.28	1.01 (0.37)	0.42-1.85	0.36	0.9 (0.27)	0.44-1.45	0.30
Feb 2022	0.3 (0.11)	0.12-0.53	0.37	0.29 (0.1)	0.13-0.48	0.33	0.23 (0.08)	0.09-0.41	0.33
Mar 2022	0.98 (0.35)	0.37-1.75	0.36	4.1 (2.34)	1-9.34	0.57	3.81 (1.78)	1.38-7.7	0.47
Apr 2022	3.41 (0.77)	1.99-5	0.23	3 (0.57)	1.99-4.13	0.19	2.91 (0.48)	2.01-3.94	0.17
May 2022	1.16 (0.5)	0.4-2.37	0.43	1.13 (0.36)	0.53-1.86	0.32	1.04 (0.28)	0.57-1.65	0.27
Jun 2022	0.95 (0.47)	0.1-1.95	0.49	0.8 (0.36)	0.18-1.56	0.46	0.64 (0.33)	0.12-1.39	0.51
Jul 2022	2.35 (0.53)	1.41-3.43	0.22	2.03 (0.38)	1.28-2.78	0.19	2.03 (0.44)	1.26-2.96	0.22
Aug 2022	14.58 (7.61)	3.16-31.11	0.52	13.66 (6.1)	3.39-27.1	0.45	11.19 (4.53)	3.89-21.02	0.40
Sep 2022	17.98 (14.31)	0.57-50.82	0.80	15.26 (10.96)	1.06-39.59	0.72	11.33 (8.45)	0.55-30.22	0.75
Oct 2022	2.24 (0.49)	1.43-3.39	0.22	2.18 (0.46)	1.32-3.12	0.21	1.84 (0.36)	1.18-2.58	0.20
Nov 2022	0.62 (0.23)	0.21-1.12	0.38	0.58 (0.17)	0.28-0.94	0.30	0.65 (0.17)	0.34-1.01	0.26
Dec 2022	10.2 (2.94)	5.11-16.61	0.29	9.43 (2.04)	5.94-13.98	0.22	10.06 (1.81)	7.03-13.93	0.18
Jan 2023	1.27 (0.36)	0.65-2.06	0.28	1.66 (0.44)	0.88-2.59	0.27	2.45 (0.66)	1.31-3.87	0.27
Feb 2023	4.6 (2.18)	1.18-9.61	0.47	3.45 (1.45)	1.03-6.52	0.42	2.81 (1.08)	1.03-5.1	0.38

Table 46. DBSouth - West. Density (birds Per Square Km) of Large gull species recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	1.03	0.02 (0.02)	0-0.06	0.67
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	0.98
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.03 (0.03)	0-0.08	0.99	0.02 (0.02)	0-0.06	0.97	0.01 (0.01)	0-0.04	0.99
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.07	0.96	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	0.96
Sep 2022	0.02 (0.02)	0-0.07	0.98	0.02 (0.02)	0-0.05	0.97	0.01 (0.01)	0-0.04	0.99
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 47. DBSouth - West. Density (birds Per Square Km) of Lesser black-backed gull recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0.05 (0.05)	0-0.15	1.01	0.04 (0.03)	0-0.11	0.97
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 48. DBSouth - West. Density (birds Per Square Km) of Little auk recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0.05 (0.05)	0-0.14	0.98	0.07 (0.05)	0-0.16	0.71	0.05 (0.03)	0-0.12	0.71
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.05 (0.03)	0-0.12	0.68	0.05 (0.03)	0-0.12	0.56	0.07 (0.03)	0.01-0.15	0.47
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 49. DBSouth - West. Density (birds Per Square Km) of Little gull recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.02 (0.02)	0-0.07	1	0.02 (0.02)	0-0.07	1.05	0.01 (0.01)	0-0.04	0.98
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 50. DBSouth - West. Density (birds Per Square Km) of Puffin recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.17 (0.05)	0.07-0.27	0.32	0.13 (0.04)	0.07-0.2	0.27	0.12 (0.03)	0.07-0.17	0.23
Apr 2021	0.4 (0.06)	0.28-0.52	0.16	0.36 (0.04)	0.28-0.44	0.12	0.35 (0.05)	0.26-0.43	0.13
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.06 (0.03)	0-0.12	0.58
Aug 2021	0.07 (0.03)	0-0.14	0.50	0.06 (0.03)	0-0.13	0.53	0.05 (0.02)	0.01-0.08	0.43
Sep 2021	0.07 (0.04)	0-0.14	0.50	0.05 (0.03)	0-0.1	0.68	0.06 (0.02)	0.01-0.1	0.38
Oct 2021	0.4 (0.12)	0.19-0.64	0.30	0.45 (0.1)	0.28-0.65	0.22	0.47 (0.09)	0.29-0.64	0.20
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.26 (0.07)	0.12-0.4	0.28	0.18 (0.06)	0.07-0.3	0.36	0.17 (0.05)	0.07-0.26	0.29
Jun 2022	0.05 (0.03)	0-0.1	0.69	0.03 (0.02)	0-0.06	0.71	0.02 (0.02)	0-0.05	0.72
Jul 2022	0.09 (0.05)	0-0.19	0.50	0.21 (0.1)	0.05-0.39	0.45	0.15 (0.07)	0.02-0.28	0.47
Aug 2022	0.17 (0.07)	0.05-0.29	0.41	0.13 (0.05)	0.05-0.21	0.35	0.1 (0.03)	0.04-0.16	0.35
Sep 2022	0.02 (0.02)	0-0.05	0.71	0.02 (0.01)	0-0.03	0.70	0.01 (0.01)	0-0.02	0.74
Oct 2022	0.07 (0.03)	0.02-0.12	0.37	0.16 (0.07)	0.05-0.28	0.43	0.16 (0.06)	0.05-0.27	0.38
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.12 (0.05)	0.02-0.24	0.45	0.08 (0.04)	0-0.17	0.45	0.06 (0.03)	0-0.12	0.46
Jan 2023	0.05 (0.02)	0-0.09	0.47	0.03 (0.02)	0-0.06	0.49	0.04 (0.01)	0.02-0.05	0.24
Feb 2023	0.02 (0.02)	0-0.05	0.70	0.02 (0.01)	0-0.03	0.71	0.02 (0.01)	0-0.05	0.52

Table 51. DBSouth - West. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.17 (0.05)	0.07-0.27	0.32	0.13 (0.04)	0.07-0.2	0.27	0.12 (0.03)	0.07-0.17	0.23
Apr 2021	0.4 (0.06)	0.28-0.52	0.16	0.36 (0.04)	0.28-0.44	0.12	0.35 (0.05)	0.26-0.43	0.13
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.06 (0.03)	0-0.12	0.58
Aug 2021	0.07 (0.03)	0-0.14	0.50	0.06 (0.03)	0-0.13	0.53	0.05 (0.02)	0.01-0.08	0.43
Sep 2021	0.07 (0.04)	0-0.14	0.50	0.05 (0.03)	0-0.1	0.68	0.06 (0.02)	0.01-0.1	0.38
Oct 2021	0.43 (0.13)	0.2-0.68	0.30	0.49 (0.11)	0.3-0.7	0.22	0.5 (0.1)	0.31-0.69	0.20
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.26 (0.07)	0.12-0.4	0.28	0.18 (0.06)	0.07-0.3	0.36	0.17 (0.05)	0.07-0.26	0.29
Jun 2022	0.05 (0.03)	0-0.1	0.69	0.03 (0.02)	0-0.06	0.71	0.02 (0.02)	0-0.05	0.72
Jul 2022	0.09 (0.05)	0-0.19	0.50	0.21 (0.1)	0.05-0.39	0.45	0.15 (0.07)	0.02-0.28	0.47
Aug 2022	0.17 (0.07)	0.05-0.29	0.41	0.13 (0.05)	0.05-0.21	0.35	0.1 (0.03)	0.04-0.16	0.35
Sep 2022	0.02 (0.02)	0-0.05	0.71	0.02 (0.01)	0-0.03	0.70	0.01 (0.01)	0-0.02	0.74
Oct 2022	0.07 (0.03)	0.02-0.12	0.37	0.16 (0.07)	0.05-0.28	0.43	0.16 (0.06)	0.05-0.27	0.38
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.12 (0.05)	0.02-0.24	0.45	0.08 (0.04)	0-0.17	0.45	0.06 (0.03)	0-0.12	0.46
Jan 2023	0.05 (0.02)	0-0.09	0.47	0.03 (0.02)	0-0.06	0.49	0.04 (0.01)	0.02-0.05	0.24
Feb 2023	0.02 (0.02)	0-0.05	0.70	0.02 (0.01)	0-0.03	0.71	0.02 (0.01)	0-0.05	0.52

Table 52. DBSouth - West. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.19 (0.06)	0.08-0.3	0.32	0.15 (0.04)	0.08-0.23	0.27	0.15 (0.03)	0.09-0.21	0.23
Apr 2021	0.47 (0.08)	0.33-0.61	0.16	0.42 (0.05)	0.33-0.52	0.12	0.41 (0.05)	0.31-0.5	0.13
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.07 (0.04)	0-0.14	0.58
Aug 2021	0.07 (0.03)	0-0.14	0.50	0.08 (0.04)	0-0.16	0.53	0.06 (0.03)	0.01-0.1	0.43
Sep 2021	0.07 (0.04)	0-0.14	0.50	0.05 (0.03)	0-0.1	0.68	0.07 (0.03)	0.01-0.12	0.38
Oct 2021	0.5 (0.15)	0.24-0.79	0.30	0.57 (0.12)	0.35-0.81	0.22	0.58 (0.12)	0.36-0.81	0.20
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.31 (0.09)	0.14-0.48	0.28	0.21 (0.08)	0.08-0.35	0.36	0.19 (0.06)	0.08-0.3	0.29
Jun 2022	0.05 (0.03)	0-0.1	0.69	0.03 (0.02)	0-0.06	0.71	0.02 (0.02)	0-0.05	0.72
Jul 2022	0.12 (0.06)	0-0.23	0.50	0.24 (0.11)	0.06-0.45	0.45	0.18 (0.08)	0.03-0.33	0.47
Aug 2022	0.19 (0.08)	0.05-0.33	0.41	0.15 (0.05)	0.06-0.24	0.35	0.11 (0.04)	0.04-0.18	0.35
Sep 2022	0.02 (0.02)	0-0.05	0.71	0.02 (0.01)	0-0.03	0.70	0.01 (0.01)	0-0.02	0.74
Oct 2022	0.07 (0.03)	0.02-0.12	0.37	0.2 (0.08)	0.06-0.33	0.43	0.18 (0.07)	0.06-0.32	0.38
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.14 (0.06)	0.03-0.29	0.45	0.1 (0.05)	0-0.2	0.45	0.07 (0.03)	0-0.15	0.46
Jan 2023	0.05 (0.02)	0-0.09	0.47	0.03 (0.02)	0-0.06	0.49	0.04 (0.01)	0.02-0.05	0.24
Feb 2023	0.02 (0.02)	0-0.05	0.70	0.02 (0.01)	0-0.03	0.71	0.02 (0.01)	0-0.05	0.52



Table 53. DBSouth - West. Density (birds Per Square Km) of Razorbill recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.89 (0.28)	0.43-1.52	0.32	1 (0.23)	0.58-1.49	0.23	1.36 (0.25)	0.91-1.86	0.18
Apr 2021	3.47 (0.79)	2.05-5.16	0.23	3.27 (0.52)	2.38-4.32	0.16	2.77 (0.48)	1.88-3.71	0.17
May 2021	0.49 (0.18)	0.19-0.87	0.36	0.47 (0.15)	0.2-0.77	0.31	0.52 (0.12)	0.3-0.77	0.24
Jun 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	1.00	0.08 (0.05)	0-0.19	0.58
Jul 2021	0.07 (0.05)	0-0.19	0.71	0.05 (0.03)	0-0.13	0.70	0.04 (0.02)	0-0.1	0.67
Aug 2021	0.05 (0.03)	0-0.12	0.65	0.03 (0.02)	0-0.08	0.67	0.15 (0.07)	0.04-0.31	0.47
Sep 2021	0.12 (0.06)	0.02-0.24	0.50	0.12 (0.05)	0.03-0.21	0.40	0.13 (0.04)	0.05-0.22	0.32
Oct 2021	0.45 (0.17)	0.17-0.81	0.37	0.44 (0.11)	0.23-0.65	0.25	0.39 (0.1)	0.23-0.63	0.26
Nov 2021	0.33 (0.11)	0.14-0.58	0.32	0.27 (0.09)	0.11-0.46	0.33	0.33 (0.09)	0.18-0.53	0.26
Dec 2021	1.35 (0.44)	0.6-2.31	0.33	1.16 (0.28)	0.66-1.72	0.24	0.93 (0.26)	0.43-1.47	0.28
Jan 2022	1.07 (0.3)	0.52-1.66	0.28	1.42 (0.45)	0.65-2.39	0.32	1.49 (0.38)	0.87-2.33	0.25
Feb 2022	0.44 (0.15)	0.19-0.77	0.33	0.4 (0.12)	0.19-0.65	0.29	0.33 (0.08)	0.16-0.49	0.25
Mar 2022	0.26 (0.12)	0.07-0.51	0.46	2.62 (1.75)	0.4-6.42	0.67	2.26 (1.26)	0.53-5.09	0.56
Apr 2022	1.37 (0.46)	0.52-2.35	0.34	1.18 (0.37)	0.53-1.99	0.32	1.03 (0.33)	0.43-1.7	0.32
May 2022	0.5 (0.14)	0.26-0.76	0.27	0.51 (0.11)	0.31-0.74	0.22	0.5 (0.09)	0.34-0.68	0.17
Jun 2022	0.21 (0.09)	0.07-0.43	0.43	0.21 (0.07)	0.08-0.36	0.35	0.19 (0.07)	0.06-0.33	0.36
Jul 2022	0.99 (0.4)	0.26-1.83	0.41	0.78 (0.27)	0.29-1.35	0.35	0.72 (0.22)	0.32-1.21	0.31
Aug 2022	5.47 (2.65)	1.37-11.8	0.49	4.88 (1.95)	1.47-9	0.40	5.47 (2.13)	1.9-10	0.39
Sep 2022	14.13 (10.82)	0.84-39.15	0.77	11.6 (7.47)	1.4-29.18	0.64	9.55 (6.18)	1.43-23.75	0.65
Oct 2022	0.6 (0.17)	0.29-0.95	0.29	0.85 (0.24)	0.41-1.37	0.28	0.92 (0.25)	0.5-1.43	0.27
Nov 2022	2.4 (0.45)	1.54-3.37	0.19	2.03 (0.32)	1.47-2.7	0.16	1.93 (0.28)	1.4-2.5	0.15
Dec 2022	10.82 (2)	7.21-15.12	0.18	11.33 (1.7)	8.07-14.53	0.15	10.74 (1.73)	7.47-14.18	0.16
Jan 2023	9.84 (1.75)	6.69-13.41	0.18	8.99 (1.25)	6.65-11.57	0.14	8.97 (1.21)	6.53-11.18	0.13
Feb 2023	7.56 (1.32)	5.31-10.55	0.17	7.5 (1.07)	5.63-9.71	0.14	7.55 (0.87)	5.89-9.24	0.12

Table 54. DBSouth - West. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	1.4 (0.44)	0.68-2.38	0.32	1.62 (0.38)	0.94-2.4	0.23	2.19 (0.4)	1.47-3	0.18
Apr 2021	5.92 (1.34)	3.5-8.82	0.23	5.67 (0.89)	4.12-7.49	0.16	4.87 (0.84)	3.32-6.53	0.17
May 2021	0.61 (0.22)	0.23-1.08	0.36	0.59 (0.18)	0.24-0.95	0.31	0.64 (0.15)	0.36-0.95	0.24
Jun 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	1.00	0.08 (0.05)	0-0.19	0.58
Jul 2021	0.07 (0.05)	0-0.19	0.71	0.05 (0.03)	0-0.13	0.70	0.04 (0.02)	0-0.1	0.67
Aug 2021	0.05 (0.03)	0-0.12	0.65	0.03 (0.02)	0-0.08	0.67	0.19 (0.09)	0.04-0.38	0.47
Sep 2021	0.14 (0.07)	0.03-0.29	0.50	0.15 (0.06)	0.04-0.27	0.40	0.17 (0.05)	0.06-0.28	0.32
Oct 2021	0.76 (0.28)	0.28-1.36	0.37	0.71 (0.18)	0.37-1.06	0.25	0.67 (0.17)	0.38-1.07	0.26
Nov 2021	0.47 (0.15)	0.2-0.83	0.32	0.38 (0.13)	0.16-0.65	0.33	0.47 (0.12)	0.26-0.75	0.26
Dec 2021	2.84 (0.93)	1.27-4.87	0.33	2.65 (0.63)	1.49-3.93	0.24	2.26 (0.64)	1.06-3.59	0.28
Jan 2022	2.61 (0.73)	1.27-4.06	0.28	3.27 (1.03)	1.5-5.49	0.32	3.32 (0.84)	1.94-5.21	0.25
Feb 2022	0.88 (0.29)	0.37-1.53	0.33	0.76 (0.22)	0.37-1.25	0.29	0.62 (0.16)	0.31-0.93	0.25
Mar 2022	0.95 (0.44)	0.26-1.91	0.46	7.14 (4.77)	1.1-17.5	0.67	5.74 (3.22)	1.35-12.96	0.56
Apr 2022	1.63 (0.55)	0.62-2.79	0.34	1.36 (0.43)	0.61-2.28	0.32	1.2 (0.38)	0.5-1.97	0.32
May 2022	0.52 (0.14)	0.27-0.8	0.27	0.53 (0.12)	0.32-0.76	0.22	0.52 (0.09)	0.34-0.7	0.17
Jun 2022	0.21 (0.09)	0.07-0.43	0.43	0.21 (0.07)	0.08-0.36	0.35	0.19 (0.07)	0.06-0.33	0.36
Jul 2022	1.03 (0.42)	0.27-1.92	0.41	0.83 (0.29)	0.31-1.43	0.35	0.77 (0.24)	0.34-1.29	0.31
Aug 2022	5.68 (2.76)	1.42-12.27	0.49	5.16 (2.06)	1.56-9.51	0.40	5.77 (2.25)	2-10.55	0.39
Sep 2022	16.95 (12.98)	1-46.97	0.77	15.26 (9.83)	1.85-38.38	0.64	12.45 (8.06)	1.86-30.97	0.65
Oct 2022	0.69 (0.2)	0.33-1.11	0.29	1.01 (0.29)	0.48-1.63	0.28	1.1 (0.3)	0.6-1.71	0.27
Nov 2022	2.68 (0.5)	1.73-3.77	0.19	2.31 (0.36)	1.67-3.08	0.16	2.22 (0.32)	1.61-2.87	0.15
Dec 2022	12.61 (2.32)	8.39-17.61	0.18	13.42 (2.01)	9.56-17.22	0.15	12.57 (2.02)	8.74-16.6	0.16
Jan 2023	11.58 (2.06)	7.87-15.77	0.18	10.79 (1.51)	7.98-13.88	0.14	10.69 (1.44)	7.78-13.33	0.13
Feb 2023	8.83 (1.54)	6.21-12.34	0.17	8.94 (1.28)	6.71-11.57	0.14	8.98 (1.03)	7-10.98	0.12

Table 55. DBSouth - West. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	1.69 (0.53)	0.82-2.88	0.32	1.95 (0.46)	1.14-2.9	0.23	2.66 (0.48)	1.78-3.63	0.18
Apr 2021	7.17 (1.63)	4.24-10.68	0.23	6.87 (1.08)	5-9.08	0.16	5.9 (1.02)	4.02-7.91	0.17
May 2021	0.73 (0.26)	0.28-1.28	0.36	0.72 (0.22)	0.3-1.16	0.31	0.77 (0.18)	0.44-1.14	0.24
Jun 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	1.00	0.1 (0.06)	0-0.22	0.58
Jul 2021	0.09 (0.07)	0-0.25	0.71	0.07 (0.05)	0-0.17	0.70	0.05 (0.03)	0-0.13	0.67
Aug 2021	0.05 (0.03)	0-0.12	0.65	0.03 (0.02)	0-0.08	0.67	0.22 (0.1)	0.05-0.45	0.47
Sep 2021	0.17 (0.08)	0.03-0.34	0.50	0.18 (0.07)	0.05-0.34	0.40	0.21 (0.06)	0.07-0.34	0.32
Oct 2021	0.93 (0.35)	0.34-1.66	0.37	0.86 (0.21)	0.45-1.28	0.25	0.81 (0.21)	0.47-1.3	0.26
Nov 2021	0.58 (0.19)	0.24-1.02	0.32	0.46 (0.15)	0.2-0.78	0.33	0.57 (0.15)	0.31-0.9	0.26
Dec 2021	3.44 (1.13)	1.54-5.9	0.33	3.21 (0.76)	1.81-4.75	0.24	2.74 (0.78)	1.28-4.35	0.28
Jan 2022	3.15 (0.88)	1.54-4.9	0.28	3.95 (1.25)	1.82-6.64	0.32	4.02 (1.02)	2.35-6.31	0.25
Feb 2022	1.07 (0.35)	0.45-1.86	0.33	0.92 (0.27)	0.44-1.51	0.29	0.75 (0.19)	0.37-1.12	0.25
Mar 2022	1.16 (0.53)	0.32-2.33	0.46	8.65 (5.77)	1.33-21.19	0.67	6.96 (3.9)	1.64-15.71	0.56
Apr 2022	1.99 (0.67)	0.75-3.4	0.34	1.65 (0.52)	0.74-2.77	0.32	1.45 (0.46)	0.6-2.38	0.32
May 2022	0.64 (0.17)	0.34-0.98	0.27	0.64 (0.14)	0.39-0.93	0.22	0.62 (0.11)	0.42-0.85	0.17
Jun 2022	0.26 (0.11)	0.09-0.52	0.43	0.26 (0.09)	0.1-0.44	0.35	0.23 (0.08)	0.07-0.4	0.36
Jul 2022	1.24 (0.5)	0.33-2.31	0.41	1.01 (0.35)	0.38-1.74	0.35	0.94 (0.29)	0.41-1.57	0.31
Aug 2022	6.88 (3.34)	1.72-14.86	0.49	6.24 (2.49)	1.88-11.5	0.40	6.99 (2.72)	2.42-12.77	0.39
Sep 2022	20.54 (15.73)	1.22-56.9	0.77	18.48 (11.9)	2.24-46.48	0.64	15.08 (9.76)	2.25-37.5	0.65
Oct 2022	0.83 (0.24)	0.4-1.34	0.29	1.22 (0.35)	0.59-1.97	0.28	1.32 (0.36)	0.72-2.06	0.27
Nov 2022	3.25 (0.61)	2.09-4.58	0.19	2.8 (0.44)	2.03-3.74	0.16	2.69 (0.39)	1.95-3.47	0.15
Dec 2022	15.26 (2.81)	10.16-21.31	0.18	16.24 (2.44)	11.57-20.84	0.15	15.21 (2.45)	10.58-20.09	0.16
Jan 2023	14.03 (2.5)	9.54-19.12	0.18	13.07 (1.82)	9.67-16.81	0.14	12.95 (1.74)	9.42-16.14	0.13
Feb 2023	10.7 (1.86)	7.52-14.94	0.17	10.83 (1.55)	8.12-14.01	0.14	10.87 (1.25)	8.48-13.3	0.12

