



MacArthur  
Green



Document Number  
WO1-WOW-PER-ENV-RPT-0019

Revision 01

Approved

Mr Stuart McAuley - Offshore Wind Power  
Limited

Oct 2, 2024, 4:38 PM GMT+1:00

# West of Orkney Windfarm

## Offshore Ornithology Supplementary Environmental Information

### Annex 1C: Design-based analysis abundance estimates from each survey recorded of flying birds

---

**Date:** 19 June 2024

**Tel:** 0141 342 5404

**Web:** [www.macarthurgreen.com](http://www.macarthurgreen.com)

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

---

## Document Quality Record

Version	Status	Person Responsible	Date
0.1	Draft	Dr. S. Raveh	09/05/2024
0.2	Reviewed	Dr. Ross McGregor	18/06/2024
0.3	Updated	Dr. Ross McGregor	19/06/2024
1	Internal Approval	Dr. Ross McGregor	19/06/2024

MacArthur Green is helping combat the climate crisis by operating a biodiversity positive, carbon conscious business. Read more at [www.macarthurgreen.com](http://www.macarthurgreen.com)



## CONTENTS

1.1	Arctic Skua.....	1
1.2	Arctic Tern .....	2
1.3	Auk sp. ....	3
1.4	Black-headed Gull.....	4
1.5	Black Guillemot .....	5
1.6	Common Gull.....	6
1.7	Common Tern.....	7
1.8	Cory's Shearwater .....	8
1.9	European Storm-petrel .....	9
1.10	Fulmar.....	10
1.11	Gannet .....	11
1.12	Great Black-backed Gull.....	12
1.13	Great Northern Diver .....	13
1.14	Great Shearwater .....	14
1.15	Great Skua .....	15
1.16	Guillemot .....	16
1.17	Herring Gull.....	19
1.18	Kittiwake.....	20
1.19	Large Auk sp.....	21
1.20	Little Auk .....	22
1.21	Little Gull.....	23
1.22	Manx Shearwater.....	24
1.23	Puffin .....	25
1.24	Razorbill.....	28
1.25	Shag .....	31
1.26	Sooty Shearwater .....	32

## LIST OF TABLES

Table 1. Abundance of Arctic skua recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....	1
Table 2. Abundance of Arctic tern recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....	2
Table 3. Abundance of auk sp. recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....	3
Table 4. Abundance of black-headed gull recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....	4
Table 5. Abundance of black guillemot recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....	5
Table 6. Abundance of common gull recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....	6
Table 7. Abundance of common tern recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....	7
Table 8. Abundance of Cory's shearwater recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....	8
Table 9.. Abundance of European storm-petrel recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....	9
Table 10. Abundance of fulmar recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....	10
Table 11. Abundance of gannet recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....	11
Table 12. Abundance of great black-backed gull recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....	12
Table 13. Abundance of great northern diver recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....	13
Table 14. Abundance of great shearwater recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....	14

Table 15. Abundance of great skua recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....15

Table 16. Abundance of guillemot recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer..... 16

Table 17. Abundance of guillemot (including unidentified auks apportioned using identified auk ratios) recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer. ....17

Table 18. Abundance of guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer. .... 18

Table 19. Abundance of herring gull recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer..... 19

Table 20. Abundance of kittiwake recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....20

Table 21. Abundance of large auk sp. recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....21

Table 22. Abundance of little auk recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer..... 22

Table 23. Abundance of little gull recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer..... 23

Table 24. Abundance of Manx shearwater recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer. .... 24

Table 25. Abundance of puffin recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer..... 25

Table 26. Abundance of puffin (including unidentified auks apportioned using identified auk ratios) recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer. ....26

Table 27. Abundance of puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer..... 27

Table 28. Abundance of razorbill recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.....28

Table 29. Abundance of razorbill (including unidentified auks apportioned using identified auk ratios) recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer. .... 29

Table 30. Abundance of razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer. .... 30

Table 31. Abundance of shag recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer. .... 31

Table 32. Abundance of sooty shearwater recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer. .... 32

## 1.1 Arctic Skua

**Table 1. Abundance of Arctic skua recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.**

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	7.74 (7.52)	7.69	0-23.23	0.97	7.74 (7.44)	7.94	0-23.23	0.96	7.74 (7.53)	8.03	0-23.23	0.97
Jul-2022	0 (0)	0.00	0-0		7.93 (7.37)	7.61	0-23.79	0.93	7.93 (7.44)	7.95	0-23.79	0.94
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

## 1.2 Arctic Tern

**Table 2. Abundance of Arctic tern recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.**

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	100.77 (91.06)	102.58	0-302.31	0.90	100.77 (92.64)	103.29	0-302.31	0.92	100.77 (89.55)	101.07	0-302.31	0.89
Jul-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0.00	0-0		23.23 (18.44)	23.65	0-69.69	0.79	23.23 (18.05)	23.44	0-47.04	0.78
Sep-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	7.76 (7.16)	7.73	0-23.29	0.92	7.76 (7.29)	7.83	0-23.29	0.94	7.76 (7.47)	7.59	0-23.29	0.96
Jun-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	15.86 (10.52)	16.09	0-39.66	0.66	47.59 (31.03)	46.98	0-118.97	0.65	47.59 (31.11)	48.34	0-118.97	0.65
Aug-2022	7.8 (7.36)	7.90	0-23.41	0.94	7.8 (6.97)	7.91	0-23.41	0.89	15.61 (10.28)	15.70	0-39.02	0.66
Sep-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	