Table 56. DBSouth - West. Density (birds Per Square Km) of Red-throated diver recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	1.04
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 57. DBSouth - West. Density (birds Per Square Km) of Skua species recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 58. DBSouth - West. Density (birds Per Square Km) of Small gull species recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	1.02	0.04 (0.03)	0-0.1	0.77
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.07 (0.04)	0-0.17	0.59	0.07 (0.03)	0.02-0.13	0.49	0.05 (0.02)	0.01-0.1	0.47
Sep 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	1.01	0.01 (0.01)	0-0.04	0.97
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0.02 (0.02)	0-0.07	1.01	0.02 (0.02)	0-0.05	0.97	0.01 (0.01)	0-0.04	0.94
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0.05 (0.03)	0-0.12	0.69	0.03 (0.02)	0-0.08	0.71	0.02 (0.02)	0-0.06	0.70

Table 59. DBSouth - West. Density (birds Per Square Km) of Tern species recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 60. DBS - East & West. Density (birds Per Square Km) of Arctic skua recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



Table 61. DBS - East & West. Density (birds Per Square Km) of Arctic tern recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 62. DBS - East & West. Density (birds Per Square Km) of Black-backed gull species recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0.02 (0.02)	0-0.06	0.72	0.02 (0.01)	0-0.05	0.72	0.01 (0.01)	0-0.04	0.7
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 63. DBS - East & West. Density (birds Per Square Km) of Commic tern recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0.16 (0.14)	0-0.47	0.91	0.11 (0.1)	0-0.32	0.92	0.08 (0.06)	0-0.24	0.81
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.23 (0.17)	0-0.6	0.75	0.15 (0.12)	0-0.43	0.74	0.31 (0.13)	0.02-0.7	0.41
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 64. DBS - East & West. Density (birds Per Square Km) of Common gull recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.06 (0.03)	0-0.13	0.57	0.06 (0.03)	0-0.14	0.50	0.04 (0.02)	0-0.1	0.52
Sep 2022	0.05 (0.04)	0-0.15	0.85	0.03 (0.03)	0-0.1	0.90	0.02 (0.02)	0-0.07	0.88
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0.01 (0.01)	0-0.04	0.99	0.01 (0.01)	0-0.02	1.02	0.01 (0.01)	0-0.02	0.99

Table 65. DBS - East & West. Density (birds Per Square Km) of Common scoter recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	1	0.01 (0.01)	0-0.04	1.03
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 66. DBS - East & West. Density (birds Per Square Km) of Common tern recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 67. DBS - East & West. Density (birds Per Square Km) of Fulmar recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.09 (0.04)	0.01-0.17	0.47	0.06 (0.03)	0.02-0.11	0.43	0.04 (0.01)	0.02-0.07	0.30
Apr 2021	0.18 (0.16)	0-0.53	0.92	0.13 (0.1)	0-0.39	0.78	0.12 (0.06)	0-0.26	0.47
May 2021	0.01 (0.01)	0-0.04	0.91	0.02 (0.01)	0-0.03	0.56	0.02 (0.01)	0.01-0.04	0.36
Jun 2021	0.02 (0.02)	0-0.06	0.64	0.07 (0.03)	0.01-0.15	0.44	0.05 (0.02)	0.01-0.09	0.32
Jul 2021	0.01 (0.01)	0-0.04	0.95	0.01 (0.01)	0-0.02	0.93	0.01 (0.01)	0-0.03	0.53
Aug 2021	0.04 (0.02)	0-0.07	0.53	0.04 (0.02)	0.01-0.07	0.42	0.08 (0.02)	0.04-0.13	0.27
Sep 2021	0.2 (0.06)	0.11-0.32	0.28	0.2 (0.04)	0.1-0.31	0.22	0.2 (0.04)	0.12-0.29	0.19
Oct 2021	0.05 (0.02)	0.01-0.1	0.47	0.03 (0.01)	0-0.07	0.42	0.02 (0.01)	0.01-0.04	0.35
Nov 2021	0.08 (0.03)	0.03-0.14	0.38	0.12 (0.04)	0.02-0.24	0.37	0.15 (0.03)	0.07-0.23	0.21
Dec 2021	0.01 (0.01)	0-0.04	0.96	0.01 (0.01)	0-0.02	0.95	0.01 (0.01)	0-0.02	0.89
Jan 2022	0.02 (0.02)	0-0.06	0.71	0.02 (0.01)	0-0.07	0.53	0.02 (0.01)	0-0.04	0.47
Feb 2022	0.06 (0.03)	0.01-0.12	0.46	0.05 (0.02)	0.01-0.1	0.40	0.04 (0.01)	0.02-0.07	0.27
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0)	0-0.01	0.59
May 2022	0.02 (0.02)	0-0.06	0.66	0.02 (0.01)	0-0.06	0.47	0.05 (0.01)	0.02-0.08	0.25
Jun 2022	0.01 (0.01)	0-0.04	0.94	0.02 (0.01)	0-0.05	0.57	0.02 (0.01)	0.01-0.04	0.35
Jul 2022	0.09 (0.04)	0.04-0.17	0.37	0.07 (0.02)	0.02-0.15	0.33	0.05 (0.01)	0.02-0.08	0.22
Aug 2022	0.05 (0.03)	0-0.11	0.57	0.03 (0.02)	0-0.07	0.51	0.02 (0.01)	0-0.05	0.42
Sep 2022	0.02 (0.02)	0-0.06	0.65	0.02 (0.01)	0-0.05	0.61	0.04 (0.01)	0.01-0.07	0.28
Oct 2022	0.23 (0.07)	0.11-0.38	0.31	0.33 (0.07)	0.15-0.5	0.21	0.43 (0.06)	0.3-0.57	0.14
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.91
Dec 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	0.97	0.1 (0.04)	0.01-0.19	0.38
Jan 2023	0.18 (0.1)	0.05-0.4	0.54	0.13 (0.07)	0.02-0.31	0.54	0.14 (0.05)	0.04-0.27	0.36
Feb 2023	0.5 (0.12)	0.3-0.74	0.23	0.52 (0.07)	0.34-0.71	0.13	0.48 (0.05)	0.34-0.61	0.11

Table 68. DBS - East & West. Density (birds Per Square Km) of Gannet recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.7 (0.16)	0.42-1.04	0.23	0.52 (0.11)	0.29-0.75	0.21	0.44 (0.09)	0.25-0.64	0.20
Apr 2021	0.53 (0.11)	0.32-0.76	0.21	0.49 (0.08)	0.29-0.69	0.16	0.38 (0.06)	0.22-0.56	0.16
May 2021	0.24 (0.06)	0.13-0.36	0.24	0.18 (0.04)	0.08-0.29	0.22	0.24 (0.06)	0.1-0.39	0.25
Jun 2021	0.07 (0.02)	0.04-0.12	0.31	0.07 (0.02)	0.02-0.12	0.26	0.06 (0.01)	0.02-0.1	0.24
Jul 2021	0.08 (0.04)	0.01-0.17	0.49	0.07 (0.03)	0.02-0.15	0.39	0.06 (0.02)	0.01-0.12	0.38
Aug 2021	0.2 (0.04)	0.13-0.28	0.20	0.25 (0.03)	0.19-0.32	0.11	0.2 (0.03)	0.14-0.27	0.13
Sep 2021	0.11 (0.02)	0.06-0.16	0.22	0.12 (0.02)	0.07-0.18	0.16	0.17 (0.03)	0.1-0.25	0.16
Oct 2021	0.31 (0.07)	0.18-0.44	0.21	0.29 (0.06)	0.13-0.46	0.20	0.29 (0.05)	0.15-0.43	0.17
Nov 2021	0.07 (0.05)	0-0.19	0.76	0.06 (0.03)	0-0.12	0.56	0.07 (0.03)	0-0.14	0.47
Dec 2021	0.01 (0.01)	0-0.04	0.83	0.01 (0.01)	0-0.02	0.86	0.01 (0.01)	0-0.02	0.92
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0.82 (0.21)	0.4-1.23	0.25	0.85 (0.24)	0.35-1.43	0.28	1.31 (0.48)	0.45-2.49	0.37
Apr 2022	0.55 (0.12)	0.34-0.78	0.21	0.5 (0.09)	0.27-0.73	0.18	0.48 (0.07)	0.31-0.67	0.14
May 2022	0.1 (0.04)	0.02-0.18	0.41	0.19 (0.05)	0.07-0.31	0.24	0.21 (0.04)	0.1-0.33	0.21
Jun 2022	0.1 (0.03)	0.05-0.15	0.30	0.07 (0.02)	0.03-0.11	0.22	0.08 (0.02)	0.04-0.12	0.20
Jul 2022	0.3 (0.09)	0.14-0.47	0.29	0.36 (0.06)	0.21-0.52	0.16	0.31 (0.05)	0.18-0.44	0.15
Aug 2022	0.36 (0.08)	0.2-0.53	0.24	0.34 (0.06)	0.18-0.5	0.17	0.29 (0.05)	0.16-0.43	0.17
Sep 2022	0.34 (0.18)	0.06-0.68	0.52	0.36 (0.13)	0.12-0.62	0.36	0.34 (0.14)	0.1-0.63	0.40
Oct 2022	1.65 (0.27)	1.15-2.2	0.17	1.67 (0.22)	1.09-2.29	0.13	1.37 (0.17)	0.94-1.84	0.12
Nov 2022	0.54 (0.12)	0.34-0.8	0.22	0.4 (0.09)	0.18-0.64	0.23	0.34 (0.07)	0.17-0.51	0.20
Dec 2022	0.19 (0.07)	0.07-0.33	0.35	0.13 (0.05)	0.03-0.27	0.37	0.17 (0.05)	0.05-0.34	0.31
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0.19 (0.14)	0.01-0.51	0.72	0.13 (0.1)	0-0.36	0.76	0.09 (0.07)	0-0.27	0.79



Table 69. DBS - East & West. Density (birds Per Square Km) of Great black-backed gull recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0.02 (0.01)	0-0.05	0.71	0.01 (0.01)	0-0.04	0.67
Dec 2021	0.06 (0.05)	0-0.17	0.84	0.05 (0.03)	0-0.14	0.70	0.04 (0.03)	0-0.12	0.62
Jan 2022	0.07 (0.03)	0.01-0.14	0.47	0.07 (0.03)	0.02-0.13	0.40	0.13 (0.04)	0.04-0.25	0.34
Feb 2022	0.02 (0.02)	0-0.06	0.70	0.03 (0.02)	0-0.08	0.47	0.05 (0.02)	0.01-0.09	0.33
Mar 2022	0.12 (0.05)	0.04-0.23	0.40	0.09 (0.03)	0.02-0.16	0.38	0.12 (0.04)	0.04-0.22	0.31
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.07	0.94	0.02 (0.02)	0-0.05	0.97	0.02 (0.02)	0-0.07	0.70
Sep 2022	0.04 (0.03)	0-0.1	0.76	0.08 (0.06)	0-0.22	0.75	0.06 (0.04)	0-0.16	0.71
Oct 2022	0 (0)	0-0		0.04 (0.04)	0-0.12	1.04	0.03 (0.03)	0-0.09	1.03
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	1.04
Dec 2022	0.04 (0.03)	0-0.09	0.71	0.04 (0.02)	0-0.11	0.60	0.04 (0.02)	0-0.1	0.46
Jan 2023	0.18 (0.08)	0.06-0.35	0.44	0.12 (0.06)	0.02-0.27	0.47	0.12 (0.04)	0.03-0.23	0.37
Feb 2023	0.06 (0.04)	0-0.15	0.66	0.1 (0.06)	0-0.27	0.59	0.08 (0.04)	0.01-0.21	0.52

Table 70. DBS - East & West. Density (birds Per Square Km) of Great northern diver recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.99
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 71. DBS - East & West. Density (birds Per Square Km) of Great skua recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 72. DBS - East & West. Density (birds Per Square Km) of Guillemot recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	7.51 (0.8)	5.93-9.1	0.11	7.88 (0.64)	6.18-9.56	0.08	8.75 (0.7)	6.85-10.64	0.08
Apr 2021	7.48 (0.82)	5.85-9	0.11	7.61 (0.81)	5.51-9.85	0.11	8.27 (1.15)	5.72-11.64	0.14
May 2021	0.83 (0.12)	0.63-1.07	0.14	0.72 (0.09)	0.51-0.96	0.12	0.9 (0.11)	0.65-1.2	0.12
Jun 2021	0.97 (0.12)	0.74-1.21	0.13	1.21 (0.11)	0.94-1.49	0.09	1.16 (0.15)	0.82-1.52	0.13
Jul 2021	7.41 (0.6)	6.31-8.6	0.08	7.56 (0.48)	6.28-8.89	0.06	8.06 (0.49)	6.71-9.39	0.06
Aug 2021	2.72 (0.32)	2.13-3.39	0.12	2.68 (0.27)	1.95-3.43	0.10	3.22 (0.35)	2.33-4.19	0.11
Sep 2021	1.68 (0.2)	1.28-2.1	0.12	2.13 (0.2)	1.6-2.67	0.09	2.84 (0.26)	2.18-3.57	0.09
Oct 2021	1.29 (0.14)	1.02-1.57	0.11	1.54 (0.15)	1.14-1.95	0.10	1.67 (0.24)	1.15-2.33	0.14
Nov 2021	10.84 (0.92)	9.31-12.88	0.08	10.64 (0.65)	8.89-12.36	0.06	10.95 (0.53)	9.6-12.34	0.05
Dec 2021	1.49 (0.22)	1.08-1.93	0.15	1.63 (0.26)	0.96-2.31	0.16	1.67 (0.2)	1.17-2.21	0.12
Jan 2022	1.15 (0.18)	0.81-1.48	0.16	1.59 (0.3)	0.93-2.26	0.19	1.63 (0.22)	1.11-2.18	0.13
Feb 2022	3 (0.31)	2.39-3.57	0.10	2.95 (0.3)	2.16-3.74	0.10	3.06 (0.22)	2.45-3.67	0.07
Mar 2022	3.14 (0.65)	1.96-4.38	0.21	3.15 (0.51)	2-4.41	0.16	3.83 (0.58)	2.27-5.57	0.15
Apr 2022	4.52 (0.5)	3.54-5.48	0.11	4.47 (0.53)	3.13-5.75	0.12	4.59 (0.52)	3.36-5.88	0.11
May 2022	9.68 (0.83)	8.1-11.33	0.09	9.55 (0.61)	7.92-11.17	0.06	10.1 (0.51)	8.81-11.44	0.05
Jun 2022	1.81 (0.48)	0.91-2.72	0.27	1.64 (0.38)	0.9-2.44	0.23	1.58 (0.32)	0.92-2.31	0.20
Jul 2022	7.92 (1.17)	5.8-10.29	0.15	7.89 (1.08)	5.07-10.55	0.14	7.75 (0.91)	5.5-10.37	0.12
Aug 2022	28.49 (5.42)	17.84-39.49	0.19	24.94 (4.14)	14.34-36.57	0.17	24.68 (4.49)	13.57-36.64	0.18
Sep 2022	1.57 (0.2)	1.16-1.98	0.13	1.6 (0.18)	1.18-2.08	0.11	1.74 (0.16)	1.32-2.16	0.09
Oct 2022	4.68 (0.57)	3.58-5.78	0.12	4.81 (0.45)	3.61-6.08	0.09	4.85 (0.33)	3.96-5.78	0.07
Nov 2022	10.98 (1.14)	8.85-13.36	0.10	10.43 (0.86)	8.18-12.71	0.08	9.7 (0.64)	8.05-11.45	0.07
Dec 2022	10.7 (1.29)	8.26-13.07	0.12	10.71 (0.96)	8.24-13.23	0.09	10.63 (0.81)	8.52-12.75	0.08
Jan 2023	4.67 (0.44)	3.81-5.52	0.09	4.51 (0.41)	3.43-5.68	0.09	4.64 (0.37)	3.62-5.67	0.08
Feb 2023	14.02 (1.53)	11.07-16.92	0.11	13.44 (1.19)	10.38-16.45	0.09	13.37 (0.99)	10.83-16.14	0.07

Table 73. DBS - East & West. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	12.36 (1.33)	9.79-15.03	0.11	12.92 (1.05)	10.14-15.67	0.08	14.16 (1.13)	11.09-17.23	0.08
Apr 2021	12.77 (1.4)	10-15.36	0.11	12.99 (1.39)	9.42-16.8	0.11	14.02 (1.95)	9.75-19.59	0.14
May 2021	0.97 (0.14)	0.74-1.26	0.14	0.89 (0.11)	0.63-1.19	0.12	1.09 (0.13)	0.78-1.44	0.12
Jun 2021	1.11 (0.14)	0.84-1.38	0.13	1.3 (0.12)	1-1.6	0.09	1.26 (0.17)	0.89-1.66	0.13
Jul 2021	7.71 (0.62)	6.57-8.94	0.08	7.86 (0.5)	6.53-9.24	0.06	8.38 (0.51)	6.98-9.77	0.06
Aug 2021	3.45 (0.41)	2.7-4.29	0.12	3.56 (0.36)	2.59-4.58	0.10	4.4 (0.47)	3.18-5.75	0.11
Sep 2021	2.09 (0.25)	1.59-2.6	0.12	2.65 (0.25)	1.99-3.33	0.09	3.51 (0.32)	2.69-4.42	0.09
Oct 2021	2.1 (0.23)	1.69-2.59	0.11	2.45 (0.24)	1.82-3.1	0.10	2.7 (0.39)	1.86-3.73	0.14
Nov 2021	15.55 (1.32)	13.35-18.48	0.08	15.65 (0.96)	13.08-18.16	0.06	16.06 (0.78)	14.08-18.09	0.05
Dec 2021	3.13 (0.46)	2.27-4.07	0.15	3.61 (0.57)	2.11-5.14	0.16	3.74 (0.45)	2.6-4.99	0.12
Jan 2022	2.7 (0.42)	1.91-3.48	0.16	3.58 (0.67)	2.07-5.09	0.19	3.55 (0.47)	2.42-4.75	0.13
Feb 2022	6.55 (0.68)	5.21-7.8	0.10	6.39 (0.64)	4.71-8.07	0.10	6.51 (0.46)	5.23-7.79	0.07
Mar 2022	8.46 (1.74)	5.25-11.74	0.21	8.07 (1.32)	5.14-11.26	0.16	9.96 (1.5)	5.92-14.48	0.15
Apr 2022	5.36 (0.59)	4.18-6.47	0.11	5.3 (0.62)	3.71-6.82	0.12	5.4 (0.61)	3.95-6.91	0.11
May 2022	10.08 (0.86)	8.43-11.79	0.09	9.98 (0.64)	8.28-11.67	0.06	10.55 (0.53)	9.2-11.94	0.05
Jun 2022	1.85 (0.49)	0.93-2.79	0.27	1.69 (0.39)	0.93-2.52	0.23	1.63 (0.33)	0.95-2.38	0.20
Jul 2022	8.47 (1.25)	6.19-10.98	0.15	8.47 (1.16)	5.45-11.32	0.14	8.31 (0.98)	5.9-11.12	0.12
Aug 2022	29.85 (5.69)	18.76-41.52	0.19	26.35 (4.38)	15.15-38.64	0.17	26.09 (4.74)	14.35-38.73	0.18
Sep 2022	2.03 (0.24)	1.42-2.41	0.12	2.14 (0.24)	1.58-2.78	0.11	2.26 (0.21)	1.72-2.81	0.09
Oct 2022	5.16 (0.63)	3.9-6.31	0.12	5.34 (0.49)	3.99-6.76	0.09	5.38 (0.36)	4.38-6.42	0.07
Nov 2022	12.26 (1.27)	9.88-14.92	0.10	11.74 (0.96)	9.2-14.29	0.08	10.98 (0.73)	9.11-12.96	0.07
Dec 2022	12.42 (1.5)	9.59-15.17	0.12	12.65 (1.13)	9.73-15.62	0.09	12.74 (0.97)	10.23-15.27	0.08
Jan 2023	5.63 (0.52)	4.55-6.59	0.09	5.46 (0.49)	4.17-6.88	0.09	5.68 (0.45)	4.43-6.94	0.08
Feb 2023	16.55 (1.81)	13.09-20.02	0.11	15.97 (1.42)	12.33-19.54	0.09	15.83 (1.17)	12.83-19.1	0.07

Table 74. DBS - East & West. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	16.2 (1.74)	12.84-19.7	0.11	16.93 (1.38)	13.28-20.54	0.08	18.57 (1.48)	14.53-22.59	0.08
Apr 2021	16.73 (1.83)	13.11-20.15	0.11	17.04 (1.82)	12.35-22.03	0.11	18.38 (2.56)	12.78-25.69	0.14
May 2021	1.27 (0.18)	0.98-1.66	0.15	1.17 (0.14)	0.83-1.56	0.12	1.43 (0.17)	1.02-1.9	0.12
Jun 2021	1.46 (0.18)	1.1-1.8	0.13	1.7 (0.16)	1.31-2.09	0.09	1.65 (0.22)	1.16-2.18	0.13
Jul 2021	10.12 (0.82)	8.61-11.73	0.08	10.3 (0.66)	8.56-12.1	0.06	10.98 (0.66)	9.15-12.8	0.06
Aug 2021	4.51 (0.54)	3.54-5.63	0.12	4.67 (0.48)	3.4-6	0.10	5.77 (0.62)	4.17-7.53	0.11
Sep 2021	2.75 (0.33)	2.08-3.4	0.12	3.48 (0.33)	2.62-4.37	0.09	4.6 (0.42)	3.54-5.79	0.09
Oct 2021	2.74 (0.3)	2.21-3.39	0.11	3.21 (0.31)	2.38-4.06	0.10	3.54 (0.51)	2.45-4.89	0.14
Nov 2021	20.4 (1.73)	17.5-24.22	0.08	20.52 (1.25)	17.15-23.81	0.06	21.06 (1.03)	18.47-23.72	0.05
Dec 2021	4.11 (0.61)	2.97-5.35	0.15	4.73 (0.75)	2.77-6.74	0.16	4.9 (0.58)	3.4-6.54	0.12
Jan 2022	3.53 (0.55)	2.5-4.56	0.16	4.7 (0.88)	2.72-6.68	0.19	4.65 (0.62)	3.17-6.23	0.13
Feb 2022	8.59 (0.89)	6.84-10.23	0.10	8.38 (0.84)	6.18-10.59	0.10	8.53 (0.61)	6.85-10.2	0.07
Mar 2022	11.09 (2.28)	6.88-15.39	0.21	10.58 (1.73)	6.74-14.76	0.16	13.05 (1.97)	7.77-18.98	0.15
Apr 2022	7.02 (0.77)	5.49-8.49	0.11	6.94 (0.82)	4.86-8.94	0.12	7.08 (0.8)	5.18-9.06	0.11
May 2022	13.23 (1.13)	11.06-15.46	0.09	13.08 (0.84)	10.85-15.3	0.06	13.83 (0.7)	12.06-15.65	0.05
Jun 2022	2.43 (0.65)	1.22-3.65	0.27	2.22 (0.51)	1.22-3.3	0.23	2.13 (0.43)	1.24-3.11	0.20
Jul 2022	11.1 (1.64)	8.12-14.4	0.15	11.1 (1.52)	7.15-14.84	0.14	10.9 (1.28)	7.73-14.57	0.12
Aug 2022	39.14 (7.47)	24.6-54.44	0.19	34.55 (5.74)	19.86-50.65	0.17	34.2 (6.22)	18.81-50.77	0.18
Sep 2022	2.66 (0.32)	1.86-3.17	0.12	2.8 (0.31)	2.07-3.64	0.11	2.96 (0.28)	2.25-3.68	0.09
Oct 2022	6.77 (0.82)	5.12-8.27	0.12	7.01 (0.65)	5.24-8.87	0.09	7.06 (0.47)	5.75-8.41	0.07
Nov 2022	16.08 (1.66)	12.95-19.56	0.10	15.39 (1.26)	12.06-18.74	0.08	14.39 (0.95)	11.94-16.99	0.07
Dec 2022	16.29 (1.97)	12.57-19.89	0.12	16.58 (1.49)	12.76-20.47	0.09	16.7 (1.27)	13.41-20.02	0.08
Jan 2023	7.37 (0.68)	5.96-8.64	0.09	7.16 (0.65)	5.46-9.02	0.09	7.44 (0.59)	5.81-9.09	0.08
Feb 2023	21.7 (2.37)	17.17-26.24	0.11	20.94 (1.86)	16.16-25.62	0.09	20.75 (1.54)	16.82-25.04	0.07

Table 75. DBS - East & West. Density (birds Per Square Km) of Herring gull recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.04 (0.02)	0-0.08	0.55	0.03 (0.02)	0.01-0.07	0.50	0.03 (0.01)	0.01-0.07	0.45
Apr 2021	0.01 (0.01)	0-0.04	0.99	0.01 (0.01)	0-0.02	0.96	0.01 (0.01)	0-0.02	0.95
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.01 (0.01)	0-0.04	0.94	0.01 (0.01)	0-0.02	0.97	0.01 (0.01)	0-0.04	0.71
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0.01 (0.01)	0-0.04	0.99	0.01 (0.01)	0-0.02	1.01	0.01 (0.01)	0-0.04	0.72
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 76. DBS - East & West. Density (birds Per Square Km) of Kittiwake recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	9.28 (1.51)	6.36-12.23	0.16	7.79 (1.14)	5.36-10.37	0.15	7.15 (0.76)	5.31-9.08	0.11
Apr 2021	3.37 (0.76)	2.06-5.04	0.23	3.09 (0.61)	1.75-4.99	0.20	2.72 (0.46)	1.77-4.1	0.17
May 2021	1.3 (0.22)	0.91-1.79	0.17	1.14 (0.17)	0.69-1.63	0.15	1.19 (0.15)	0.81-1.65	0.13
Jun 2021	0.23 (0.13)	0.02-0.51	0.55	0.27 (0.1)	0.07-0.51	0.39	0.27 (0.09)	0.09-0.5	0.33
Jul 2021	0.14 (0.09)	0-0.35	0.64	0.12 (0.07)	0.01-0.26	0.57	0.58 (0.43)	0.01-1.66	0.74
Aug 2021	0.24 (0.16)	0-0.6	0.69	0.24 (0.17)	0-0.63	0.70	0.18 (0.12)	0-0.47	0.68
Sep 2021	0.35 (0.11)	0.16-0.55	0.30	0.39 (0.11)	0.14-0.7	0.28	0.42 (0.1)	0.18-0.72	0.23
Oct 2021	0.08 (0.04)	0.02-0.17	0.44	0.26 (0.13)	0.03-0.51	0.52	0.24 (0.11)	0.04-0.51	0.47
Nov 2021	0.15 (0.06)	0.05-0.29	0.40	0.11 (0.05)	0.01-0.25	0.40	0.14 (0.06)	0.01-0.33	0.43
Dec 2021	0.18 (0.08)	0.04-0.35	0.45	0.14 (0.06)	0.02-0.31	0.41	0.11 (0.04)	0.02-0.24	0.40
Jan 2022	0.67 (0.09)	0.5-0.86	0.14	1.09 (0.22)	0.58-1.74	0.20	1 (0.16)	0.6-1.48	0.16
Feb 2022	0.26 (0.06)	0.14-0.39	0.24	0.22 (0.05)	0.1-0.36	0.25	0.2 (0.04)	0.1-0.33	0.22
Mar 2022	4.26 (1.03)	2.36-6.34	0.24	5.64 (1.5)	2.33-10.04	0.27	5.3 (1.14)	2.86-8.64	0.22
Apr 2022	2.71 (0.43)	1.92-3.6	0.16	2.53 (0.34)	1.71-3.46	0.13	2.59 (0.34)	1.73-3.59	0.13
May 2022	0.98 (0.27)	0.54-1.56	0.27	0.94 (0.2)	0.48-1.48	0.21	0.95 (0.17)	0.55-1.45	0.18
Jun 2022	0.49 (0.24)	0.06-1	0.48	0.44 (0.18)	0.09-0.89	0.41	0.38 (0.17)	0.07-0.81	0.45
Jul 2022	1.65 (0.31)	1.08-2.28	0.19	1.56 (0.28)	0.85-2.34	0.18	1.54 (0.29)	0.86-2.41	0.19
Aug 2022	10.96 (4.5)	2.94-20.78	0.41	10.4 (3.58)	2.51-20.99	0.34	8.56 (2.65)	2.63-16.55	0.31
Sep 2022	9.18 (7.41)	0.38-26.41	0.81	7.79 (5.68)	0.58-20.11	0.73	6.58 (4.44)	0.32-17.69	0.68
Oct 2022	1.47 (0.28)	0.98-2.13	0.19	1.42 (0.25)	0.8-2.12	0.18	1.28 (0.21)	0.77-1.87	0.16
Nov 2022	1.47 (0.37)	0.81-2.26	0.26	1.48 (0.4)	0.67-2.5	0.27	1.33 (0.31)	0.71-2.18	0.23
Dec 2022	7.15 (1.57)	4.28-10.23	0.22	6.87 (1.16)	4.12-10.44	0.17	8.89 (1.46)	5.51-13.22	0.16
Jan 2023	1.58 (0.42)	0.8-2.46	0.26	1.69 (0.37)	0.76-2.74	0.22	2.27 (0.45)	1.16-3.61	0.20
Feb 2023	3.5 (1.2)	1.53-6.13	0.34	2.79 (0.84)	0.97-5.25	0.30	2.39 (0.61)	1.04-4.26	0.26



Table 77. DBS - East & West. Density (birds Per Square Km) of Large gull species recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.01 (0.01)	0-0.04	0.98	0.01 (0.01)	0-0.03	1.01	0.01 (0.01)	0-0.03	0.66
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	1.03
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.01 (0.01)	0-0.02	0.97	0.01 (0.01)	0-0.02	0.98
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.01 (0.01)	0-0.04	0.92	0.01 (0.01)	0-0.03	0.89	0.01 (0.01)	0-0.02	0.92
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.06	0.71	0.02 (0.01)	0-0.05	0.68	0.02 (0.02)	0-0.07	0.64
Sep 2022	0.01 (0.01)	0-0.04	1.01	0.01 (0.01)	0-0.02	0.99	0.01 (0.01)	0-0.02	1.02
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	1.05	0.01 (0.01)	0-0.02	1.04
Jan 2023	0.01 (0.01)	0-0.04	1.03	0.01 (0.01)	0-0.02	0.94	0.01 (0.01)	0-0.02	1.00
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 78. DBS - East & West. Density (birds Per Square Km) of Lesser black-backed gull recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.01 (0.01)	0-0.04	1.04	0.01 (0.01)	0-0.02	1.00	0.01 (0.01)	0-0.02	1.00
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	1.05
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0.02 (0.02)	0-0.07	1.01	0.02 (0.02)	0-0.05	0.97
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 79. DBS - East & West. Density (birds Per Square Km) of Little auk recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0.02 (0.02)	0-0.07	0.98	0.03 (0.02)	0-0.08	0.71	0.02 (0.02)	0-0.06	0.71
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.05 (0.02)	0.01-0.09	0.48	0.07 (0.04)	0-0.18	0.51	0.08 (0.03)	0.01-0.18	0.39
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 80. DBS - East & West. Density (birds Per Square Km) of Little gull recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.13 (0.13)	0-0.39	0.97	0.13 (0.1)	0-0.36	0.76
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.01 (0.01)	0-0.04	1.03	0.01 (0.01)	0-0.03	1.07	0.01 (0.01)	0-0.02	1.01
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 81. DBS - East & West. Density (birds Per Square Km) of Manx shearwater recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 82. DBS - East & West. Density (birds Per Square Km) of Puffin recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.13 (0.04)	0.06-0.2	0.27	0.12 (0.02)	0.06-0.17	0.19	0.13 (0.03)	0.06-0.19	0.20
Apr 2021	0.27 (0.04)	0.19-0.36	0.15	0.24 (0.03)	0.16-0.32	0.12	0.23 (0.03)	0.16-0.31	0.13
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.03 (0.02)	0-0.06	0.58
Aug 2021	0.04 (0.02)	0-0.07	0.50	0.03 (0.02)	0-0.06	0.54	0.02 (0.01)	0.01-0.04	0.43
Sep 2021	0.04 (0.02)	0-0.07	0.49	0.04 (0.02)	0.01-0.08	0.45	0.04 (0.01)	0.01-0.08	0.33
Oct 2021	0.46 (0.1)	0.29-0.65	0.21	0.47 (0.07)	0.28-0.68	0.16	0.48 (0.07)	0.3-0.67	0.14
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.01 (0.01)	0-0.02	0.77	0.01 (0.01)	0-0.02	0.82	0.01 (0.01)	0-0.02	0.90
May 2022	0.25 (0.04)	0.17-0.33	0.18	0.2 (0.04)	0.08-0.31	0.22	0.19 (0.03)	0.09-0.29	0.18
Jun 2022	0.02 (0.02)	0-0.05	0.69	0.02 (0.01)	0-0.03	0.71	0.01 (0.01)	0-0.02	0.72
Jul 2022	0.05 (0.02)	0-0.09	0.50	0.11 (0.05)	0.02-0.2	0.45	0.13 (0.06)	0.01-0.3	0.44
Aug 2022	0.1 (0.04)	0.02-0.17	0.37	0.07 (0.02)	0.02-0.13	0.31	0.05 (0.02)	0.02-0.1	0.32
Sep 2022	0.02 (0.01)	0-0.05	0.55	0.02 (0.01)	0-0.04	0.59	0.01 (0.01)	0-0.03	0.61
Oct 2022	0.05 (0.02)	0.01-0.08	0.36	0.1 (0.04)	0.02-0.18	0.37	0.1 (0.03)	0.02-0.18	0.32
Nov 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	0.88	0.02 (0.01)	0-0.03	0.52
Dec 2022	0.1 (0.03)	0.02-0.17	0.36	0.07 (0.03)	0-0.15	0.34	0.08 (0.02)	0.02-0.15	0.30
Jan 2023	0.06 (0.02)	0.02-0.09	0.34	0.06 (0.02)	0.01-0.11	0.32	0.05 (0.01)	0.02-0.08	0.28
Feb 2023	0.08 (0.03)	0.04-0.15	0.37	0.06 (0.02)	0.02-0.11	0.40	0.06 (0.02)	0.01-0.11	0.36

Table 83. DBS - East & West. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.13 (0.04)	0.06-0.2	0.27	0.12 (0.02)	0.06-0.17	0.19	0.13 (0.03)	0.06-0.19	0.20
Apr 2021	0.27 (0.04)	0.19-0.36	0.15	0.24 (0.03)	0.16-0.32	0.12	0.23 (0.03)	0.16-0.31	0.13
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.03 (0.02)	0-0.06	0.58
Aug 2021	0.04 (0.02)	0-0.07	0.50	0.03 (0.02)	0-0.06	0.54	0.02 (0.01)	0.01-0.04	0.43
Sep 2021	0.04 (0.02)	0-0.07	0.49	0.04 (0.02)	0.01-0.08	0.45	0.04 (0.01)	0.01-0.08	0.33
Oct 2021	0.5 (0.1)	0.31-0.7	0.21	0.53 (0.08)	0.32-0.76	0.15	0.54 (0.07)	0.34-0.76	0.14
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.01 (0.01)	0-0.02	0.77	0.01 (0.01)	0-0.02	0.82	0.01 (0.01)	0-0.02	0.90
May 2022	0.25 (0.04)	0.17-0.33	0.18	0.2 (0.04)	0.08-0.31	0.22	0.19 (0.03)	0.09-0.29	0.18
Jun 2022	0.02 (0.02)	0-0.05	0.69	0.02 (0.01)	0-0.03	0.71	0.01 (0.01)	0-0.02	0.72
Jul 2022	0.05 (0.02)	0-0.09	0.50	0.11 (0.05)	0.02-0.2	0.45	0.13 (0.06)	0.01-0.3	0.44
Aug 2022	0.1 (0.04)	0.02-0.17	0.37	0.07 (0.02)	0.02-0.13	0.31	0.05 (0.02)	0.02-0.1	0.32
Sep 2022	0.02 (0.01)	0-0.05	0.55	0.02 (0.01)	0-0.04	0.59	0.01 (0.01)	0-0.03	0.61
Oct 2022	0.05 (0.02)	0.01-0.08	0.36	0.1 (0.04)	0.02-0.18	0.37	0.1 (0.03)	0.02-0.18	0.32
Nov 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	0.88	0.02 (0.01)	0-0.03	0.52
Dec 2022	0.1 (0.03)	0.02-0.17	0.36	0.07 (0.03)	0-0.15	0.34	0.08 (0.02)	0.02-0.15	0.30
Jan 2023	0.06 (0.02)	0.02-0.09	0.34	0.06 (0.02)	0.01-0.11	0.32	0.05 (0.01)	0.02-0.08	0.28
Feb 2023	0.08 (0.03)	0.04-0.15	0.37	0.06 (0.02)	0.02-0.11	0.40	0.06 (0.02)	0.01-0.11	0.36

Table 84. DBS - East & West. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.16 (0.04)	0.07-0.24	0.27	0.13 (0.03)	0.07-0.2	0.19	0.15 (0.03)	0.07-0.23	0.19
Apr 2021	0.32 (0.05)	0.22-0.42	0.15	0.28 (0.03)	0.19-0.37	0.12	0.28 (0.03)	0.18-0.37	0.13
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.04 (0.02)	0-0.07	0.58
Aug 2021	0.04 (0.02)	0-0.07	0.50	0.04 (0.02)	0-0.08	0.54	0.03 (0.01)	0.01-0.05	0.43
Sep 2021	0.04 (0.02)	0-0.07	0.49	0.04 (0.02)	0.01-0.08	0.54	0.05 (0.02)	0.01-0.09	0.33
Oct 2021	0.58 (0.12)	0.36-0.82	0.21	0.62 (0.1)	0.37-0.88	0.15	0.63 (0.09)	0.4-0.88	0.14
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.01 (0.01)	0-0.02	0.77	0.01 (0.01)	0-0.02	0.82	0.01 (0.01)	0-0.02	0.90
May 2022	0.3 (0.05)	0.19-0.38	0.17	0.23 (0.05)	0.1-0.36	0.22	0.22 (0.04)	0.1-0.33	0.18
Jun 2022	0.02 (0.02)	0-0.05	0.69	0.02 (0.01)	0-0.03	0.71	0.01 (0.01)	0-0.02	0.72
Jul 2022	0.06 (0.03)	0-0.12	0.50	0.12 (0.06)	0.03-0.23	0.45	0.15 (0.07)	0.01-0.34	0.46
Aug 2022	0.11 (0.04)	0.03-0.19	0.37	0.08 (0.03)	0.03-0.15	0.31	0.06 (0.02)	0.02-0.11	0.32
Sep 2022	0.02 (0.01)	0-0.05	0.55	0.02 (0.01)	0-0.04	0.59	0.01 (0.01)	0-0.03	0.61
Oct 2022	0.05 (0.02)	0.01-0.1	0.45	0.11 (0.04)	0.03-0.21	0.37	0.11 (0.04)	0.03-0.2	0.34
Nov 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	0.88	0.02 (0.01)	0-0.03	0.52
Dec 2022	0.11 (0.04)	0.03-0.19	0.36	0.09 (0.03)	0-0.18	0.31	0.09 (0.03)	0.02-0.17	0.30
Jan 2023	0.06 (0.02)	0.03-0.11	0.41	0.07 (0.02)	0.01-0.12	0.32	0.05 (0.01)	0.02-0.09	0.28
Feb 2023	0.09 (0.03)	0.04-0.18	0.37	0.06 (0.03)	0.02-0.13	0.40	0.07 (0.03)	0.01-0.12	0.40



Table 85. DBS - East & West. Density (birds Per Square Km) of Razorbill recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	2.8 (0.48)	2-3.85	0.17	2.92 (0.39)	2.04-3.98	0.13	3.09 (0.28)	2.37-3.83	0.09
Apr 2021	2.07 (0.41)	1.33-2.93	0.20	2.03 (0.28)	1.4-2.77	0.14	1.99 (0.33)	1.18-2.96	0.16
May 2021	0.47 (0.11)	0.27-0.68	0.23	0.44 (0.09)	0.21-0.69	0.21	0.43 (0.07)	0.24-0.64	0.17
Jun 2021	0.01 (0.01)	0-0.04	0.91	0.03 (0.02)	0-0.08	0.49	0.07 (0.03)	0.01-0.15	0.41
Jul 2021	0.06 (0.03)	0.01-0.12	0.50	0.04 (0.02)	0-0.1	0.47	0.03 (0.01)	0-0.07	0.46
Aug 2021	0.05 (0.02)	0.01-0.09	0.45	0.07 (0.02)	0.04-0.12	0.21	0.14 (0.04)	0.04-0.26	0.31
Sep 2021	0.25 (0.07)	0.13-0.4	0.26	0.24 (0.05)	0.11-0.38	0.21	0.27 (0.06)	0.13-0.43	0.22
Oct 2021	0.27 (0.09)	0.12-0.46	0.32	0.46 (0.14)	0.15-0.78	0.30	0.47 (0.15)	0.15-0.92	0.33
Nov 2021	2.21 (0.33)	1.75-3.04	0.15	2.01 (0.19)	1.59-2.44	0.09	1.92 (0.19)	1.53-2.36	0.10
Dec 2021	0.73 (0.22)	0.35-1.2	0.31	0.65 (0.14)	0.36-0.98	0.22	0.56 (0.14)	0.25-0.92	0.24
Jan 2022	0.74 (0.16)	0.45-1.06	0.21	0.94 (0.23)	0.45-1.55	0.25	0.97 (0.2)	0.56-1.5	0.20
Feb 2022	0.62 (0.11)	0.4-0.84	0.18	0.54 (0.09)	0.31-0.8	0.17	0.42 (0.07)	0.24-0.61	0.16
Mar 2022	0.79 (0.26)	0.31-1.34	0.33	2 (0.94)	0.4-4.6	0.47	1.76 (0.69)	0.5-3.66	0.39
Apr 2022	0.88 (0.25)	0.42-1.4	0.28	0.78 (0.2)	0.35-1.33	0.26	0.73 (0.17)	0.32-1.18	0.23
May 2022	0.56 (0.12)	0.36-0.79	0.21	0.57 (0.1)	0.33-0.83	0.17	0.61 (0.08)	0.39-0.84	0.14
Jun 2022	0.11 (0.05)	0.04-0.21	0.43	0.11 (0.04)	0.04-0.2	0.33	0.14 (0.04)	0.04-0.25	0.28
Jul 2022	0.69 (0.21)	0.3-1.13	0.31	0.68 (0.16)	0.27-1.12	0.24	0.7 (0.14)	0.34-1.09	0.20
Aug 2022	10.39 (2.99)	5.02-16.32	0.29	9.51 (2.37)	3.82-15.76	0.25	8.82 (1.98)	4.05-14.41	0.22
Sep 2022	7.39 (5.6)	0.68-20.55	0.76	6.19 (3.87)	0.96-15.16	0.63	5.25 (3.2)	1.03-12.55	0.61
Oct 2022	2.45 (1.16)	0.8-5	0.47	2.47 (0.8)	0.96-4.44	0.32	2.47 (0.66)	1.24-4.21	0.27
Nov 2022	3.66 (0.37)	2.94-4.34	0.10	3.35 (0.27)	2.67-4.13	0.08	3.15 (0.26)	2.49-3.85	0.08
Dec 2022	6.62 (1.03)	4.67-8.59	0.16	6.74 (0.85)	4.77-8.8	0.13	6.71 (0.86)	4.73-8.87	0.13
Jan 2023	6.93 (1.07)	5.05-9.31	0.15	6.41 (0.76)	4.47-8.57	0.12	6.4 (0.72)	4.54-8.28	0.11
Feb 2023	5.94 (0.78)	4.58-7.58	0.13	5.78 (0.63)	4.22-7.62	0.11	6.23 (0.63)	4.64-8.02	0.10

Table 86. DBS - East & West. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	4.68 (0.8)	3.31-6.37	0.17	4.81 (0.64)	3.36-6.54	0.13	5.03 (0.45)	3.86-6.24	0.09
Apr 2021	3.53 (0.7)	2.27-5	0.20	3.49 (0.48)	2.4-4.75	0.14	3.43 (0.55)	2.05-5.05	0.16
May 2021	0.55 (0.13)	0.32-0.8	0.23	0.53 (0.11)	0.26-0.83	0.21	0.53 (0.09)	0.29-0.78	0.17
Jun 2021	0.01 (0.01)	0-0.04	0.91	0.04 (0.02)	0-0.1	0.39	0.07 (0.03)	0.01-0.16	0.41
Jul 2021	0.06 (0.03)	0.01-0.12	0.50	0.04 (0.02)	0-0.1	0.47	0.03 (0.01)	0-0.07	0.46
Aug 2021	0.06 (0.03)	0.01-0.12	0.45	0.1 (0.02)	0.06-0.16	0.21	0.18 (0.06)	0.06-0.34	0.32
Sep 2021	0.31 (0.08)	0.16-0.49	0.26	0.29 (0.06)	0.14-0.46	0.22	0.33 (0.07)	0.16-0.52	0.22
Oct 2021	0.45 (0.15)	0.2-0.77	0.32	0.74 (0.22)	0.24-1.24	0.29	0.75 (0.25)	0.25-1.45	0.33
Nov 2021	3.17 (0.47)	2.52-4.36	0.15	2.98 (0.28)	2.36-3.62	0.09	2.83 (0.28)	2.26-3.47	0.10
Dec 2021	1.53 (0.47)	0.74-2.51	0.31	1.48 (0.32)	0.81-2.23	0.21	1.34 (0.31)	0.6-2.18	0.23
Jan 2022	1.74 (0.37)	1.07-2.5	0.21	2.13 (0.52)	1.01-3.49	0.25	2.12 (0.43)	1.23-3.28	0.20
Feb 2022	1.36 (0.24)	0.88-1.84	0.18	1.19 (0.2)	0.69-1.75	0.16	0.92 (0.14)	0.54-1.33	0.15
Mar 2022	2.05 (0.69)	0.83-3.6	0.34	5.28 (2.45)	1.05-12.23	0.46	4.54 (1.78)	1.29-9.43	0.39
Apr 2022	1.04 (0.3)	0.49-1.67	0.28	0.91 (0.24)	0.41-1.55	0.26	0.87 (0.2)	0.38-1.39	0.23
May 2022	0.58 (0.12)	0.37-0.82	0.21	0.58 (0.1)	0.34-0.85	0.17	0.63 (0.09)	0.4-0.88	0.14
Jun 2022	0.11 (0.05)	0.04-0.21	0.43	0.11 (0.04)	0.04-0.2	0.33	0.14 (0.04)	0.04-0.25	0.29
Jul 2022	0.72 (0.23)	0.32-1.21	0.31	0.73 (0.17)	0.29-1.2	0.24	0.75 (0.15)	0.37-1.18	0.20
Aug 2022	11.02 (3.15)	5.28-17.17	0.29	10.05 (2.5)	4.04-16.66	0.25	9.33 (2.09)	4.29-15.23	0.22
Sep 2022	8.93 (6.85)	0.83-25.11	0.77	8.16 (5.12)	1.28-19.96	0.63	6.84 (4.17)	1.34-16.36	0.61
Oct 2022	2.63 (1.26)	0.88-5.46	0.48	2.69 (0.88)	1.05-4.82	0.33	2.68 (0.73)	1.35-4.57	0.27
Nov 2022	4.08 (0.41)	3.28-4.84	0.10	3.77 (0.3)	3.01-4.65	0.08	3.57 (0.3)	2.82-4.37	0.08
Dec 2022	7.69 (1.2)	5.43-9.98	0.16	7.97 (1)	5.64-10.41	0.13	7.94 (1.03)	5.61-10.51	0.13
Jan 2023	8.24 (1.28)	6.04-11.15	0.15	7.75 (0.93)	5.39-10.36	0.12	7.73 (0.87)	5.48-10.01	0.11
Feb 2023	7.05 (0.92)	5.41-8.96	0.13	6.88 (0.75)	5.02-9.06	0.11	7.36 (0.75)	5.48-9.46	0.10

Table 87. DBS - East & West. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	5.66 (0.96)	4.01-7.73	0.17	5.82 (0.78)	4.07-7.91	0.13	6.09 (0.55)	4.67-7.55	0.09
Apr 2021	4.27 (0.85)	2.75-6.06	0.20	4.23 (0.58)	2.91-5.75	0.14	4.15 (0.67)	2.48-6.11	0.16
May 2021	0.66 (0.15)	0.39-0.98	0.23	0.65 (0.14)	0.31-1.01	0.21	0.64 (0.11)	0.35-0.94	0.17
Jun 2021	0.01 (0.01)	0-0.04	0.91	0.05 (0.02)	0-0.12	0.41	0.09 (0.04)	0.01-0.18	0.44
Jul 2021	0.07 (0.04)	0.01-0.14	0.50	0.05 (0.02)	0-0.12	0.47	0.04 (0.02)	0-0.09	0.46
Aug 2021	0.07 (0.03)	0.02-0.14	0.45	0.11 (0.03)	0.07-0.18	0.23	0.21 (0.07)	0.07-0.41	0.33
Sep 2021	0.37 (0.1)	0.19-0.58	0.26	0.34 (0.08)	0.16-0.55	0.22	0.4 (0.09)	0.2-0.63	0.22
Oct 2021	0.55 (0.18)	0.24-0.93	0.32	0.89 (0.26)	0.29-1.5	0.29	0.91 (0.3)	0.3-1.76	0.33
Nov 2021	3.83 (0.57)	3.05-5.28	0.15	3.61 (0.33)	2.86-4.39	0.09	3.43 (0.33)	2.73-4.2	0.10
Dec 2021	1.85 (0.57)	0.89-3.05	0.31	1.79 (0.38)	0.98-2.7	0.21	1.63 (0.38)	0.72-2.65	0.23
Jan 2022	2.11 (0.45)	1.29-3.03	0.21	2.57 (0.64)	1.23-4.21	0.25	2.57 (0.52)	1.49-3.97	0.20
Feb 2022	1.65 (0.29)	1.07-2.23	0.18	1.45 (0.24)	0.83-2.12	0.16	1.11 (0.17)	0.65-1.6	0.15
Mar 2022	2.49 (0.84)	1-4.35	0.34	6.39 (2.97)	1.27-14.8	0.46	5.51 (2.15)	1.56-11.43	0.39
Apr 2022	1.26 (0.36)	0.6-2.03	0.28	1.11 (0.29)	0.5-1.88	0.26	1.05 (0.25)	0.46-1.68	0.24
May 2022	0.71 (0.15)	0.45-0.99	0.20	0.71 (0.12)	0.41-1.03	0.17	0.76 (0.1)	0.49-1.06	0.14
Jun 2022	0.13 (0.06)	0.04-0.26	0.43	0.14 (0.05)	0.05-0.24	0.33	0.16 (0.05)	0.05-0.29	0.30
Jul 2022	0.88 (0.27)	0.38-1.46	0.31	0.88 (0.21)	0.35-1.46	0.24	0.91 (0.18)	0.45-1.43	0.19
Aug 2022	13.34 (3.81)	6.4-20.79	0.29	12.16 (3.03)	4.88-20.16	0.25	11.3 (2.53)	5.19-18.45	0.22
Sep 2022	10.81 (8.29)	1.01-30.42	0.77	9.88 (6.2)	1.54-24.16	0.63	8.29 (5.05)	1.63-19.81	0.61
Oct 2022	3.19 (1.53)	1.06-6.6	0.48	3.26 (1.07)	1.27-5.84	0.33	3.25 (0.88)	1.64-5.53	0.27
Nov 2022	4.94 (0.5)	3.97-5.86	0.10	4.57 (0.36)	3.64-5.63	0.08	4.33 (0.36)	3.42-5.29	0.08
Dec 2022	9.3 (1.45)	6.58-12.09	0.16	9.64 (1.22)	6.83-12.6	0.13	9.61 (1.24)	6.79-12.72	0.13
Jan 2023	9.99 (1.54)	7.31-13.5	0.15	9.38 (1.12)	6.53-12.54	0.12	9.36 (1.06)	6.64-12.13	0.11
Feb 2023	8.54 (1.12)	6.56-10.86	0.13	8.33 (0.91)	6.08-10.98	0.11	8.91 (0.9)	6.64-11.46	0.10

Table 88. DBS - East & West. Density (birds Per Square Km) of Red-throated diver recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	1.04
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 89. DBS - East & West. Density (birds Per Square Km) of Skua species recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 90. DBS - East & West. Density (birds Per Square Km) of Small gull species recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0.07 (0.07)	0-0.21	0.99	0.05 (0.05)	0-0.15	1.00	0.04 (0.04)	0-0.11	1.00
Sep 2021	0.01 (0.01)	0-0.04	1.05	0.02 (0.01)	0-0.05	0.70	0.02 (0.02)	0-0.07	0.63
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0.01 (0.01)	0-0.04	1.02	0.01 (0.01)	0-0.02	1.01	0.01 (0.01)	0-0.02	1.02
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0.16 (0.07)	0.05-0.29	0.42	0.12 (0.05)	0.04-0.21	0.40	0.09 (0.03)	0.02-0.17	0.39
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.07 (0.04)	0-0.17	0.59	0.07 (0.03)	0.01-0.16	0.46	0.05 (0.02)	0.01-0.12	0.43
Sep 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	1.04	0.01 (0.01)	0-0.02	1.00
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0.06 (0.03)	0.02-0.12	0.45	0.04 (0.02)	0.01-0.09	0.46	0.03 (0.01)	0.01-0.06	0.43
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0.02 (0.02)	0-0.06	0.68	0.02 (0.01)	0-0.04	0.71	0.02 (0.01)	0-0.05	0.58

Table 91. DBS - East & West. Density (birds Per Square Km) of Tern species recorded on the sea, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.05 (0.04)	0-0.14	0.79	0.05 (0.03)	0-0.13	0.52	0.07 (0.03)	0-0.16	0.52
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



MacArthur  
Green

# Dogger Bank South Offshore Windfarm

## Ornithology Technical Appendix 12-8c Seabird densities by survey: birds in flight

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## Document Quality Record

Version	Status	Person Responsible	Date
0.1	Draft	Dr Mark Trinder	16/10/2023
0.2	Reviewed	Dr Shirley Raveh	12/11/2023
0.3	Updated and approved	Dr Mark Trinder	18/03/2024
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## 1 INTRODUCTION

This annex provides tables of seabird density in each survey for each species recorded during the DBS East and West Offshore Wind Farm projects' baseline surveys (March 2021 – February 2023).

The densities were estimated using design-based methods and are summarised as central estimate (i.e. extrapolated from the number seen in the surveyed area to the whole area) and 95% confidence range, derived from 1,000 nonparametric bootstrap samples.

Appendix (a) provides the density in each survey for each species on the water and in flight.

Appendix (b) provides the density in each survey for each species on the water.

This appendix (c) provides the density in each survey for each species in flight.

Table 1. DBS - East. Density (birds Per Square Km) of Arctic skua recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.96
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0.02 (0.02)	0-0.07	1.02	0.02 (0.02)	0-0.05	0.99	0.01 (0.01)	0-0.04	0.98
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 2. DBS - East. Density (birds Per Square Km) of Arctic tern recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0.05 (0.04)	0-0.14	0.84	0.03 (0.02)	0-0.07	0.66	0.02 (0.01)	0-0.05	0.61
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.12 (0.07)	0-0.26	0.56	0.15 (0.06)	0.03-0.26	0.40	0.14 (0.04)	0.06-0.23	0.29
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.02 (0.02)	0-0.07	0.89	0.02 (0.01)	0-0.03	0.69	0.01 (0.01)	0-0.02	0.77
Aug 2022	0.21 (0.08)	0.07-0.38	0.39	0.21 (0.06)	0.1-0.33	0.28	0.24 (0.06)	0.13-0.36	0.24
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 3. DBS - East. Density (birds Per Square Km) of Black-backed gull species recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 4. DBS - East. Density (birds Per Square Km) of Commic tern recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0.05 (0.05)	0-0.14	0.95	0.05 (0.03)	0-0.12	0.60	0.04 (0.02)	0-0.07	0.49
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.19 (0.12)	0-0.45	0.63	0.2 (0.09)	0.03-0.38	0.46	0.16 (0.06)	0.06-0.26	0.36
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.02 (0.02)	0-0.07	0.94	0.02 (0.01)	0-0.05	0.87	0.01 (0.01)	0-0.02	0.71
Aug 2022	0.45 (0.22)	0.07-0.93	0.49	0.34 (0.16)	0.08-0.69	0.47	0.42 (0.11)	0.19-0.65	0.26
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 5. DBS - East. Density (birds Per Square Km) of Common gull recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0.02 (0.02)	0-0.07	1.00	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	0.98
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.05 (0.05)	0-0.15	1.00	0.05 (0.04)	0-0.13	0.73	0.04 (0.02)	0-0.09	0.68
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.05 (0.03)	0-0.12	0.67	0.03 (0.02)	0-0.08	0.76	0.04 (0.02)	0-0.08	0.56
Sep 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.96
Oct 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	1.01	0.01 (0.01)	0-0.04	1.02
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0.02 (0.02)	0-0.07	0.96	0.03 (0.02)	0-0.08	0.70	0.02 (0.02)	0-0.06	0.69
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 6. DBS - East. Density (birds Per Square Km) of Common scoter recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



Table 7. DBS - East. Density (birds Per Square Km) of Common tern recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.07	1.02	0.03 (0.02)	0-0.08	0.69	0.02 (0.02)	0-0.06	0.69
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 8. DBS - East. Density (birds Per Square Km) of Fulmar recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0.02 (0.02)	0-0.05	0.71	0.02 (0.02)	0-0.05	0.95	0.02 (0.02)	0-0.06	0.67
May 2021	0.05 (0.03)	0-0.1	0.60	0.05 (0.03)	0-0.12	0.57	0.05 (0.02)	0.01-0.1	0.48
Jun 2021	0.05 (0.03)	0-0.1	0.57	0.03 (0.02)	0-0.08	0.69	0.02 (0.02)	0-0.06	0.71
Jul 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	1.00	0.01 (0.01)	0-0.04	1.01
Aug 2021	0.1 (0.04)	0.02-0.17	0.41	0.1 (0.04)	0.03-0.18	0.40	0.12 (0.04)	0.05-0.19	0.30
Sep 2021	0.05 (0.03)	0-0.1	0.54	0.08 (0.03)	0.02-0.15	0.42	0.11 (0.04)	0.05-0.19	0.35
Oct 2021	0.05 (0.02)	0-0.1	0.53	0.03 (0.02)	0-0.08	0.73	0.02 (0.02)	0-0.06	0.68
Nov 2021	0.22 (0.07)	0.1-0.36	0.33	0.25 (0.07)	0.12-0.4	0.28	0.22 (0.05)	0.12-0.33	0.24
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.12 (0.05)	0.02-0.22	0.44	0.13 (0.05)	0.03-0.25	0.42	0.1 (0.04)	0.02-0.18	0.43
Feb 2022	0.1 (0.04)	0.02-0.17	0.40	0.08 (0.03)	0.02-0.15	0.42	0.08 (0.03)	0.02-0.14	0.36
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.02 (0.02)	0-0.07	0.84	0.03 (0.02)	0-0.1	0.73	0.04 (0.02)	0-0.07	0.56
Jun 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.95	0.01 (0.01)	0-0.04	0.94
Jul 2022	0 (0)	0-0		0.03 (0.03)	0-0.1	0.98	0.02 (0.02)	0-0.07	0.99
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.03 (0.01)	0-0.05	0.58	0.05 (0.03)	0-0.11	0.54	0.05 (0.02)	0.01-0.1	0.48
Oct 2022	0.14 (0.04)	0.07-0.22	0.28	0.3 (0.17)	0.05-0.69	0.58	0.28 (0.13)	0.08-0.55	0.46
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.97
Dec 2022	0.09 (0.05)	0.02-0.19	0.49	0.1 (0.04)	0.02-0.19	0.46	0.09 (0.04)	0.02-0.16	0.40
Jan 2023	0.19 (0.1)	0.02-0.38	0.52	0.18 (0.09)	0.05-0.36	0.47	0.13 (0.06)	0.04-0.28	0.48
Feb 2023	0.12 (0.06)	0.02-0.24	0.49	0.1 (0.04)	0.03-0.18	0.43	0.1 (0.03)	0.04-0.18	0.36

Table 9. DBS - East. Density (birds Per Square Km) of Gannet recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.34 (0.09)	0.17-0.5	0.25	0.4 (0.08)	0.25-0.54	0.19	0.39 (0.06)	0.28-0.5	0.15
Apr 2021	0.45 (0.09)	0.29-0.62	0.19	0.41 (0.07)	0.28-0.52	0.16	0.38 (0.05)	0.28-0.49	0.14
May 2021	0.24 (0.06)	0.12-0.39	0.26	0.25 (0.06)	0.15-0.36	0.23	0.21 (0.05)	0.12-0.3	0.22
Jun 2021	0 (0)	0-0		0.02 (0.01)	0-0.05	0.85	0.01 (0.01)	0-0.04	0.86
Jul 2021	0.05 (0.03)	0-0.1	0.59	0.03 (0.02)	0-0.07	0.56	0.04 (0.02)	0.01-0.07	0.46
Aug 2021	0.1 (0.04)	0.02-0.19	0.43	0.07 (0.03)	0.02-0.12	0.43	0.07 (0.03)	0.02-0.13	0.41
Sep 2021	0.48 (0.08)	0.33-0.65	0.17	0.38 (0.06)	0.26-0.51	0.16	0.35 (0.05)	0.25-0.45	0.14
Oct 2021	0.74 (0.12)	0.5-0.98	0.16	0.65 (0.1)	0.47-0.85	0.15	0.64 (0.07)	0.51-0.79	0.11
Nov 2021	0.24 (0.06)	0.12-0.36	0.27	0.27 (0.05)	0.17-0.37	0.20	0.24 (0.05)	0.16-0.34	0.19
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.95
Mar 2022	0.07 (0.03)	0.02-0.12	0.42	0.07 (0.03)	0.02-0.12	0.43	0.05 (0.02)	0.01-0.1	0.45
Apr 2022	0.74 (0.16)	0.45-1.07	0.21	0.87 (0.15)	0.59-1.16	0.17	1.07 (0.17)	0.75-1.41	0.16
May 2022	0.02 (0.02)	0-0.07	0.77	0.08 (0.03)	0.02-0.15	0.41	0.12 (0.05)	0.04-0.23	0.43
Jun 2022	0.02 (0.02)	0-0.07	0.79	0.03 (0.02)	0-0.07	0.60	0.05 (0.02)	0.01-0.1	0.43
Jul 2022	0.14 (0.04)	0.07-0.24	0.31	0.1 (0.03)	0.03-0.17	0.35	0.17 (0.05)	0.07-0.28	0.30
Aug 2022	0.19 (0.07)	0.07-0.31	0.34	0.15 (0.05)	0.07-0.25	0.32	0.12 (0.04)	0.05-0.19	0.30
Sep 2022	0.05 (0.03)	0-0.1	0.57	0.09 (0.03)	0.02-0.16	0.38	0.1 (0.03)	0.04-0.17	0.32
Oct 2022	0.34 (0.1)	0.14-0.55	0.30	0.43 (0.12)	0.21-0.69	0.28	0.44 (0.12)	0.24-0.71	0.28
Nov 2022	0.54 (0.16)	0.26-0.85	0.29	0.47 (0.12)	0.26-0.71	0.25	0.39 (0.09)	0.21-0.6	0.24
Dec 2022	0.07 (0.04)	0-0.14	0.57	0.06 (0.03)	0-0.13	0.51	0.09 (0.03)	0.04-0.16	0.37
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0.07 (0.04)	0-0.17	0.62	0.07 (0.03)	0.02-0.13	0.51	0.06 (0.03)	0.01-0.12	0.47

Table 10. DBS - East. Density (birds Per Square Km) of Great black-backed gull recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.96
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.02 (0.02)	0-0.07	0.93	0.02 (0.02)	0-0.07	1.00	0.04 (0.02)	0-0.07	0.55
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.05 (0.03)	0-0.12	0.70	0.05 (0.03)	0-0.11	0.58	0.05 (0.03)	0.01-0.11	0.52
Feb 2022	0.02 (0.02)	0-0.07	0.97	0.02 (0.02)	0-0.05	1.02	0.02 (0.02)	0-0.06	0.67
Mar 2022	0 (0)	0-0		0.05 (0.04)	0-0.13	0.73	0.05 (0.03)	0-0.11	0.61
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.05 (0.03)	0-0.12	0.69	0.03 (0.02)	0-0.08	0.69	0.02 (0.02)	0-0.06	0.71
Sep 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.99	0.01 (0.01)	0-0.04	0.97
Oct 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	1.00	0.01 (0.01)	0-0.04	1.01
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.04 (0.03)	0-0.09	0.74
Dec 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	1.03	0.05 (0.03)	0-0.11	0.59
Jan 2023	0.07 (0.07)	0-0.22	0.97	0.07 (0.05)	0-0.18	0.76	0.06 (0.04)	0-0.15	0.63
Feb 2023	0.02 (0.02)	0-0.07	0.98	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	1.03

Table 11. DBS - East. Density (birds Per Square Km) of Great skua recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	1.01	0.01 (0.01)	0-0.04	0.97
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0.02 (0.02)	0-0.07	1	0.02 (0.02)	0-0.05	1.03	0.01 (0.01)	0-0.04	1.03
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 12. DBS - East. Density (birds Per Square Km) of Guillemot recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	1.25 (0.29)	0.67-1.8	0.23	1.05 (0.22)	0.63-1.5	0.21	0.98 (0.19)	0.6-1.33	0.19
Apr 2021	0.21 (0.05)	0.12-0.31	0.24	0.2 (0.04)	0.11-0.28	0.22	0.19 (0.05)	0.11-0.29	0.24
May 2021	0.05 (0.03)	0-0.1	0.53	0.07 (0.02)	0.03-0.1	0.27	0.05 (0.01)	0.02-0.07	0.28
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0.1 (0.03)	0.02-0.17	0.34	0.07 (0.03)	0.02-0.13	0.44	0.05 (0.02)	0.01-0.08	0.41
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0.02 (0.02)	0-0.07	0.82	0.02 (0.01)	0-0.05	0.88	0.01 (0.01)	0-0.04	0.83
Nov 2021	0.19 (0.04)	0.12-0.29	0.23	0.23 (0.07)	0.1-0.38	0.30	0.17 (0.05)	0.09-0.27	0.28
Dec 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.60
Jan 2022	0.14 (0.08)	0.02-0.29	0.54	0.1 (0.07)	0-0.25	0.67	0.08 (0.04)	0.01-0.18	0.51
Feb 2022	0.05 (0.03)	0-0.1	0.56	0.03 (0.02)	0-0.08	0.63	0.02 (0.01)	0-0.06	0.60
Mar 2022	0.27 (0.1)	0.07-0.46	0.36	0.22 (0.08)	0.07-0.38	0.38	0.17 (0.05)	0.07-0.28	0.32
Apr 2022	0.4 (0.13)	0.17-0.69	0.33	0.34 (0.11)	0.16-0.61	0.32	0.45 (0.11)	0.25-0.68	0.24
May 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.70
Jun 2022	0.02 (0.02)	0-0.05	0.77	0.05 (0.03)	0-0.1	0.55	0.04 (0.02)	0-0.07	0.53
Jul 2022	0.14 (0.09)	0-0.34	0.61	0.1 (0.07)	0-0.25	0.68	0.18 (0.09)	0.02-0.35	0.49
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0.02 (0.01)	0-0.04	0.68	0.01 (0.01)	0-0.03	0.69
Oct 2022	0.36 (0.16)	0.05-0.67	0.43	0.34 (0.13)	0.11-0.61	0.38	0.38 (0.11)	0.18-0.6	0.29
Nov 2022	0.16 (0.04)	0.09-0.24	0.23	0.21 (0.05)	0.11-0.3	0.23	0.27 (0.05)	0.18-0.36	0.17
Dec 2022	0.07 (0.03)	0.02-0.14	0.44	0.08 (0.03)	0.02-0.14	0.42	0.09 (0.03)	0.05-0.15	0.29
Jan 2023	0.24 (0.08)	0.1-0.41	0.34	0.3 (0.07)	0.17-0.45	0.25	0.31 (0.07)	0.19-0.45	0.21
Feb 2023	0.05 (0.02)	0-0.1	0.50	0.05 (0.02)	0.02-0.1	0.44	0.07 (0.02)	0.04-0.11	0.26

Table 13. DBS - East. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	1.71 (0.39)	0.92-2.46	0.23	1.37 (0.29)	0.81-1.95	0.21	1.26 (0.24)	0.77-1.7	0.19
Apr 2021	0.26 (0.06)	0.15-0.38	0.24	0.23 (0.05)	0.13-0.32	0.22	0.26 (0.06)	0.15-0.4	0.24
May 2021	0.07 (0.04)	0-0.15	0.53	0.07 (0.02)	0.03-0.1	0.27	0.05 (0.01)	0.02-0.07	0.28
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0.1 (0.03)	0.02-0.17	0.34	0.07 (0.03)	0.02-0.13	0.44	0.05 (0.02)	0.01-0.08	0.41
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0.02 (0.02)	0-0.07	0.82	0.02 (0.01)	0-0.05	0.88	0.02 (0.02)	0-0.07	0.83
Nov 2021	0.24 (0.06)	0.15-0.36	0.23	0.27 (0.08)	0.11-0.44	0.30	0.22 (0.06)	0.11-0.34	0.28
Dec 2021	0 (0)	0-0		0 (0)	0-0		0.04 (0.02)	0-0.07	0.60
Jan 2022	0.14 (0.08)	0.02-0.29	0.54	0.1 (0.07)	0-0.25	0.67	0.08 (0.04)	0.01-0.18	0.51
Feb 2022	0.05 (0.03)	0-0.1	0.56	0.03 (0.02)	0-0.08	0.63	0.02 (0.01)	0-0.06	0.60
Mar 2022	0.34 (0.12)	0.09-0.59	0.36	0.27 (0.1)	0.08-0.47	0.38	0.21 (0.07)	0.09-0.34	0.32
Apr 2022	0.45 (0.15)	0.19-0.77	0.33	0.39 (0.13)	0.19-0.69	0.32	0.49 (0.12)	0.27-0.74	0.24
May 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.70
Jun 2022	0.02 (0.02)	0-0.05	0.77	0.05 (0.03)	0-0.1	0.55	0.04 (0.02)	0-0.07	0.53
Jul 2022	0.14 (0.09)	0-0.34	0.61	0.1 (0.07)	0-0.25	0.68	0.18 (0.09)	0.02-0.35	0.49
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0.02 (0.01)	0-0.04	0.68	0.01 (0.01)	0-0.03	0.69
Oct 2022	0.41 (0.18)	0.05-0.76	0.43	0.36 (0.14)	0.12-0.64	0.38	0.41 (0.12)	0.19-0.64	0.29
Nov 2022	0.31 (0.07)	0.17-0.44	0.23	0.34 (0.08)	0.18-0.49	0.23	0.44 (0.08)	0.28-0.59	0.17
Dec 2022	0.07 (0.03)	0.02-0.14	0.44	0.08 (0.03)	0.02-0.14	0.42	0.12 (0.03)	0.06-0.19	0.29
Jan 2023	0.24 (0.08)	0.1-0.41	0.34	0.31 (0.08)	0.17-0.47	0.25	0.33 (0.07)	0.2-0.46	0.21
Feb 2023	0.05 (0.02)	0-0.1	0.50	0.05 (0.02)	0.02-0.1	0.44	0.07 (0.02)	0.04-0.11	0.26

Table 14. DBS - East. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	1.71 (0.39)	0.92-2.46	0.23	1.37 (0.29)	0.81-1.95	0.21	1.26 (0.24)	0.77-1.7	0.19
Apr 2021	0.26 (0.06)	0.15-0.38	0.24	0.23 (0.05)	0.13-0.32	0.22	0.26 (0.06)	0.15-0.4	0.24
May 2021	0.07 (0.04)	0-0.15	0.53	0.07 (0.02)	0.03-0.1	0.27	0.05 (0.01)	0.02-0.07	0.28
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0.1 (0.03)	0.02-0.17	0.34	0.07 (0.03)	0.02-0.13	0.44	0.05 (0.02)	0.01-0.08	0.41
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0.02 (0.02)	0-0.07	0.82	0.02 (0.01)	0-0.05	0.88	0.02 (0.02)	0-0.07	0.83
Nov 2021	0.24 (0.06)	0.15-0.36	0.23	0.27 (0.08)	0.11-0.44	0.30	0.22 (0.06)	0.11-0.34	0.28
Dec 2021	0 (0)	0-0		0 (0)	0-0		0.04 (0.02)	0-0.07	0.60
Jan 2022	0.14 (0.08)	0.02-0.29	0.54	0.1 (0.07)	0-0.25	0.67	0.08 (0.04)	0.01-0.18	0.51
Feb 2022	0.05 (0.03)	0-0.1	0.56	0.03 (0.02)	0-0.08	0.63	0.02 (0.01)	0-0.06	0.60
Mar 2022	0.34 (0.12)	0.09-0.59	0.36	0.27 (0.1)	0.08-0.47	0.38	0.21 (0.07)	0.09-0.34	0.32
Apr 2022	0.45 (0.15)	0.19-0.77	0.33	0.39 (0.13)	0.19-0.69	0.32	0.49 (0.12)	0.27-0.74	0.24
May 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.70
Jun 2022	0.02 (0.02)	0-0.05	0.77	0.05 (0.03)	0-0.1	0.55	0.04 (0.02)	0-0.07	0.53
Jul 2022	0.14 (0.09)	0-0.34	0.61	0.1 (0.07)	0-0.25	0.68	0.18 (0.09)	0.02-0.35	0.49
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0.02 (0.01)	0-0.04	0.68	0.01 (0.01)	0-0.03	0.69
Oct 2022	0.41 (0.18)	0.05-0.76	0.43	0.36 (0.14)	0.12-0.64	0.38	0.41 (0.12)	0.19-0.64	0.29
Nov 2022	0.31 (0.07)	0.17-0.44	0.23	0.34 (0.08)	0.18-0.49	0.23	0.44 (0.08)	0.28-0.59	0.17
Dec 2022	0.07 (0.03)	0.02-0.14	0.44	0.08 (0.03)	0.02-0.14	0.42	0.12 (0.03)	0.06-0.19	0.29
Jan 2023	0.24 (0.08)	0.1-0.41	0.34	0.31 (0.08)	0.17-0.47	0.25	0.33 (0.07)	0.2-0.46	0.21
Feb 2023	0.05 (0.02)	0-0.1	0.50	0.05 (0.02)	0.02-0.1	0.44	0.07 (0.02)	0.04-0.11	0.26



Table 15. DBS - East. Density (birds Per Square Km) of Herring gull recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.99
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.02 (0.02)	0-0.07	1.00	0.02 (0.02)	0-0.05	1.01	0.04 (0.03)	0-0.1	0.71
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.99	0.01 (0.01)	0-0.04	0.96
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0.02 (0.02)	0-0.07	1.01	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	1.00
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 16. DBS - East. Density (birds Per Square Km) of Kittiwake recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	6.25 (0.86)	4.62-7.89	0.14	5.69 (0.71)	4.37-7.12	0.13	5.42 (0.61)	4.25-6.61	0.11
Apr 2021	0.91 (0.2)	0.57-1.31	0.22	0.95 (0.15)	0.67-1.26	0.16	0.92 (0.11)	0.73-1.15	0.12
May 2021	0.78 (0.18)	0.41-1.12	0.23	0.73 (0.14)	0.48-1.04	0.19	0.85 (0.1)	0.65-1.05	0.12
Jun 2021	0.15 (0.05)	0.05-0.27	0.37	0.12 (0.05)	0.03-0.2	0.39	0.65 (0.41)	0.1-1.61	0.64
Jul 2021	0.14 (0.06)	0.05-0.27	0.38	0.12 (0.04)	0.03-0.2	0.37	0.16 (0.04)	0.07-0.24	0.27
Aug 2021	0.14 (0.09)	0-0.36	0.63	0.15 (0.08)	0.02-0.31	0.53	0.18 (0.07)	0.06-0.35	0.41
Sep 2021	0.62 (0.17)	0.33-0.98	0.27	0.71 (0.17)	0.4-1.05	0.24	0.74 (0.17)	0.45-1.11	0.23
Oct 2021	1.09 (0.26)	0.64-1.67	0.24	2.12 (0.97)	0.73-4.32	0.46	2.44 (0.75)	1.19-4.07	0.31
Nov 2021	1.38 (0.23)	0.94-1.89	0.17	1.33 (0.18)	0.96-1.68	0.13	1.3 (0.14)	1.01-1.57	0.11
Dec 2021	0.12 (0.06)	0.02-0.24	0.47	0.1 (0.04)	0.03-0.18	0.40	0.1 (0.03)	0.04-0.16	0.34
Jan 2022	0.94 (0.21)	0.58-1.37	0.22	0.92 (0.17)	0.59-1.28	0.19	0.86 (0.13)	0.64-1.13	0.15
Feb 2022	0.74 (0.16)	0.46-1.08	0.22	0.71 (0.14)	0.46-0.97	0.19	0.75 (0.1)	0.57-0.95	0.13
Mar 2022	2.76 (0.73)	1.45-4.24	0.26	3.45 (0.69)	2.16-4.86	0.20	4.07 (0.66)	2.92-5.4	0.16
Apr 2022	1.91 (0.35)	1.29-2.62	0.18	1.83 (0.26)	1.39-2.41	0.14	2.42 (0.28)	1.87-2.96	0.11
May 2022	0.62 (0.12)	0.38-0.88	0.20	0.69 (0.12)	0.48-0.93	0.17	0.75 (0.1)	0.55-0.94	0.14
Jun 2022	0.33 (0.09)	0.19-0.5	0.26	0.36 (0.07)	0.23-0.49	0.20	0.41 (0.08)	0.26-0.56	0.19
Jul 2022	0.46 (0.13)	0.24-0.72	0.28	0.56 (0.17)	0.28-0.91	0.30	0.57 (0.13)	0.33-0.84	0.23
Aug 2022	5.87 (3.74)	0.6-14.48	0.64	4.23 (2.67)	0.61-10.65	0.63	3.39 (1.95)	0.76-7.74	0.58
Sep 2022	0.41 (0.12)	0.21-0.67	0.29	0.4 (0.09)	0.25-0.58	0.22	0.58 (0.11)	0.37-0.82	0.20
Oct 2022	0.41 (0.11)	0.19-0.62	0.27	1.72 (1.11)	0.36-4.18	0.65	1.85 (0.85)	0.72-3.76	0.46
Nov 2022	5.67 (0.91)	4.02-7.55	0.16	5.76 (1.06)	3.93-8.03	0.18	5.64 (0.94)	3.93-7.64	0.17
Dec 2022	2.79 (0.34)	2.14-3.51	0.12	3.48 (0.44)	2.68-4.43	0.13	4.17 (0.59)	3.07-5.35	0.14
Jan 2023	1.61 (0.57)	0.67-2.91	0.35	1.49 (0.42)	0.78-2.43	0.28	1.71 (0.4)	1-2.58	0.24
Feb 2023	1.24 (0.29)	0.79-1.88	0.23	1.42 (0.23)	1-1.88	0.16	1.48 (0.2)	1.12-1.9	0.14

Table 17. DBS - East. Density (birds Per Square Km) of Large gull species recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	1.01
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 18. DBS - East. Density (birds Per Square Km) of Lesser black-backed gull recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0.02 (0.02)	0-0.07	1.00	0.02 (0.02)	0-0.05	0.99	0.01 (0.01)	0-0.04	1.03
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	0.97	0.01 (0.01)	0-0.04	0.97
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.93
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	0.97
Aug 2022	0.05 (0.05)	0-0.14	0.95	0.03 (0.03)	0-0.1	0.97	0.02 (0.02)	0-0.07	0.99
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 19. DBS - East. Density (birds Per Square Km) of Little auk recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 20. DBS - East. Density (birds Per Square Km) of Little gull recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.13 (0.1)	0-0.35	0.74	0.1 (0.07)	0-0.27	0.77
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 21. DBS - East. Density (birds Per Square Km) of Manx shearwater recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.02 (0.02)	0-0.07	0.97	0.02 (0.02)	0-0.05	0.99	0.01 (0.01)	0-0.05	1.04
Aug 2022	0.02 (0.02)	0-0.07	1.00	0.02 (0.02)	0-0.05	1.02	0.01 (0.01)	0-0.04	1.00
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 22. DBS - East. Density (birds Per Square Km) of Puffin recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.02 (0.02)	0-0.07	0.97	0.02 (0.02)	0-0.05	1.02	0.01 (0.01)	0-0.04	0.98
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



Table 23. DBS - East. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.02 (0)	0-0	0	0.02 (0)	0-0	0	0.01 (0.01)	0-0.04	0.98
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 24. DBS - East. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.02 (0)	0-0	0	0.02 (0)	0-0	0	0.01 (0.01)	0-0.04	0.98
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 25. DBS - East. Density (birds Per Square Km) of Razorbill recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.19 (0.08)	0.02-0.36	0.40	0.26 (0.12)	0.07-0.53	0.46	0.23 (0.06)	0.11-0.35	0.27
Apr 2021	0 (0)	0-0		0 (0)	0-0		0.02 (0.01)	0.01-0.04	0.36
May 2021	0 (0)	0-0		0.07 (0.06)	0-0.2	0.97	0.05 (0)	0.05-0.05	0.00
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.62
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.02 (0.02)	0-0.05	0.64	0.02 (0.02)	0-0.05	0.96	0.05 (0.01)	0.04-0.06	0.18
Feb 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.01)	0.01-0.04	0.31
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.12 (0.04)	0.05-0.19	0.33	0.08 (0.05)	0-0.2	0.59	0.08 (0.03)	0.02-0.16	0.41
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0.11 (0.1)	0-0.32	0.92	0.08 (0.03)	0-0.15	0.45
Oct 2022	0.91 (0.25)	0.38-1.39	0.27	1.77 (0.66)	0.59-3.17	0.37	1.79 (0.3)	1.18-2.36	0.17
Nov 2022	0.05 (0.02)	0.02-0.07	0.33	0.03 (0.02)	0-0.08	0.68	0.07 (0.03)	0.01-0.14	0.48
Dec 2022	0.16 (0.07)	0.05-0.3	0.41	0.13 (0.06)	0.03-0.26	0.46	0.12 (0.04)	0.04-0.2	0.35
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0.07 (0.06)	0-0.21	0.87	0.05 (0.05)	0-0.15	0.94	0.06 (0.04)	0-0.13	0.60

Table 26. DBS - East. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.26 (0.11)	0.03-0.5	0.40	0.35 (0.16)	0.09-0.69	0.46	0.3 (0.08)	0.14-0.46	0.27
Apr 2021	0 (0)	0-0		0 (0)	0-0		0.04 (0.01)	0.02-0.05	0.36
May 2021	0 (0)	0-0		0.07 (0.06)	0-0.2	0.97	0.05 (0)	0.05-0.05	0.00
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0.02 (0.01)	0-0.05	0.62
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.02 (0.02)	0-0.05	0.64	0.02 (0.02)	0-0.05	0.96	0.05 (0.01)	0.04-0.06	0.18
Feb 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.01)	0.01-0.04	0.31
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.12 (0.04)	0.05-0.19	0.33	0.08 (0.05)	0-0.2	0.59	0.08 (0.03)	0.02-0.16	0.41
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0.11 (0.1)	0-0.32	0.92	0.08 (0.03)	0-0.15	0.45
Oct 2022	1.01 (0.27)	0.42-1.54	0.27	1.89 (0.7)	0.63-3.37	0.37	1.87 (0.32)	1.23-2.47	0.17
Nov 2022	0.09 (0.03)	0.05-0.14	0.33	0.05 (0.03)	0-0.12	0.68	0.12 (0.06)	0.02-0.24	0.48
Dec 2022	0.16 (0.07)	0.05-0.3	0.41	0.14 (0.07)	0.04-0.29	0.46	0.14 (0.05)	0.04-0.24	0.35
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0.07 (0.06)	0-0.21	0.87	0.05 (0.05)	0-0.15	0.94	0.06 (0.04)	0-0.13	0.60

Table 27. DBS - East. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.26 (0.11)	0.03-0.5	0.40	0.35 (0.16)	0.09-0.69	0.46	0.3 (0.08)	0.14-0.46	0.27
Apr 2021	0 (0)	0-0		0 (0)	0-0		0.04 (0.01)	0.02-0.05	0.36
May 2021	0 (0)	0-0		0.07 (0.06)	0-0.2	0.97	0.05 (0)	0.05-0.05	0.00
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0.02 (0.01)	0-0.05	0.62
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.02 (0.02)	0-0.05	0.64	0.02 (0.02)	0-0.05	0.96	0.05 (0.01)	0.04-0.06	0.18
Feb 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.01)	0.01-0.04	0.31
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.12 (0.04)	0.05-0.19	0.33	0.08 (0.05)	0-0.2	0.59	0.08 (0.03)	0.02-0.16	0.41
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0.11 (0.1)	0-0.32	0.92	0.08 (0.03)	0-0.15	0.45
Oct 2022	1.01 (0.27)	0.42-1.54	0.27	1.89 (0.7)	0.63-3.37	0.37	1.87 (0.32)	1.23-2.47	0.17
Nov 2022	0.09 (0.03)	0.05-0.14	0.33	0.05 (0.03)	0-0.12	0.68	0.12 (0.06)	0.02-0.24	0.48
Dec 2022	0.16 (0.07)	0.05-0.3	0.41	0.14 (0.07)	0.04-0.29	0.46	0.14 (0.05)	0.04-0.24	0.35
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0.07 (0.06)	0-0.21	0.87	0.05 (0.05)	0-0.15	0.94	0.06 (0.04)	0-0.13	0.60

Table 28. DBS - East. Density (birds Per Square Km) of Small gull species recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	1.07	0.01 (0.01)	0-0.04	0.98
Oct 2021	0 (0)	0-0		0.02 (0.02)	0-0.05	1.01	0.04 (0.02)	0-0.08	0.57
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0.1 (0.05)	0.02-0.19	0.50	0.08 (0.04)	0.02-0.17	0.45	0.06 (0.03)	0.01-0.12	0.45
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	0.99	0.02 (0.02)	0-0.06	0.68
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0.03 (0.02)	0-0.08	0.72	0.02 (0.02)	0-0.06	0.69
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 29. DBS - East. Density (birds Per Square Km) of Tern species recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	1	0.01 (0.01)	0-0.04	0.91
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 30. DBSouth - West. Density (birds Per Square Km) of Arctic skua recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.07	0.97	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	1.02
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



Table 31. DBSouth - West. Density (birds Per Square Km) of Arctic tern recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.81
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.05 (0.05)	0-0.14	0.97	0.03 (0.03)	0-0.06	0.78	0.02 (0.02)	0-0.05	0.77
Aug 2022	0.12 (0.09)	0-0.31	0.72	0.13 (0.04)	0.05-0.21	0.32	0.17 (0.06)	0.06-0.29	0.35
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 32. DBSouth - West. Density (birds Per Square Km) of Black-backed gull species recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.02 (0.02)	0-0.07	0.98	0.02 (0.02)	0-0.05	0.96	0.01 (0.01)	0-0.04	0.99
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 33. DBSouth - West. Density (birds Per Square Km) of Commic tern recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0.05 (0.03)	0-0.12	0.67	0.03 (0.02)	0-0.07	0.56	0.06 (0.03)	0.01-0.11	0.44
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.02 (0.02)	0-0.07	0.94	0.02 (0.01)	0-0.05	0.77	0.05 (0.04)	0-0.13	0.74
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.07 (0.04)	0-0.16	0.63	0.11 (0.04)	0.03-0.19	0.39	0.09 (0.03)	0.04-0.17	0.34
Aug 2022	0.14 (0.1)	0-0.36	0.66	0.16 (0.06)	0.05-0.28	0.35	0.26 (0.1)	0.08-0.46	0.37
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 34. DBSouth - West. Density (birds Per Square Km) of Common gull recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0.02 (0.02)	0-0.06	0.94	0.01 (0.01)	0-0.04	0.93
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.24 (0.13)	0.05-0.53	0.53	0.18 (0.08)	0.05-0.38	0.46	0.17 (0.07)	0.05-0.31	0.40
Sep 2022	0.02 (0.02)	0-0.07	0.94	0.02 (0.02)	0-0.05	0.94	0.01 (0.01)	0-0.04	0.95
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 35. DBSouth - West. Density (birds Per Square Km) of Common tern recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0.02 (0.02)	0-0.07	0.98	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	0.95
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.02 (0.02)	0-0.09	1.05	0.02 (0.02)	0-0.05	1.02	0.01 (0.01)	0-0.05	1.02
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 36. DBSouth - West. Density (birds Per Square Km) of Fulmar recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.02 (0.02)	0-0.07	0.99	0.03 (0.02)	0-0.07	0.48	0.02 (0.02)	0-0.06	0.70
Apr 2021	0.09 (0.07)	0-0.24	0.71	0.08 (0.03)	0.02-0.15	0.39	0.07 (0.04)	0.01-0.15	0.52
May 2021	0.09 (0.05)	0-0.21	0.58	0.11 (0.03)	0.07-0.18	0.26	0.09 (0.04)	0.04-0.18	0.38
Jun 2021	0.02 (0.02)	0-0.07	1.03	0.05 (0.02)	0-0.1	0.48	0.08 (0.05)	0-0.21	0.65
Jul 2021	0.02 (0.02)	0-0.07	1.00	0.03 (0.02)	0-0.07	0.47	0.02 (0.02)	0-0.06	0.70
Aug 2021	0.07 (0.04)	0-0.16	0.57	0.08 (0.03)	0.02-0.14	0.39	0.07 (0.03)	0.02-0.13	0.41
Sep 2021	0.05 (0.03)	0-0.12	0.66	0.12 (0.03)	0.05-0.16	0.26	0.08 (0.03)	0.04-0.14	0.36
Oct 2021	0.05 (0.03)	0-0.12	0.70	0.03 (0.02)	0-0.06	0.49	0.02 (0.02)	0-0.06	0.70
Nov 2021	0.08 (0.05)	0-0.19	0.57	0.11 (0.04)	0.04-0.19	0.36	0.18 (0.06)	0.08-0.31	0.31
Dec 2021	0 (0)	0-0		0.03 (0.02)	0-0.07	0.67	0.02 (0.02)	0-0.07	0.98
Jan 2022	0.09 (0.06)	0-0.21	0.61	0.07 (0.03)	0.02-0.11	0.43	0.05 (0.03)	0-0.11	0.60
Feb 2022	0.02 (0.02)	0-0.07	0.97	0.05 (0.02)	0-0.1	0.48	0.06 (0.03)	0.01-0.13	0.52
Mar 2022	0.02 (0.02)	0-0.09	1.03	0.03 (0.02)	0-0.06	0.49	0.02 (0.02)	0-0.06	0.73
Apr 2022	0.09 (0.06)	0-0.21	0.60	0.06 (0.03)	0.02-0.11	0.42	0.09 (0.05)	0.01-0.21	0.55
May 2022	0.09 (0.05)	0.02-0.19	0.48	0.07 (0.02)	0.03-0.1	0.33	0.07 (0.03)	0.02-0.13	0.40
Jun 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.96
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.02)	0-0.07	0.98
Sep 2022	0.05 (0.03)	0-0.12	0.66	0.05 (0.02)	0.02-0.08	0.31	0.05 (0.02)	0.01-0.1	0.48
Oct 2022	0.07 (0.04)	0-0.17	0.56	0.16 (0.05)	0.07-0.26	0.31	0.16 (0.05)	0.07-0.25	0.30
Nov 2022	0.05 (0.03)	0-0.12	0.68	0.05 (0.02)	0.02-0.08	0.39	0.05 (0.02)	0.01-0.1	0.48
Dec 2022	0.05 (0.03)	0-0.12	0.68	0.05 (0.02)	0.02-0.08	0.32	0.05 (0.02)	0.01-0.1	0.49
Jan 2023	0.09 (0.05)	0.02-0.19	0.49	0.11 (0.02)	0.08-0.14	0.19	0.09 (0.03)	0.04-0.16	0.36
Feb 2023	0.21 (0.07)	0.09-0.35	0.32	0.19 (0.04)	0.13-0.26	0.19	0.2 (0.05)	0.12-0.3	0.23

Table 37. DBSouth - West. Density (birds Per Square Km) of Gannet recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.19 (0.07)	0.05-0.34	0.38	0.15 (0.05)	0.07-0.25	0.30	0.17 (0.04)	0.1-0.26	0.23
Apr 2021	0.42 (0.11)	0.21-0.64	0.26	0.45 (0.08)	0.31-0.62	0.18	0.42 (0.06)	0.31-0.54	0.15
May 2021	0.28 (0.06)	0.16-0.4	0.20	0.28 (0.06)	0.18-0.39	0.20	0.4 (0.08)	0.25-0.57	0.20
Jun 2021	0 (0)	0-0		0.07 (0.05)	0-0.13	0.76	0.08 (0.04)	0.01-0.17	0.50
Jul 2021	0.02 (0.02)	0-0.05	0.75	0.05 (0.03)	0-0.1	0.55	0.05 (0.02)	0.01-0.1	0.47
Aug 2021	0.35 (0.07)	0.21-0.49	0.19	0.26 (0.05)	0.14-0.37	0.21	0.22 (0.04)	0.15-0.29	0.17
Sep 2021	0.41 (0.06)	0.29-0.53	0.15	0.39 (0.06)	0.28-0.53	0.16	0.4 (0.06)	0.29-0.52	0.15
Oct 2021	0.38 (0.08)	0.24-0.55	0.20	0.36 (0.08)	0.19-0.52	0.24	0.35 (0.07)	0.21-0.5	0.21
Nov 2021	0.42 (0.14)	0.17-0.67	0.34	0.34 (0.11)	0.13-0.57	0.33	0.29 (0.09)	0.12-0.49	0.32
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0.02 (0.02)	0-0.05	0.76	0.03 (0.03)	0-0.08	0.78	0.05 (0.02)	0.01-0.09	0.47
Apr 2022	1.49 (0.3)	0.92-2.09	0.20	1.49 (0.33)	0.89-2.16	0.22	1.41 (0.23)	0.97-1.9	0.16
May 2022	0.24 (0.08)	0.09-0.4	0.35	0.41 (0.1)	0.23-0.62	0.25	0.42 (0.1)	0.24-0.62	0.23
Jun 2022	0.02 (0.02)	0-0.07	0.78	0.06 (0.03)	0.02-0.13	0.49	0.05 (0.02)	0-0.1	0.50
Jul 2022	0.21 (0.08)	0.05-0.38	0.40	0.16 (0.06)	0.05-0.28	0.36	0.17 (0.05)	0.08-0.26	0.28
Aug 2022	0.17 (0.03)	0.12-0.22	0.16	0.13 (0.03)	0.08-0.2	0.22	0.13 (0.03)	0.08-0.18	0.21
Sep 2022	0.22 (0.06)	0.1-0.33	0.30	0.23 (0.05)	0.13-0.33	0.24	0.34 (0.07)	0.19-0.5	0.22
Oct 2022	0.86 (0.13)	0.62-1.1	0.15	0.75 (0.11)	0.54-0.96	0.14	0.72 (0.08)	0.55-0.88	0.12
Nov 2022	0.83 (0.15)	0.55-1.09	0.18	0.92 (0.17)	0.63-1.25	0.18	0.72 (0.12)	0.49-0.96	0.17
Dec 2022	0.14 (0.05)	0.05-0.24	0.34	0.18 (0.06)	0.07-0.3	0.32	0.16 (0.04)	0.07-0.24	0.28
Jan 2023	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.81
Feb 2023	0.05 (0.02)	0-0.09	0.51	0.05 (0.02)	0.02-0.1	0.45	0.04 (0.02)	0-0.07	0.48

Table 38. DBSouth - West. Density (birds Per Square Km) of Great black-backed gull recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	1.04
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0.07 (0.07)	0-0.2	1.02	0.05 (0.05)	0-0.15	0.96
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	1.01
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0.07 (0.04)	0-0.16	0.67	0.06 (0.04)	0-0.14	0.60
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.02)	0-0.07	0.97
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.02 (0.02)	0-0.07	0.96	0.05 (0.03)	0-0.11	0.58	0.04 (0.02)	0-0.08	0.58
Oct 2022	0.02 (0.02)	0-0.07	0.98	0.02 (0.02)	0-0.05	1.00	0.01 (0.01)	0-0.04	0.99
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0.05 (0.03)	0-0.12	0.71
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0.02 (0.02)	0-0.07	1.02	0.03 (0.02)	0-0.08	0.68	0.02 (0.02)	0-0.06	0.72



Table 39. DBSouth - West. Density (birds Per Square Km) of Great northern diver recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0.02 (0.03)	0-0.1	1.04	0.02 (0.02)	0-0.05	0.99	0.01 (0.01)	0-0.04	0.98
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 40. DBSouth - West. Density (birds Per Square Km) of Great skua recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0.02 (0.02)	0-0.07	1.02	0.02 (0.02)	0-0.05	0.99	0.01 (0.01)	0-0.04	0.98
Oct 2021	0.02 (0.02)	0-0.07	0.97	0.02 (0.02)	0-0.05	1.02	0.01 (0.01)	0-0.04	0.98
Nov 2021	0.03 (0.03)	0-0.11	1.04	0.02 (0.02)	0-0.06	0.99	0.03 (0.02)	0-0.07	0.69
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.02)	0-0.07	0.94
Sep 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	1.02
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.97
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 41. DBSouth - West. Density (birds Per Square Km) of Guillemot recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.77 (0.27)	0.29-1.35	0.35	0.78 (0.22)	0.35-1.18	0.28	0.78 (0.14)	0.5-1.07	0.19
Apr 2021	0.12 (0.05)	0.02-0.21	0.44	0.15 (0.06)	0.03-0.26	0.41	0.12 (0.05)	0.04-0.23	0.42
May 2021	0.05 (0.02)	0-0.09	0.47	0.05 (0.02)	0.02-0.08	0.37	0.06 (0.03)	0.01-0.12	0.49
Jun 2021	0 (0)	0-0		0.02 (0.01)	0-0.05	0.81	0.01 (0.01)	0-0.04	0.91
Jul 2021	0.09 (0.07)	0-0.26	0.69	0.07 (0.04)	0-0.15	0.62	0.1 (0.04)	0.02-0.19	0.46
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.17 (0.09)	0-0.36	0.53	0.19 (0.07)	0.06-0.32	0.34	0.17 (0.05)	0.07-0.28	0.32
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.05 (0.03)	0-0.09	0.60	0.08 (0.03)	0.03-0.15	0.36	0.06 (0.02)	0.01-0.11	0.41
Feb 2022	0.05 (0.03)	0-0.12	0.61	0.03 (0.02)	0-0.06	0.51	0.02 (0.01)	0-0.05	0.54
Mar 2022	0.12 (0.06)	0-0.23	0.53	0.11 (0.05)	0.03-0.21	0.41	0.15 (0.06)	0.05-0.28	0.41
Apr 2022	0.64 (0.24)	0.24-1.14	0.37	0.68 (0.18)	0.36-1.05	0.27	0.7 (0.16)	0.43-1.03	0.24
May 2022	0.31 (0.06)	0.19-0.43	0.21	0.31 (0.07)	0.18-0.44	0.22	0.25 (0.06)	0.14-0.37	0.23
Jun 2022	0.02 (0.02)	0-0.07	0.89	0.02 (0.01)	0-0.05	0.79	0.01 (0.01)	0-0.04	0.89
Jul 2022	0.05 (0.03)	0-0.09	0.59	0.06 (0.03)	0.02-0.11	0.45	0.11 (0.05)	0.02-0.2	0.45
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.12 (0.08)	0-0.29	0.63	0.2 (0.08)	0.03-0.36	0.43	0.14 (0.06)	0.05-0.26	0.41
Oct 2022	0.19 (0.09)	0.02-0.38	0.46	0.21 (0.06)	0.1-0.33	0.27	0.18 (0.07)	0.05-0.32	0.40
Nov 2022	0.69 (0.23)	0.31-1.19	0.33	0.63 (0.16)	0.31-0.91	0.25	0.55 (0.11)	0.35-0.77	0.20
Dec 2022	0.07 (0.04)	0-0.14	0.49	0.1 (0.03)	0.03-0.17	0.32	0.09 (0.03)	0.04-0.15	0.33
Jan 2023	0.28 (0.09)	0.12-0.46	0.33	0.33 (0.09)	0.17-0.51	0.26	0.37 (0.09)	0.21-0.55	0.23
Feb 2023	0.42 (0.15)	0.19-0.76	0.35	0.34 (0.09)	0.18-0.53	0.28	0.46 (0.12)	0.24-0.71	0.26

Table 42. DBSouth - West. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.87 (0.31)	0.33-1.52	0.35	0.92 (0.26)	0.41-1.39	0.28	0.88 (0.16)	0.56-1.21	0.19
Apr 2021	0.17 (0.07)	0.03-0.3	0.44	0.21 (0.09)	0.05-0.37	0.41	0.17 (0.07)	0.05-0.32	0.42
May 2021	0.05 (0.02)	0-0.09	0.47	0.07 (0.02)	0.02-0.11	0.37	0.07 (0.03)	0.01-0.14	0.49
Jun 2021	0 (0)	0-0		0.02 (0.01)	0-0.05	0.81	0.01 (0.01)	0-0.04	0.91
Jul 2021	0.09 (0.07)	0-0.26	0.69	0.07 (0.04)	0-0.15	0.62	0.1 (0.04)	0.02-0.19	0.46
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.25 (0.13)	0-0.54	0.53	0.25 (0.08)	0.07-0.42	0.34	0.22 (0.07)	0.09-0.37	0.32
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.09 (0.06)	0-0.19	0.60	0.11 (0.04)	0.05-0.21	0.36	0.11 (0.04)	0.02-0.19	0.41
Feb 2022	0.14 (0.08)	0-0.35	0.61	0.1 (0.05)	0-0.19	0.51	0.09 (0.05)	0-0.19	0.54
Mar 2022	0.21 (0.11)	0-0.42	0.53	0.18 (0.07)	0.05-0.33	0.41	0.2 (0.08)	0.06-0.37	0.41
Apr 2022	0.66 (0.25)	0.25-1.18	0.37	0.74 (0.2)	0.39-1.15	0.27	0.75 (0.18)	0.46-1.1	0.24
May 2022	0.31 (0.06)	0.19-0.43	0.21	0.31 (0.07)	0.18-0.44	0.22	0.25 (0.06)	0.14-0.37	0.23
Jun 2022	0.02 (0.02)	0-0.07	0.89	0.02 (0.01)	0-0.05	0.79	0.01 (0.01)	0-0.04	0.89
Jul 2022	0.05 (0.03)	0-0.09	0.59	0.06 (0.03)	0.02-0.11	0.45	0.11 (0.05)	0.02-0.2	0.45
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.19 (0.12)	0-0.46	0.63	0.26 (0.11)	0.04-0.48	0.43	0.2 (0.08)	0.07-0.37	0.41
Oct 2022	0.33 (0.15)	0.04-0.67	0.46	0.34 (0.09)	0.16-0.53	0.27	0.26 (0.11)	0.07-0.47	0.40
Nov 2022	0.83 (0.27)	0.37-1.43	0.33	0.74 (0.19)	0.37-1.07	0.25	0.68 (0.14)	0.43-0.95	0.20
Dec 2022	0.07 (0.04)	0-0.14	0.49	0.1 (0.03)	0.03-0.17	0.32	0.09 (0.03)	0.04-0.15	0.33
Jan 2023	0.32 (0.11)	0.14-0.54	0.33	0.49 (0.13)	0.26-0.75	0.26	0.54 (0.13)	0.3-0.79	0.23
Feb 2023	0.45 (0.16)	0.2-0.8	0.35	0.35 (0.1)	0.19-0.56	0.28	0.47 (0.12)	0.24-0.73	0.26

Table 43. DBSouth - West. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.87 (0.31)	0.33-1.52	0.35	0.92 (0.26)	0.41-1.39	0.28	0.88 (0.16)	0.56-1.21	0.19
Apr 2021	0.17 (0.07)	0.03-0.3	0.44	0.21 (0.09)	0.05-0.37	0.41	0.17 (0.07)	0.05-0.32	0.42
May 2021	0.05 (0.02)	0-0.09	0.47	0.07 (0.02)	0.02-0.11	0.37	0.07 (0.03)	0.01-0.14	0.49
Jun 2021	0 (0)	0-0		0.02 (0.01)	0-0.05	0.81	0.01 (0.01)	0-0.04	0.91
Jul 2021	0.09 (0.07)	0-0.26	0.69	0.07 (0.04)	0-0.15	0.62	0.1 (0.04)	0.02-0.19	0.46
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.25 (0.13)	0-0.54	0.53	0.25 (0.08)	0.07-0.42	0.34	0.22 (0.07)	0.09-0.37	0.32
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.09 (0.06)	0-0.19	0.60	0.11 (0.04)	0.05-0.21	0.36	0.11 (0.04)	0.02-0.19	0.41
Feb 2022	0.14 (0.08)	0-0.35	0.61	0.1 (0.05)	0-0.19	0.51	0.09 (0.05)	0-0.19	0.54
Mar 2022	0.21 (0.11)	0-0.42	0.53	0.18 (0.07)	0.05-0.33	0.41	0.2 (0.08)	0.06-0.37	0.41
Apr 2022	0.66 (0.25)	0.25-1.18	0.37	0.74 (0.2)	0.39-1.15	0.27	0.75 (0.18)	0.46-1.1	0.24
May 2022	0.31 (0.06)	0.19-0.43	0.21	0.31 (0.07)	0.18-0.44	0.22	0.25 (0.06)	0.14-0.37	0.23
Jun 2022	0.02 (0.02)	0-0.07	0.89	0.02 (0.01)	0-0.05	0.79	0.01 (0.01)	0-0.04	0.89
Jul 2022	0.05 (0.03)	0-0.09	0.59	0.06 (0.03)	0.02-0.11	0.45	0.11 (0.05)	0.02-0.2	0.45
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.19 (0.12)	0-0.46	0.63	0.26 (0.11)	0.04-0.48	0.43	0.2 (0.08)	0.07-0.37	0.41
Oct 2022	0.33 (0.15)	0.04-0.67	0.46	0.34 (0.09)	0.16-0.53	0.27	0.26 (0.11)	0.07-0.47	0.40
Nov 2022	0.83 (0.27)	0.37-1.43	0.33	0.74 (0.19)	0.37-1.07	0.25	0.68 (0.14)	0.43-0.95	0.20
Dec 2022	0.07 (0.04)	0-0.14	0.49	0.1 (0.03)	0.03-0.17	0.32	0.09 (0.03)	0.04-0.15	0.33
Jan 2023	0.32 (0.11)	0.14-0.54	0.33	0.49 (0.13)	0.26-0.75	0.26	0.54 (0.13)	0.3-0.79	0.23
Feb 2023	0.45 (0.16)	0.2-0.8	0.35	0.35 (0.1)	0.19-0.56	0.28	0.47 (0.12)	0.24-0.73	0.26

Table 44. DBSouth - West. Density (birds Per Square Km) of Herring gull recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	1.03	0.02 (0.02)	0-0.06	0.71
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0.04 (0.03)	0-0.11	0.78
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.02 (0.02)	0-0.07	1.04	0.02 (0.02)	0-0.05	1.00	0.01 (0.01)	0-0.04	0.98
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0.03 (0.03)	0-0.1	0.92	0.02 (0.02)	0-0.07	1.00
Aug 2022	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	0.97	0.04 (0.03)	0-0.1	0.71
Sep 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.96	0.01 (0.01)	0-0.04	0.97
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0.05 (0.03)	0-0.12	0.69	0.03 (0.02)	0-0.08	0.72	0.02 (0.02)	0-0.06	0.72
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 45. DBSouth - West. Density (birds Per Square Km) of Kittiwake recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	2.7 (0.61)	1.62-3.96	0.23	3 (0.78)	1.67-4.71	0.26	2.97 (0.66)	1.82-4.41	0.22
Apr 2021	2.31 (0.6)	1.2-3.54	0.26	2.69 (0.65)	1.52-4.02	0.24	2.25 (0.52)	1.35-3.4	0.23
May 2021	1.24 (0.24)	0.78-1.74	0.19	1.16 (0.17)	0.81-1.5	0.15	1.12 (0.13)	0.88-1.36	0.11
Jun 2021	0.27 (0.07)	0.14-0.41	0.27	0.23 (0.06)	0.13-0.35	0.25	0.25 (0.05)	0.16-0.35	0.20
Jul 2021	0.38 (0.1)	0.19-0.59	0.28	0.41 (0.09)	0.25-0.61	0.22	0.37 (0.07)	0.23-0.5	0.19
Aug 2021	0.02 (0.02)	0-0.07	0.93	0.03 (0.02)	0-0.08	0.64	0.07 (0.03)	0.01-0.14	0.48
Sep 2021	0.17 (0.09)	0-0.36	0.55	0.2 (0.07)	0.07-0.35	0.37	0.23 (0.07)	0.1-0.39	0.33
Oct 2021	1.17 (0.42)	0.48-2.09	0.36	0.99 (0.29)	0.47-1.61	0.30	0.79 (0.21)	0.41-1.22	0.27
Nov 2021	0.81 (0.17)	0.47-1.14	0.21	0.67 (0.14)	0.42-0.93	0.21	0.71 (0.11)	0.51-0.93	0.15
Dec 2021	0.17 (0.09)	0-0.36	0.54	0.11 (0.06)	0.02-0.26	0.56	0.14 (0.06)	0.05-0.28	0.41
Jan 2022	0.95 (0.19)	0.59-1.33	0.20	1.14 (0.17)	0.82-1.47	0.15	1.14 (0.16)	0.83-1.46	0.14
Feb 2022	0.81 (0.19)	0.49-1.21	0.24	0.76 (0.13)	0.51-1.04	0.17	0.87 (0.13)	0.61-1.12	0.15
Mar 2022	1.21 (0.35)	0.63-1.98	0.29	1.23 (0.29)	0.69-1.83	0.23	2.08 (0.39)	1.38-2.88	0.19
Apr 2022	4.98 (1.63)	2.37-8.44	0.33	5.26 (1.54)	2.79-8.78	0.29	5.08 (1.11)	3.19-7.33	0.22
May 2022	1.23 (0.28)	0.74-1.83	0.23	1.27 (0.19)	0.9-1.68	0.15	1.13 (0.19)	0.78-1.51	0.17
Jun 2022	0.62 (0.15)	0.33-0.9	0.24	0.65 (0.13)	0.41-0.93	0.20	0.81 (0.17)	0.5-1.16	0.21
Jul 2022	1.41 (0.47)	0.56-2.37	0.33	1.12 (0.32)	0.55-1.79	0.29	0.88 (0.23)	0.5-1.35	0.26
Aug 2022	9.31 (6.42)	1.2-23.87	0.69	7.54 (4.49)	1.56-17.68	0.60	7.11 (3.5)	1.71-14.92	0.49
Sep 2022	1.1 (0.43)	0.36-2.01	0.39	1.47 (0.49)	0.62-2.53	0.33	1.48 (0.47)	0.7-2.54	0.32
Oct 2022	0.95 (0.17)	0.62-1.31	0.18	1.02 (0.19)	0.68-1.41	0.18	0.87 (0.16)	0.58-1.2	0.18
Nov 2022	4.18 (0.63)	2.94-5.39	0.15	5.16 (0.79)	3.77-6.81	0.15	4.99 (0.56)	4.01-6.13	0.11
Dec 2022	2.63 (0.58)	1.62-3.91	0.22	2.67 (0.37)	1.96-3.4	0.14	2.42 (0.3)	1.85-3.01	0.12
Jan 2023	1.25 (0.25)	0.79-1.76	0.20	1.16 (0.21)	0.76-1.59	0.18	1.08 (0.16)	0.77-1.39	0.15
Feb 2023	1.61 (0.36)	0.92-2.27	0.22	1.81 (0.29)	1.26-2.4	0.16	1.77 (0.24)	1.29-2.19	0.13

Table 46. DBSouth - West. Density (birds Per Square Km) of Large gull species recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.02)	0-0.07	1.01
Nov 2022	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	0.94	0.01 (0.01)	0-0.04	0.95
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



Table 47. DBSouth - West. Density (birds Per Square Km) of Lesser black-backed gull recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.02 (0.02)	0-0.07	0.99	0.02 (0.02)	0-0.05	0.94	0.01 (0.01)	0-0.04	0.95
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 48. DBSouth - West. Density (birds Per Square Km) of Little auk recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0.05 (0.05)	0-0.15	0.98	0.04 (0.04)	0-0.11	1.01
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 49. DBSouth - West. Density (birds Per Square Km) of Little gull recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.07 (0.07)	0-0.2	1.02	0.05 (0.05)	0-0.14	0.97
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 50. DBSouth - West. Density (birds Per Square Km) of Puffin recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.02)	0-0.07	0.97
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 51. DBSouth - West. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.02)	0-0.07	0.97
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 52. DBSouth - West. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.02)	0-0.07	0.97
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 53. DBSouth - West. Density (birds Per Square Km) of Razorbill recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.02 (0.02)	0-0.07	0.96	0.02 (0.01)	0-0.05	0.88	0.12 (0.05)	0.02-0.22	0.42
Apr 2021	0.02 (0.02)	0-0.07	0.97	0.02 (0.01)	0-0.05	0.86	0.01 (0.01)	0-0.04	0.84
May 2021	0.14 (0.08)	0-0.33	0.57	0.1 (0.05)	0.03-0.2	0.50	0.07 (0.04)	0-0.14	0.50
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0.04 (0.03)	0-0.11	0.89	0.03 (0.02)	0-0.08	0.85
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0.05 (0.05)	0-0.14	1.00	0.03 (0.03)	0-0.1	0.87	0.02 (0.02)	0-0.07	0.87
Mar 2022	0.05 (0.05)	0-0.14	0.98	0.08 (0.05)	0-0.19	0.64	0.15 (0.09)	0-0.33	0.56
Apr 2022	0.33 (0.23)	0-0.85	0.71	0.23 (0.14)	0-0.55	0.62	0.2 (0.1)	0.02-0.43	0.52
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.02 (0.02)	0-0.07	0.95	0.13 (0.07)	0.02-0.28	0.53	0.1 (0.05)	0.01-0.2	0.56
Oct 2022	0.93 (0.59)	0.05-2.29	0.64	0.67 (0.37)	0.05-1.45	0.56	0.63 (0.24)	0.18-1.12	0.39
Nov 2022	0.33 (0.15)	0.07-0.64	0.44	0.31 (0.12)	0.1-0.59	0.38	0.29 (0.09)	0.12-0.47	0.31
Dec 2022	0.07 (0.05)	0-0.19	0.73	0.07 (0.03)	0.02-0.13	0.48	0.05 (0.02)	0.01-0.1	0.47
Jan 2023	0.09 (0.06)	0-0.21	0.60	0.06 (0.03)	0.02-0.13	0.47	0.05 (0.02)	0-0.09	0.52
Feb 2023	0.31 (0.14)	0.07-0.59	0.45	0.23 (0.08)	0.08-0.39	0.35	0.18 (0.06)	0.07-0.31	0.34

Table 54. DBSouth - West. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.02 (0.02)	0-0.07	0.96	0.02 (0.01)	0-0.05	0.88	0.13 (0.06)	0.03-0.24	0.42
Apr 2021	0.02 (0.02)	0-0.07	0.97	0.02 (0.01)	0-0.05	0.86	0.01 (0.01)	0-0.04	0.84
May 2021	0.19 (0.11)	0-0.44	0.57	0.11 (0.06)	0.04-0.23	0.50	0.08 (0.04)	0-0.17	0.50
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0.04 (0.03)	0-0.11	0.89	0.03 (0.02)	0-0.08	0.85
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0.14 (0.14)	0-0.42	1.00	0.1 (0.08)	0-0.29	0.87	0.09 (0.08)	0-0.28	0.87
Mar 2022	0.07 (0.07)	0-0.21	0.98	0.13 (0.08)	0-0.31	0.64	0.2 (0.11)	0-0.43	0.56
Apr 2022	0.33 (0.23)	0-0.85	0.71	0.24 (0.15)	0-0.59	0.62	0.21 (0.11)	0.03-0.45	0.52
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.05 (0.05)	0-0.14	0.95	0.16 (0.09)	0.02-0.35	0.53	0.13 (0.07)	0.02-0.28	0.56
Oct 2022	1.57 (1)	0.08-3.88	0.64	1.07 (0.6)	0.08-2.33	0.56	0.94 (0.36)	0.27-1.67	0.39
Nov 2022	0.4 (0.18)	0.09-0.78	0.44	0.36 (0.14)	0.11-0.69	0.38	0.36 (0.11)	0.15-0.59	0.31
Dec 2022	0.07 (0.05)	0-0.19	0.73	0.07 (0.03)	0.02-0.13	0.48	0.05 (0.02)	0.01-0.1	0.47
Jan 2023	0.12 (0.07)	0-0.26	0.60	0.1 (0.04)	0.02-0.19	0.47	0.07 (0.04)	0-0.14	0.52
Feb 2023	0.31 (0.14)	0.07-0.59	0.45	0.24 (0.09)	0.09-0.42	0.35	0.19 (0.07)	0.08-0.33	0.34



Table 55. DBSouth - West. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.02 (0.02)	0-0.07	0.96	0.02 (0.01)	0-0.05	0.88	0.13 (0.06)	0.03-0.24	0.42
Apr 2021	0.02 (0.02)	0-0.07	0.97	0.02 (0.01)	0-0.05	0.86	0.01 (0.01)	0-0.04	0.84
May 2021	0.19 (0.11)	0-0.44	0.57	0.11 (0.06)	0.04-0.23	0.50	0.08 (0.04)	0-0.17	0.50
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0.04 (0.03)	0-0.11	0.89	0.03 (0.02)	0-0.08	0.85
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0.14 (0.14)	0-0.42	1.00	0.1 (0.08)	0-0.29	0.87	0.09 (0.08)	0-0.28	0.87
Mar 2022	0.07 (0.07)	0-0.21	0.98	0.13 (0.08)	0-0.31	0.64	0.2 (0.11)	0-0.43	0.56
Apr 2022	0.33 (0.23)	0-0.85	0.71	0.24 (0.15)	0-0.59	0.62	0.21 (0.11)	0.03-0.45	0.52
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.05 (0.05)	0-0.14	0.95	0.16 (0.09)	0.02-0.35	0.53	0.13 (0.07)	0.02-0.28	0.56
Oct 2022	1.57 (1)	0.08-3.88	0.64	1.07 (0.6)	0.08-2.33	0.56	0.94 (0.36)	0.27-1.67	0.39
Nov 2022	0.4 (0.18)	0.09-0.78	0.44	0.36 (0.14)	0.11-0.69	0.38	0.36 (0.11)	0.15-0.59	0.31
Dec 2022	0.07 (0.05)	0-0.19	0.73	0.07 (0.03)	0.02-0.13	0.48	0.05 (0.02)	0.01-0.1	0.47
Jan 2023	0.12 (0.07)	0-0.26	0.60	0.1 (0.04)	0.02-0.19	0.47	0.07 (0.04)	0-0.14	0.52
Feb 2023	0.31 (0.14)	0.07-0.59	0.45	0.24 (0.09)	0.09-0.42	0.35	0.19 (0.07)	0.08-0.33	0.34

Table 56. DBSouth - West. Density (birds Per Square Km) of Red-throated diver recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 57. DBSouth - West. Density (birds Per Square Km) of Skua species recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0.05 (0.05)	0-0.14	0.97	0.03 (0.03)	0-0.1	1.0	0.02 (0.02)	0-0.07	1.02
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.02 (0.02)	0-0.07	0.92	0.07 (0.04)	0-0.15	0.6	0.05 (0.03)	0-0.11	0.58
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 58. DBSouth - West. Density (birds Per Square Km) of Small gull species recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.07	0.95	0.02 (0.02)	0-0.05	0.97	0.01 (0.01)	0-0.04	1.01
Sep 2022	0.02 (0.02)	0-0.07	0.99	0.05 (0.04)	0-0.13	0.75	0.04 (0.03)	0-0.1	0.71
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0.05 (0.03)	0-0.13	0.71	0.06 (0.03)	0-0.13	0.56
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 59. DBSouth - West. Density (birds Per Square Km) of Tern species recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.07	0.98	0.03 (0.02)	0-0.08	0.68	0.02 (0.02)	0-0.06	0.73
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 60. DBS - East & West. Density (birds Per Square Km) of Arctic skua recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.96
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0.01 (0.01)	0-0.04	1.03	0.01 (0.01)	0-0.02	1.00	0.01 (0.01)	0-0.02	0.99
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.01 (0.01)	0-0.04	0.96	0.01 (0.01)	0-0.02	0.97	0.01 (0.01)	0-0.02	1.01
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 61. DBS - East & West. Density (birds Per Square Km) of Arctic tern recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0.02 (0.02)	0-0.07	0.84	0.02 (0.01)	0-0.03	0.66	0.02 (0.01)	0-0.04	0.48
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.06 (0.03)	0-0.13	0.57	0.07 (0.03)	0.02-0.13	0.40	0.07 (0.02)	0.03-0.11	0.30
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.04 (0.03)	0-0.09	0.73	0.02 (0.01)	0-0.05	0.57	0.02 (0.01)	0-0.04	0.59
Aug 2022	0.17 (0.06)	0.06-0.29	0.36	0.17 (0.04)	0.07-0.27	0.21	0.2 (0.04)	0.1-0.32	0.20
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 62. DBS - East & West. Density (birds Per Square Km) of Black-backed gull species recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0.01 (0)	0-0.02	0.00	0.01 (0)	0-0.02	0.00
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0.01 (0.01)	0-0.04	0.96	0.01 (0.01)	0-0.03	0.93	0.01 (0.01)	0-0.02	0.96
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



Table 63. DBS - East & West. Density (birds Per Square Km) of Commic tern recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0.05 (0.03)	0-0.11	0.59	0.04 (0.02)	0-0.09	0.42	0.05 (0.02)	0.01-0.09	0.33
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.11 (0.06)	0.01-0.24	0.57	0.11 (0.05)	0.02-0.21	0.43	0.1 (0.03)	0.03-0.2	0.33
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.05 (0.02)	0-0.09	0.52	0.07 (0.02)	0.02-0.12	0.35	0.05 (0.02)	0.02-0.1	0.32
Aug 2022	0.3 (0.12)	0.1-0.55	0.41	0.25 (0.09)	0.07-0.48	0.34	0.34 (0.07)	0.14-0.55	0.22
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 64. DBS - East & West. Density (birds Per Square Km) of Common gull recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0.01 (0.01)	0-0.04	1.00	0.01 (0.01)	0-0.02	0.98	0.01 (0.01)	0-0.02	0.97
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.02 (0.03)	0-0.08	1.08	0.03 (0.02)	0-0.09	0.63	0.03 (0.01)	0-0.06	0.58
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.14 (0.07)	0.04-0.29	0.45	0.11 (0.04)	0.02-0.23	0.40	0.1 (0.03)	0.02-0.2	0.34
Sep 2022	0.01 (0.01)	0-0.04	0.96	0.01 (0.01)	0-0.02	0.97	0.01 (0.01)	0-0.04	0.67
Oct 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	1.01	0.01 (0.01)	0-0.02	1.03
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0.01 (0.01)	0-0.04	0.95	0.02 (0.01)	0-0.04	0.69	0.01 (0.01)	0-0.03	0.68
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 65. DBS - East & West. Density (birds Per Square Km) of Common scoter recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 66. DBS - East & West. Density (birds Per Square Km) of Common tern recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0.01 (0.01)	0-0.04	0.98	0.01 (0.01)	0-0.02	0.98	0.01 (0.01)	0-0.02	0.96
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0.01 (0.01)	0-0.05	1.05	0.01 (0.01)	0-0.02	1.00	0.01 (0.01)	0-0.02	1.01
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.01 (0.01)	0-0.04	1.03	0.02 (0.01)	0-0.04	0.70	0.01 (0.01)	0-0.03	0.70
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 67. DBS - East & West. Density (birds Per Square Km) of Fulmar recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.01 (0.01)	0-0.04	0.99	0.02 (0.01)	0-0.03	0.48	0.01 (0.01)	0-0.03	0.69
Apr 2021	0.06 (0.03)	0-0.13	0.59	0.05 (0.02)	0.01-0.1	0.35	0.05 (0.02)	0.01-0.11	0.43
May 2021	0.07 (0.03)	0.02-0.13	0.43	0.08 (0.02)	0.03-0.15	0.25	0.07 (0.02)	0.02-0.14	0.30
Jun 2021	0.04 (0.02)	0-0.07	0.51	0.04 (0.02)	0-0.09	0.41	0.05 (0.03)	0-0.13	0.52
Jul 2021	0.01 (0.01)	0-0.04	1.00	0.02 (0.01)	0-0.06	0.46	0.02 (0.01)	0-0.05	0.58
Aug 2021	0.08 (0.03)	0.04-0.14	0.34	0.09 (0.02)	0.02-0.16	0.28	0.1 (0.02)	0.04-0.16	0.24
Sep 2021	0.05 (0.02)	0.01-0.1	0.43	0.1 (0.02)	0.03-0.16	0.23	0.1 (0.02)	0.04-0.17	0.25
Oct 2021	0.05 (0.02)	0.01-0.1	0.44	0.03 (0.01)	0-0.07	0.44	0.02 (0.01)	0-0.06	0.49
Nov 2021	0.15 (0.04)	0.08-0.25	0.30	0.18 (0.04)	0.08-0.29	0.23	0.2 (0.04)	0.1-0.32	0.19
Dec 2021	0 (0)	0-0		0.02 (0.01)	0-0.03	0.67	0.01 (0.01)	0-0.04	0.97
Jan 2022	0.11 (0.04)	0.04-0.19	0.36	0.1 (0.03)	0.02-0.18	0.32	0.07 (0.02)	0.01-0.14	0.34
Feb 2022	0.06 (0.02)	0.01-0.11	0.38	0.06 (0.02)	0.01-0.12	0.31	0.07 (0.02)	0.02-0.14	0.30
Mar 2022	0.01 (0.01)	0-0.05	1.04	0.02 (0.01)	0-0.03	0.49	0.01 (0.01)	0-0.03	0.73
Apr 2022	0.05 (0.03)	0-0.11	0.59	0.03 (0.01)	0.01-0.06	0.42	0.05 (0.03)	0.01-0.11	0.55
May 2022	0.06 (0.02)	0.01-0.11	0.42	0.05 (0.02)	0.02-0.1	0.33	0.05 (0.02)	0.01-0.1	0.33
Jun 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	0.96	0.01 (0.01)	0-0.04	0.67
Jul 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	0.99
Aug 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.97
Sep 2022	0.04 (0.02)	0.01-0.07	0.49	0.05 (0.02)	0.01-0.09	0.31	0.05 (0.02)	0.01-0.1	0.33
Oct 2022	0.11 (0.03)	0.06-0.17	0.27	0.23 (0.09)	0.06-0.47	0.38	0.22 (0.07)	0.08-0.4	0.31
Nov 2022	0.02 (0.02)	0-0.06	0.67	0.02 (0.01)	0.01-0.04	0.38	0.03 (0.01)	0.01-0.07	0.42
Dec 2022	0.07 (0.03)	0.02-0.13	0.40	0.07 (0.02)	0.02-0.14	0.33	0.07 (0.02)	0.02-0.13	0.31
Jan 2023	0.14 (0.05)	0.05-0.25	0.39	0.15 (0.04)	0.06-0.25	0.30	0.11 (0.04)	0.04-0.22	0.31
Feb 2023	0.17 (0.05)	0.08-0.26	0.27	0.15 (0.03)	0.08-0.22	0.19	0.15 (0.03)	0.08-0.24	0.20

Table 68. DBS - East & West. Density (birds Per Square Km) of Gannet recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.26 (0.06)	0.16-0.37	0.21	0.27 (0.04)	0.16-0.4	0.16	0.28 (0.04)	0.19-0.37	0.13
Apr 2021	0.44 (0.07)	0.31-0.58	0.16	0.43 (0.05)	0.29-0.57	0.12	0.4 (0.04)	0.29-0.51	0.10
May 2021	0.26 (0.04)	0.18-0.36	0.16	0.26 (0.04)	0.16-0.38	0.15	0.31 (0.05)	0.19-0.44	0.15
Jun 2021	0 (0)	0-0		0.04 (0.03)	0-0.09	0.64	0.05 (0.02)	0.01-0.1	0.46
Jul 2021	0.04 (0.02)	0.01-0.07	0.46	0.04 (0.02)	0-0.08	0.40	0.04 (0.01)	0.01-0.08	0.34
Aug 2021	0.22 (0.04)	0.15-0.31	0.18	0.16 (0.03)	0.08-0.24	0.19	0.15 (0.02)	0.09-0.21	0.16
Sep 2021	0.44 (0.05)	0.35-0.55	0.12	0.39 (0.04)	0.27-0.52	0.11	0.37 (0.04)	0.27-0.48	0.10
Oct 2021	0.56 (0.07)	0.43-0.7	0.13	0.5 (0.06)	0.33-0.68	0.12	0.49 (0.05)	0.36-0.64	0.10
Nov 2021	0.33 (0.07)	0.18-0.47	0.22	0.3 (0.06)	0.15-0.47	0.20	0.27 (0.05)	0.14-0.41	0.18
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.94
Mar 2022	0.05 (0.02)	0.01-0.08	0.37	0.05 (0.02)	0.01-0.1	0.40	0.05 (0.02)	0.01-0.1	0.33
Apr 2022	1.12 (0.17)	0.78-1.47	0.15	1.18 (0.18)	0.74-1.67	0.15	1.24 (0.15)	0.86-1.66	0.12
May 2022	0.13 (0.04)	0.06-0.21	0.33	0.25 (0.06)	0.12-0.39	0.22	0.27 (0.06)	0.14-0.43	0.21
Jun 2022	0.02 (0.01)	0-0.05	0.55	0.05 (0.02)	0.01-0.1	0.38	0.05 (0.02)	0.01-0.1	0.33
Jul 2022	0.18 (0.05)	0.08-0.27	0.27	0.13 (0.03)	0.04-0.22	0.26	0.17 (0.04)	0.08-0.27	0.21
Aug 2022	0.18 (0.03)	0.11-0.24	0.19	0.14 (0.03)	0.07-0.22	0.20	0.13 (0.02)	0.07-0.19	0.18
Sep 2022	0.13 (0.04)	0.06-0.21	0.27	0.16 (0.03)	0.07-0.24	0.20	0.22 (0.04)	0.12-0.34	0.18
Oct 2022	0.6 (0.08)	0.44-0.74	0.13	0.59 (0.08)	0.38-0.83	0.13	0.58 (0.07)	0.4-0.8	0.13
Nov 2022	0.69 (0.11)	0.48-0.89	0.15	0.7 (0.1)	0.44-0.98	0.15	0.56 (0.08)	0.35-0.78	0.14
Dec 2022	0.11 (0.03)	0.05-0.17	0.30	0.12 (0.03)	0.03-0.21	0.27	0.13 (0.03)	0.05-0.2	0.22
Jan 2023	0 (0)	0-0		0 (0)	0-0		0.01 (0)	0-0.02	0.81
Feb 2023	0.06 (0.03)	0.01-0.11	0.42	0.06 (0.02)	0.02-0.11	0.35	0.05 (0.02)	0.01-0.09	0.34

Table 69. DBS - East & West. Density (birds Per Square Km) of Great black-backed gull recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.72
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0.03 (0.03)	0-0.1	1.02	0.02 (0.02)	0-0.07	0.96
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	1.00
Nov 2021	0.01 (0.01)	0-0.04	1.01	0.01 (0.01)	0-0.03	1.08	0.02 (0.01)	0-0.04	0.59
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.02 (0.02)	0-0.06	0.70	0.06 (0.03)	0-0.14	0.45	0.05 (0.02)	0.01-0.13	0.40
Feb 2022	0.01 (0.01)	0-0.04	0.96	0.01 (0.01)	0-0.02	1.01	0.01 (0.01)	0-0.03	0.67
Mar 2022	0 (0)	0-0		0.02 (0.02)	0-0.07	0.73	0.04 (0.02)	0-0.09	0.52
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.06	0.70	0.02 (0.01)	0-0.04	0.69	0.01 (0.01)	0-0.03	0.72
Sep 2022	0.01 (0.01)	0-0.04	0.99	0.03 (0.02)	0-0.08	0.50	0.02 (0.01)	0-0.06	0.50
Oct 2022	0.01 (0.01)	0-0.04	0.97	0.02 (0.01)	0-0.05	0.72	0.01 (0.01)	0-0.04	0.70
Nov 2022	0 (0)	0-0		0 (0)	0-0		0.02 (0.01)	0-0.05	0.76
Dec 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	1.06	0.05 (0.02)	0-0.11	0.46
Jan 2023	0.04 (0.03)	0-0.11	0.96	0.03 (0.02)	0-0.09	0.76	0.03 (0.02)	0-0.07	0.63
Feb 2023	0.02 (0.02)	0-0.06	0.70	0.02 (0.01)	0-0.07	0.55	0.02 (0.01)	0-0.05	0.58

Table 70. DBS - East & West. Density (birds Per Square Km) of Great northern diver recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0.01 (0.01)	0-0.05	1.04	0.01 (0.01)	0-0.02	0.99	0.01 (0.01)	0-0.02	0.98
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



Table 71. DBS - East & West. Density (birds Per Square Km) of Great skua recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0.01 (0.01)	0-0.02	1.00	0.01 (0.01)	0-0.02	0.96
Sep 2021	0.01 (0.01)	0-0.04	1.01	0.01 (0.01)	0-0.02	0.98	0.01 (0.01)	0-0.02	0.98
Oct 2021	0.01 (0.01)	0-0.04	0.96	0.01 (0.01)	0-0.02	1.02	0.01 (0.01)	0-0.02	0.97
Nov 2021	0.01 (0.01)	0-0.05	0.97	0.01 (0.01)	0-0.03	0.91	0.01 (0.01)	0-0.04	0.64
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.93
Sep 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	1.00	0.01 (0.01)	0-0.02	1.04
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0.01 (0.01)	0-0.04	1.01	0.01 (0.01)	0-0.02	1.06	0.01 (0.01)	0-0.04	0.70
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 72. DBS - East & West. Density (birds Per Square Km) of Guillemot recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	1.01 (0.2)	0.63-1.39	0.20	0.92 (0.16)	0.49-1.34	0.17	0.88 (0.12)	0.55-1.2	0.14
Apr 2021	0.17 (0.04)	0.09-0.24	0.22	0.17 (0.04)	0.07-0.27	0.21	0.16 (0.03)	0.07-0.26	0.22
May 2021	0.05 (0.02)	0.01-0.08	0.35	0.06 (0.01)	0.02-0.09	0.23	0.05 (0.02)	0.02-0.1	0.30
Jun 2021	0 (0)	0-0		0.01 (0.01)	0-0.02	0.81	0.01 (0.01)	0-0.02	0.90
Jul 2021	0.1 (0.04)	0.04-0.18	0.39	0.07 (0.03)	0.01-0.14	0.38	0.07 (0.02)	0.02-0.14	0.33
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0.01 (0.01)	0-0.04	0.82	0.01 (0.01)	0-0.02	0.89	0.01 (0)	0-0.02	0.84
Nov 2021	0.18 (0.05)	0.09-0.27	0.26	0.21 (0.05)	0.08-0.35	0.23	0.17 (0.04)	0.08-0.27	0.21
Dec 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0)	0-0.01	0.60
Jan 2022	0.1 (0.04)	0.02-0.17	0.42	0.09 (0.04)	0.02-0.2	0.41	0.07 (0.02)	0.01-0.14	0.34
Feb 2022	0.05 (0.02)	0.01-0.08	0.42	0.03 (0.01)	0-0.07	0.41	0.02 (0.01)	0-0.05	0.41
Mar 2022	0.19 (0.06)	0.08-0.3	0.30	0.16 (0.05)	0.05-0.3	0.29	0.16 (0.04)	0.06-0.28	0.25
Apr 2022	0.52 (0.13)	0.28-0.8	0.26	0.51 (0.1)	0.26-0.83	0.20	0.58 (0.1)	0.34-0.86	0.17
May 2022	0.16 (0.03)	0.1-0.21	0.21	0.16 (0.03)	0.09-0.22	0.22	0.13 (0.03)	0.07-0.2	0.22
Jun 2022	0.02 (0.01)	0-0.05	0.57	0.03 (0.01)	0-0.07	0.45	0.02 (0.01)	0-0.05	0.46
Jul 2022	0.1 (0.05)	0.02-0.19	0.49	0.08 (0.04)	0.01-0.18	0.45	0.14 (0.05)	0.02-0.28	0.35
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.06 (0.04)	0-0.15	0.65	0.11 (0.04)	0.02-0.2	0.41	0.08 (0.03)	0.02-0.15	0.38
Oct 2022	0.27 (0.09)	0.1-0.44	0.32	0.28 (0.07)	0.11-0.46	0.26	0.28 (0.07)	0.11-0.46	0.23
Nov 2022	0.43 (0.11)	0.24-0.67	0.27	0.42 (0.08)	0.21-0.61	0.19	0.41 (0.06)	0.26-0.57	0.15
Dec 2022	0.07 (0.02)	0.02-0.12	0.32	0.09 (0.02)	0.02-0.16	0.25	0.09 (0.02)	0.04-0.15	0.22
Jan 2023	0.26 (0.06)	0.14-0.39	0.25	0.32 (0.06)	0.17-0.48	0.18	0.34 (0.06)	0.2-0.5	0.16
Feb 2023	0.24 (0.08)	0.11-0.4	0.32	0.2 (0.05)	0.1-0.32	0.25	0.27 (0.06)	0.14-0.41	0.23

Table 73. DBS - East & West. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	1.28 (0.25)	0.8-1.76	0.20	1.14 (0.2)	0.61-1.66	0.17	1.06 (0.15)	0.67-1.45	0.14
Apr 2021	0.21 (0.05)	0.13-0.32	0.23	0.22 (0.05)	0.09-0.35	0.21	0.21 (0.05)	0.1-0.36	0.22
May 2021	0.06 (0.02)	0.01-0.1	0.35	0.07 (0.01)	0.03-0.1	0.23	0.06 (0.02)	0.02-0.11	0.30
Jun 2021	0 (0)	0-0		0.01 (0.01)	0-0.02	0.81	0.01 (0.01)	0-0.02	0.90
Jul 2021	0.1 (0.04)	0.04-0.18	0.39	0.07 (0.03)	0.01-0.14	0.38	0.07 (0.02)	0.02-0.14	0.33
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0.01 (0.01)	0-0.04	0.82	0.01 (0.01)	0-0.02	0.89	0.01 (0.01)	0-0.04	0.84
Nov 2021	0.25 (0.06)	0.12-0.37	0.26	0.26 (0.06)	0.09-0.43	0.22	0.22 (0.05)	0.1-0.36	0.21
Dec 2021	0 (0)	0-0		0 (0)	0-0		0.02 (0.01)	0-0.04	0.60
Jan 2022	0.12 (0.05)	0.03-0.21	0.42	0.11 (0.04)	0.02-0.23	0.41	0.1 (0.03)	0.02-0.19	0.32
Feb 2022	0.09 (0.05)	0.03-0.21	0.53	0.06 (0.03)	0-0.14	0.51	0.06 (0.02)	0-0.12	0.41
Mar 2022	0.27 (0.08)	0.12-0.43	0.30	0.22 (0.07)	0.07-0.4	0.30	0.2 (0.05)	0.07-0.36	0.25
Apr 2022	0.56 (0.14)	0.3-0.83	0.25	0.57 (0.11)	0.29-0.92	0.20	0.62 (0.11)	0.36-0.92	0.17
May 2022	0.16 (0.03)	0.1-0.21	0.21	0.16 (0.03)	0.09-0.22	0.22	0.13 (0.03)	0.07-0.2	0.22
Jun 2022	0.02 (0.01)	0-0.05	0.57	0.03 (0.01)	0-0.07	0.45	0.02 (0.01)	0-0.05	0.46
Jul 2022	0.1 (0.05)	0.02-0.19	0.49	0.08 (0.04)	0.01-0.18	0.45	0.14 (0.05)	0.02-0.28	0.35
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.1 (0.06)	0-0.24	0.65	0.14 (0.05)	0.02-0.26	0.39	0.11 (0.04)	0.03-0.2	0.36
Oct 2022	0.37 (0.12)	0.13-0.62	0.33	0.35 (0.09)	0.14-0.58	0.26	0.33 (0.08)	0.13-0.55	0.23
Nov 2022	0.57 (0.15)	0.31-0.88	0.26	0.54 (0.1)	0.28-0.79	0.19	0.56 (0.08)	0.36-0.77	0.15
Dec 2022	0.07 (0.02)	0.02-0.12	0.32	0.09 (0.02)	0.02-0.16	0.25	0.1 (0.02)	0.05-0.17	0.22
Jan 2023	0.28 (0.07)	0.16-0.44	0.26	0.4 (0.07)	0.22-0.61	0.18	0.43 (0.07)	0.25-0.63	0.16
Feb 2023	0.25 (0.08)	0.11-0.42	0.32	0.2 (0.05)	0.1-0.33	0.25	0.27 (0.06)	0.14-0.42	0.23

Table 74. DBS - East & West. Density (birds Per Square Km) of Guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	1.28 (0.25)	0.8-1.76	0.20	1.14 (0.2)	0.61-1.66	0.17	1.06 (0.15)	0.67-1.45	0.14
Apr 2021	0.21 (0.05)	0.13-0.32	0.23	0.22 (0.05)	0.09-0.35	0.21	0.21 (0.05)	0.1-0.36	0.22
May 2021	0.06 (0.02)	0.01-0.1	0.35	0.07 (0.01)	0.03-0.1	0.23	0.06 (0.02)	0.02-0.11	0.30
Jun 2021	0 (0)	0-0		0.01 (0.01)	0-0.02	0.81	0.01 (0.01)	0-0.02	0.90
Jul 2021	0.1 (0.04)	0.04-0.18	0.39	0.07 (0.03)	0.01-0.14	0.38	0.07 (0.02)	0.02-0.14	0.33
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0.01 (0.01)	0-0.04	0.82	0.01 (0.01)	0-0.02	0.89	0.01 (0.01)	0-0.04	0.84
Nov 2021	0.25 (0.06)	0.12-0.37	0.26	0.26 (0.06)	0.09-0.43	0.22	0.22 (0.05)	0.1-0.36	0.21
Dec 2021	0 (0)	0-0		0 (0)	0-0		0.02 (0.01)	0-0.04	0.60
Jan 2022	0.12 (0.05)	0.03-0.21	0.42	0.11 (0.04)	0.02-0.23	0.41	0.1 (0.03)	0.02-0.19	0.32
Feb 2022	0.09 (0.05)	0.03-0.21	0.53	0.06 (0.03)	0-0.14	0.51	0.06 (0.02)	0-0.12	0.41
Mar 2022	0.27 (0.08)	0.12-0.43	0.30	0.22 (0.07)	0.07-0.4	0.30	0.2 (0.05)	0.07-0.36	0.25
Apr 2022	0.56 (0.14)	0.3-0.83	0.25	0.57 (0.11)	0.29-0.92	0.20	0.62 (0.11)	0.36-0.92	0.17
May 2022	0.16 (0.03)	0.1-0.21	0.21	0.16 (0.03)	0.09-0.22	0.22	0.13 (0.03)	0.07-0.2	0.22
Jun 2022	0.02 (0.01)	0-0.05	0.57	0.03 (0.01)	0-0.07	0.45	0.02 (0.01)	0-0.05	0.46
Jul 2022	0.1 (0.05)	0.02-0.19	0.49	0.08 (0.04)	0.01-0.18	0.45	0.14 (0.05)	0.02-0.28	0.35
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.1 (0.06)	0-0.24	0.65	0.14 (0.05)	0.02-0.26	0.39	0.11 (0.04)	0.03-0.2	0.36
Oct 2022	0.37 (0.12)	0.13-0.62	0.33	0.35 (0.09)	0.14-0.58	0.26	0.33 (0.08)	0.13-0.55	0.23
Nov 2022	0.57 (0.15)	0.31-0.88	0.26	0.54 (0.1)	0.28-0.79	0.19	0.56 (0.08)	0.36-0.77	0.15
Dec 2022	0.07 (0.02)	0.02-0.12	0.32	0.09 (0.02)	0.02-0.16	0.25	0.1 (0.02)	0.05-0.17	0.22
Jan 2023	0.28 (0.07)	0.16-0.44	0.26	0.4 (0.07)	0.22-0.61	0.18	0.43 (0.07)	0.25-0.63	0.16
Feb 2023	0.25 (0.08)	0.11-0.42	0.32	0.2 (0.05)	0.1-0.33	0.25	0.27 (0.06)	0.14-0.42	0.23

Table 75. DBS - East & West. Density (birds Per Square Km) of Herring gull recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	1.00
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0.01 (0.01)	0-0.04	0.98	0.01 (0.01)	0-0.03	1.03	0.01 (0.01)	0-0.03	0.71
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0.01 (0.01)	0-0.04	1.09	0.01 (0.01)	0-0.02	1.09	0.04 (0.02)	0-0.1	0.54
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.01 (0.01)	0-0.04	1.04	0.01 (0.01)	0-0.02	0.99	0.01 (0.01)	0-0.02	0.98
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0.02 (0.02)	0-0.05	0.92	0.01 (0.01)	0-0.04	1.00
Aug 2022	0.01 (0.01)	0-0.04	0.98	0.01 (0.01)	0-0.02	0.96	0.02 (0.01)	0-0.05	0.70
Sep 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	0.99	0.01 (0.01)	0-0.02	0.99
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0.02 (0.02)	0-0.06	0.68	0.02 (0.01)	0-0.07	0.57	0.02 (0.01)	0-0.05	0.58
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0.01 (0.01)	0-0.04	1.00	0.01 (0.01)	0-0.02	0.97	0.01 (0.01)	0-0.02	0.99
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 76. DBS - East & West. Density (birds Per Square Km) of Kittiwake recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	4.46 (0.53)	3.47-5.48	0.12	4.33 (0.53)	3.01-5.9	0.12	4.18 (0.46)	3.02-5.5	0.11
Apr 2021	1.61 (0.31)	1.02-2.25	0.19	1.83 (0.34)	1.1-2.65	0.19	1.59 (0.27)	1.04-2.28	0.17
May 2021	1.01 (0.15)	0.75-1.32	0.15	0.94 (0.11)	0.65-1.27	0.12	0.98 (0.08)	0.77-1.21	0.08
Jun 2021	0.21 (0.05)	0.12-0.3	0.22	0.17 (0.04)	0.08-0.27	0.20	0.45 (0.21)	0.13-0.97	0.46
Jul 2021	0.26 (0.06)	0.16-0.39	0.23	0.26 (0.05)	0.14-0.4	0.19	0.27 (0.04)	0.15-0.37	0.15
Aug 2021	0.08 (0.05)	0.01-0.18	0.55	0.09 (0.04)	0.01-0.2	0.45	0.13 (0.04)	0.04-0.24	0.32
Sep 2021	0.39 (0.1)	0.22-0.6	0.25	0.45 (0.09)	0.23-0.7	0.21	0.48 (0.09)	0.27-0.74	0.19
Oct 2021	1.13 (0.24)	0.75-1.65	0.21	1.55 (0.51)	0.6-2.95	0.33	1.6 (0.39)	0.8-2.63	0.24
Nov 2021	1.09 (0.15)	0.83-1.43	0.14	0.99 (0.12)	0.69-1.3	0.12	1 (0.09)	0.76-1.25	0.09
Dec 2021	0.15 (0.05)	0.05-0.25	0.37	0.11 (0.04)	0.02-0.22	0.35	0.12 (0.03)	0.04-0.22	0.28
Jan 2022	0.94 (0.14)	0.69-1.22	0.14	1.03 (0.12)	0.7-1.38	0.12	1 (0.1)	0.74-1.3	0.10
Feb 2022	0.78 (0.12)	0.56-1.03	0.16	0.74 (0.09)	0.49-1	0.13	0.81 (0.08)	0.59-1.04	0.10
Mar 2022	1.98 (0.4)	1.28-2.75	0.20	2.33 (0.37)	1.42-3.33	0.16	3.07 (0.38)	2.14-4.13	0.12
Apr 2022	3.45 (0.84)	2.02-5.19	0.24	3.56 (0.78)	2.1-5.62	0.22	3.76 (0.57)	2.54-5.16	0.15
May 2022	0.93 (0.16)	0.63-1.24	0.17	0.98 (0.11)	0.69-1.31	0.11	0.94 (0.11)	0.67-1.23	0.11
Jun 2022	0.48 (0.09)	0.31-0.64	0.18	0.51 (0.07)	0.32-0.71	0.15	0.61 (0.09)	0.38-0.86	0.15
Jul 2022	0.94 (0.25)	0.49-1.44	0.26	0.84 (0.18)	0.42-1.35	0.21	0.73 (0.13)	0.41-1.1	0.18
Aug 2022	7.6 (3.68)	1.6-16.31	0.48	5.9 (2.66)	1.09-14.19	0.45	5.27 (2.02)	1.24-11.37	0.38
Sep 2022	0.76 (0.23)	0.36-1.24	0.30	0.94 (0.26)	0.44-1.57	0.27	1.03 (0.25)	0.54-1.69	0.24
Oct 2022	0.68 (0.1)	0.48-0.86	0.15	1.37 (0.56)	0.52-2.79	0.41	1.36 (0.43)	0.65-2.47	0.31
Nov 2022	4.92 (0.56)	3.92-6.1	0.11	5.46 (0.66)	3.85-7.41	0.12	5.32 (0.55)	3.97-6.88	0.10
Dec 2022	2.71 (0.33)	2.14-3.41	0.12	3.08 (0.29)	2.32-3.91	0.10	3.28 (0.33)	2.46-4.17	0.10
Jan 2023	1.43 (0.31)	0.9-2.09	0.22	1.32 (0.24)	0.77-2.01	0.18	1.39 (0.21)	0.89-1.98	0.15
Feb 2023	1.42 (0.23)	1-1.89	0.16	1.62 (0.19)	1.13-2.15	0.12	1.62 (0.16)	1.21-2.05	0.10

Table 77. DBS - East & West. Density (birds Per Square Km) of Large gull species recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0.01 (0)	0-0.02	0.00	0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	1.01
Nov 2022	0.01 (0.01)	0-0.04	0.97	0.01 (0.01)	0-0.02	0.92	0.01 (0.01)	0-0.02	0.94
Dec 2022	0 (0)	0-0		0.01 (0)	0-0.02	0.00	0.01 (0.01)	0-0.02	1.04
Jan 2023	0 (0)	0-0		0.01 (0)	0-0.02	0.00	0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 78. DBS - East & West. Density (birds Per Square Km) of Lesser black-backed gull recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0.01 (0.01)	0-0.04	1.00	0.01 (0.01)	0-0.02	0.99	0.01 (0.01)	0-0.02	1.03
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0.01 (0.01)	0-0.02	0.97	0.01 (0.01)	0-0.02	0.98
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.94
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0.01 (0.01)	0-0.04	0.98	0.01 (0.01)	0-0.02	0.94	0.01 (0.01)	0-0.02	0.94
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0.01 (0.01)	0-0.02	0.98	0.01 (0.01)	0-0.02	0.97
Aug 2022	0.02 (0.02)	0-0.07	0.96	0.02 (0.02)	0-0.05	0.98	0.01 (0.01)	0-0.04	1.00
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	



Table 79. DBS - East & West. Density (birds Per Square Km) of Little auk recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0.07 (0.02)	0-0.19	0.33	0.06 (0.02)	0.01-0.17	0.28
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 80. DBS - East & West. Density (birds Per Square Km) of Little gull recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.1 (0.06)	0-0.27	0.6	0.07 (0.04)	0-0.2	0.62
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 81. DBS - East & West. Density (birds Per Square Km) of Manx shearwater recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0.01 (0.01)	0-0.04	0.97	0.01 (0.01)	0-0.02	1.00	0.01 (0.01)	0-0.02	1.03
Aug 2022	0.01 (0.01)	0-0.04	1.01	0.01 (0.01)	0-0.02	1.03	0.01 (0.01)	0-0.02	1.01
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 82. DBS - East & West. Density (birds Per Square Km) of Puffin recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.01 (0.01)	0-0.04	0.98	0.08 (0.01)	0.03-0.13	0.11	0.01 (0.01)	0-0.02	0.99
Apr 2021	0 (0)	0-0		0.18 (0)	0.14-0.22	0.00	0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0.03 (0)	0-0.06	0.00	0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.02 (0)	0-0.05	0.00	0 (0)	0-0	
Oct 2021	0 (0)	0-0		0.23 (0)	0.14-0.33	0.00	0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0.09 (0)	0.03-0.15	0.00	0 (0)	0-0	
Jun 2022	0 (0)	0-0		0.02 (0)	0-0.03	0.00	0 (0)	0-0	
Jul 2022	0 (0)	0-0		0.11 (0)	0.02-0.2	0.00	0 (0)	0-0	
Aug 2022	0 (0)	0-0		0.07 (0)	0.02-0.11	0.00	0 (0)	0-0	
Sep 2022	0 (0)	0-0		0.01 (0)	0-0.02	0.00	0 (0)	0-0	
Oct 2022	0 (0)	0-0		0.08 (0)	0.02-0.14	0.00	0.01 (0.01)	0-0.04	0.96
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0.04 (0)	0-0.08	0.00	0 (0)	0-0	
Jan 2023	0 (0)	0-0		0.02 (0)	0-0.03	0.00	0 (0)	0-0	
Feb 2023	0 (0)	0-0		0.01 (0)	0-0.02	0.00	0 (0)	0-0	

Table 83. DBS - East & West. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.01 (0)	0-0	0	0.08 (0)	0.03-0.1	0	0.01 (0.01)	0-0.02	0.99
Apr 2021	0 (0)	0-0		0.18 (0)	0.14-0.22	0	0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0.03 (0)	0-0.06	0	0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.02 (0)	0-0.05	0	0 (0)	0-0	
Oct 2021	0 (0)	0-0		0.25 (0)	0.15-0.35	0	0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0.09 (0)	0.03-0.15	0	0 (0)	0-0	
Jun 2022	0 (0)	0-0		0.02 (0)	0-0.03	0	0 (0)	0-0	
Jul 2022	0 (0)	0-0		0.11 (0)	0.02-0.2	0	0 (0)	0-0	
Aug 2022	0 (0)	0-0		0.07 (0)	0.02-0.11	0	0 (0)	0-0	
Sep 2022	0 (0)	0-0		0.01 (0)	0-0.02	0	0 (0)	0-0	
Oct 2022	0 (0)	0-0		0.08 (0)	0.02-0.14	0	0.01 (0.01)	0-0.04	0.96
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0.04 (0)	0-0.08	0	0 (0)	0-0	
Jan 2023	0 (0)	0-0		0.02 (0)	0-0.03	0	0 (0)	0-0	
Feb 2023	0 (0)	0-0		0.01 (0)	0-0.02	0	0 (0)	0-0	

Table 84. DBS - East & West. Density (birds Per Square Km) of Puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.01 (0)	0-0	0	0.08 (0)	0.04-0.11	0	0.01 (0.01)	0-0.02	0.99
Apr 2021	0 (0)	0-0		0.21 (0)	0.16-0.26	0	0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0.04 (0)	0-0.08	0	0 (0)	0-0	
Sep 2021	0 (0)	0-0		0.02 (0)	0-0.05	0	0 (0)	0-0	
Oct 2021	0 (0)	0-0		0.29 (0)	0.17-0.41	0	0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0.11 (0)	0.04-0.18	0	0 (0)	0-0	
Jun 2022	0 (0)	0-0		0.02 (0)	0-0.03	0	0 (0)	0-0	
Jul 2022	0 (0)	0-0		0.12 (0)	0.03-0.23	0	0 (0)	0-0	
Aug 2022	0 (0)	0-0		0.07 (0)	0.03-0.12	0	0 (0)	0-0	
Sep 2022	0 (0)	0-0		0.01 (0)	0-0.02	0	0 (0)	0-0	
Oct 2022	0 (0)	0-0		0.1 (0)	0.03-0.17	0	0.01 (0.01)	0-0.04	0.96
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0.05 (0)	0-0.1	0	0 (0)	0-0	
Jan 2023	0 (0)	0-0		0.02 (0)	0-0.03	0	0 (0)	0-0	
Feb 2023	0 (0)	0-0		0.01 (0)	0-0.02	0	0 (0)	0-0	

Table 85. DBS - East & West. Density (birds Per Square Km) of Razorbill recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.11 (0.04)	0.02-0.19	0.37	0.14 (0.06)	0.03-0.29	0.44	0.18 (0.04)	0.07-0.28	0.23
Apr 2021	0.01 (0.01)	0-0.04	0.97	0.01 (0.01)	0-0.02	0.86	0.02 (0.01)	0.01-0.04	0.36
May 2021	0.07 (0.04)	0-0.17	0.57	0.08 (0.04)	0.02-0.2	0.49	0.06 (0.02)	0.02-0.1	0.30
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0)	0-0.01	0.62
Nov 2021	0 (0)	0-0		0.02 (0.02)	0-0.06	0.83	0.01 (0.01)	0-0.04	0.78
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.01 (0.01)	0-0.02	0.64	0.01 (0.01)	0-0.02	0.97	0.02 (0)	0.02-0.03	0.19
Feb 2022	0.02 (0.02)	0-0.07	1.01	0.02 (0.01)	0-0.05	0.87	0.02 (0.01)	0.01-0.05	0.45
Mar 2022	0.02 (0.02)	0-0.07	0.99	0.04 (0.03)	0-0.1	0.65	0.08 (0.04)	0-0.17	0.56
Apr 2022	0.23 (0.12)	0.05-0.5	0.52	0.15 (0.07)	0-0.37	0.48	0.14 (0.06)	0.02-0.29	0.39
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.01 (0.01)	0-0.04	0.98	0.12 (0.06)	0.01-0.3	0.51	0.09 (0.03)	0.01-0.18	0.37
Oct 2022	0.92 (0.32)	0.42-1.66	0.35	1.21 (0.37)	0.32-2.3	0.30	1.21 (0.2)	0.67-1.73	0.16
Nov 2022	0.19 (0.07)	0.06-0.34	0.38	0.17 (0.06)	0.05-0.34	0.35	0.18 (0.05)	0.07-0.31	0.26
Dec 2022	0.12 (0.04)	0.05-0.2	0.36	0.1 (0.03)	0.02-0.19	0.35	0.08 (0.02)	0.02-0.15	0.29
Jan 2023	0.05 (0.03)	0-0.11	0.60	0.03 (0.02)	0.01-0.06	0.47	0.02 (0.01)	0-0.05	0.53
Feb 2023	0.19 (0.08)	0.06-0.36	0.40	0.14 (0.05)	0.04-0.27	0.34	0.12 (0.04)	0.04-0.22	0.30

Table 86. DBS - East & West. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.14 (0.05)	0.03-0.26	0.37	0.18 (0.08)	0.04-0.37	0.42	0.22 (0.05)	0.08-0.35	0.22
Apr 2021	0.01 (0.01)	0-0.04	0.97	0.01 (0.01)	0-0.02	0.86	0.02 (0.01)	0.01-0.04	0.36
May 2021	0.09 (0.05)	0-0.22	0.57	0.09 (0.05)	0.02-0.21	0.53	0.07 (0.02)	0.02-0.11	0.33
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.62
Nov 2021	0 (0)	0-0		0.02 (0.02)	0-0.06	0.83	0.01 (0.01)	0-0.04	0.78
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.01 (0.01)	0-0.02	0.64	0.01 (0.01)	0-0.02	0.97	0.02 (0.01)	0.02-0.03	0.23
Feb 2022	0.07 (0.06)	0-0.18	0.84	0.05 (0.04)	0-0.14	0.73	0.06 (0.03)	0.01-0.16	0.45
Mar 2022	0.04 (0.03)	0-0.11	0.99	0.07 (0.04)	0-0.16	0.57	0.1 (0.06)	0-0.22	0.56
Apr 2022	0.23 (0.12)	0.05-0.53	0.55	0.16 (0.08)	0-0.39	0.50	0.15 (0.06)	0.02-0.31	0.39
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.02 (0.02)	0-0.07	0.98	0.13 (0.07)	0.01-0.33	0.55	0.1 (0.04)	0.01-0.22	0.39
Oct 2022	1.29 (0.44)	0.58-2.31	0.34	1.48 (0.45)	0.35-2.85	0.31	1.4 (0.23)	0.75-2.07	0.16
Nov 2022	0.25 (0.1)	0.08-0.47	0.40	0.21 (0.08)	0.06-0.41	0.38	0.24 (0.06)	0.09-0.41	0.26
Dec 2022	0.12 (0.04)	0.05-0.2	0.36	0.1 (0.04)	0.03-0.21	0.35	0.09 (0.03)	0.03-0.17	0.29
Jan 2023	0.06 (0.03)	0-0.11	0.48	0.05 (0.02)	0.01-0.1	0.39	0.04 (0.02)	0-0.07	0.44
Feb 2023	0.19 (0.08)	0.06-0.36	0.40	0.15 (0.05)	0.04-0.28	0.34	0.13 (0.04)	0.04-0.23	0.30



Table 87. DBS - East & West. Density (birds Per Square Km) of Razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0.14 (0.05)	0.03-0.26	0.37	0.18 (0.08)	0.04-0.37	0.42	0.22 (0.05)	0.08-0.35	0.22
Apr 2021	0.01 (0.01)	0-0.04	0.97	0.01 (0.01)	0-0.02	0.86	0.02 (0.01)	0.01-0.04	0.36
May 2021	0.09 (0.05)	0-0.22	0.57	0.09 (0.05)	0.02-0.21	0.53	0.07 (0.02)	0.02-0.11	0.33
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.62
Nov 2021	0 (0)	0-0		0.02 (0.02)	0-0.06	0.83	0.01 (0.01)	0-0.04	0.78
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0.01 (0.01)	0-0.02	0.64	0.01 (0.01)	0-0.02	0.97	0.02 (0.01)	0.02-0.03	0.23
Feb 2022	0.07 (0.06)	0-0.18	0.84	0.05 (0.04)	0-0.14	0.73	0.06 (0.03)	0.01-0.16	0.45
Mar 2022	0.04 (0.03)	0-0.11	0.99	0.07 (0.04)	0-0.16	0.57	0.1 (0.06)	0-0.22	0.56
Apr 2022	0.23 (0.12)	0.05-0.53	0.55	0.16 (0.08)	0-0.39	0.50	0.15 (0.06)	0.02-0.31	0.39
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.02 (0.02)	0-0.07	0.98	0.13 (0.07)	0.01-0.33	0.55	0.1 (0.04)	0.01-0.22	0.39
Oct 2022	1.29 (0.44)	0.58-2.31	0.34	1.48 (0.45)	0.35-2.85	0.31	1.4 (0.23)	0.75-2.07	0.16
Nov 2022	0.25 (0.1)	0.08-0.47	0.40	0.21 (0.08)	0.06-0.41	0.38	0.24 (0.06)	0.09-0.41	0.26
Dec 2022	0.12 (0.04)	0.05-0.2	0.36	0.1 (0.04)	0.03-0.21	0.35	0.09 (0.03)	0.03-0.17	0.29
Jan 2023	0.06 (0.03)	0-0.11	0.48	0.05 (0.02)	0.01-0.1	0.39	0.04 (0.02)	0-0.07	0.44
Feb 2023	0.19 (0.08)	0.06-0.36	0.40	0.15 (0.05)	0.04-0.28	0.34	0.13 (0.04)	0.04-0.23	0.30

Table 88. DBS - East & West. Density (birds Per Square Km) of Red-throated diver recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 89. DBS - East & West. Density (birds Per Square Km) of Skua species recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0.02 (0.02)	0-0.07	0.97	0.02 (0.02)	0-0.05	0.99	0.01 (0.01)	0-0.04	1.01
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2022	0.01 (0.01)	0-0.04	0.95	0.03 (0.02)	0-0.07	0.62	0.02 (0.01)	0-0.05	0.60
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 90. DBS - East & West. Density (birds Per Square Km) of Small gull species recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0.01 (0.01)	0-0.04	1.00	0.01 (0.01)	0-0.02	1.07	0.01 (0.01)	0-0.02	0.99
Oct 2021	0 (0)	0-0		0.01 (0.01)	0-0.02	1.01	0.02 (0.01)	0-0.04	0.58
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0.05 (0.02)	0.01-0.09	0.50	0.04 (0.02)	0.01-0.08	0.44	0.03 (0.01)	0.01-0.06	0.45
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.06	0.68	0.02 (0.01)	0-0.05	0.71	0.02 (0.01)	0-0.05	0.57
Sep 2022	0.01 (0.01)	0-0.04	1.02	0.02 (0.02)	0-0.07	0.77	0.02 (0.01)	0-0.05	0.73
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0.04 (0.02)	0-0.11	0.51	0.04 (0.02)	0-0.1	0.45
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 91. DBS - East & West. Density (birds Per Square Km) of Tern species recorded in flight, S.D. and 95% confidence intervals and co-efficient of variation, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Month	Density								
	Array Area			Array Area & 2km buffer			Array Area and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Mar 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2021	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug 2022	0.02 (0.02)	0-0.06	0.69	0.02 (0.01)	0-0.07	0.55	0.02 (0.01)	0-0.05	0.57
Sep 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec 2022	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jan 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb 2023	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	