## 1.3 Auk sp.

Table 3. Abundance of auk sp. recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	8.02 (6.81)	7.85	0-24.06	0.85	8.02 (6.97)	7.83	0-24.06	0.87	8.02 (6.91)	8.04	0-24.06	0.86
Aug-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	7.75 (7.63)	7.94	0-23.25	0.98	7.75 (6.94)	7.83	0-23.25	0.90	7.75 (7.22)	7.78	0-23.25	0.93
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0.00	0-0		7.76 (6.89)	7.62	0-23.27	0.89	7.76 (6.9)	7.72	0-23.27	0.89
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		7.74 (6.15)	7.83	0-23.23	0.79
Sep-2021	7.75 (6.75)	7.34	0-23.24	0.87	7.75 (7.05)	7.82	0-23.24	0.91	7.75 (7.41)	7.88	0-23.24	0.96
Oct-2021	7.75 (7.17)	7.44	0-23.26	0.92	7.75 (7.67)	8.05	0-23.26	0.99	7.75 (7.5)	7.86	0-23.26	0.97
Nov-2021	7.74 (7.03)	7.71	0-23.22	0.91	15.48 (10.1)	15.56	0-38.7	0.65	15.48 (10)	15.14	0-38.7	0.65
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	30.95 (17.76)	30.24	0-69.63	0.57	30.95 (17.28)	30.74	0-69.63	0.56	30.95 (17.23)	31.22	0-69.63	0.56
May-2022	0 (0)	0.00	0-0		7.76 (7.38)	7.86	0-23.29	0.95	15.53 (9.61)	15.94	0-38.82	0.62
Jun-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		7.74 (6.9)	7.63	0-23.23	0.89
Jul-2022	0 (0)	0.00	0-0		7.93 (7.5)	7.79	0-23.79	0.95	31.73 (23.93)	31.50	0-87.25	0.75
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

## 1.4 Black-headed Gull

**Table 4. Abundance of black-headed gull recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.**

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	7.74 (7.16)	7.43	0-23.21	0.93	7.74 (7.02)	7.81	0-23.21	0.91	7.74 (7.02)	7.76	0-23.21	0.91
May-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

## 1.5 Black Guillemot

**Table 5. Abundance of black guillemot recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.**

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	7.75 (6.84)	7.46	0-23.26	0.88	7.75 (7.26)	7.61	0-23.26	0.94	7.75 (7.33)	7.96	0-23.26	0.95
Nov-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

## 1.6 Common Gull

**Table 6. Abundance of common gull recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.**

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0	0-0		7.76 (7.32)	7.89	0-23.27	0.94	7.76 (7)	7.51	0-23.27	0.9
May-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

## 1.7 Common Tern

**Table 7. Abundance of common tern recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.**

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0	0-0		7.96 (6.66)	8.09	0-23.89	0.84	15.92 (8.55)	15.98	0-31.85	0.54
Sep-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

## 1.8 Cory's Shearwater

**Table 8. Abundance of Cory's shearwater recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.**

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	7.74 (7.6)	7.85	0-23.23	0.98	7.74 (7.22)	7.38	0-23.23	0.93	7.74 (7.28)	7.78	0-23.23	0.94
Sep-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

## 1.9 European Storm-petrel

**Table 9.. Abundance of European storm-petrel recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.**

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		7.96 (7.64)	8.13	0-23.89	0.96
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		85.22 (76.68)	86.50	0-255.66	0.90
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	201.33 (72.79)	196.47	69.69-348.46	0.36	224.56 (77.61)	226.42	85.18-395.12	0.35	278.77 (83.45)	276.38	131.64-456.87	0.30
Sep-2021	30.99 (14.74)	30.93	7.75-61.98	0.48	38.74 (15.72)	38.40	7.75-69.73	0.41	38.74 (15.86)	38.30	7.75-69.73	0.41
Oct-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

## 1.10 Fulmar

Table 10. Abundance of fulmar recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	136.35 (33.16)	135.97	72.18-200.51	0.24	240.61 (43.92)	240.61	160.41-328.84	0.18	368.94 (56.48)	371.79	264.68-481.23	0.15
Aug-2020	358.28 (126.54)	362.73	143.31-621.21	0.35	414.01 (124.29)	411.55	199.04-676.74	0.30	493.62 (136.16)	487.29	246.81-788.21	0.28
Sep-2020	418.35 (84.71)	410.36	255.66-596.54	0.20	712.75 (188.76)	707.19	402.86-1138.85	0.26	844.45 (198.53)	859.69	542.31-1301.73	0.24
Oct-2020	403.21 (81.59)	407.78	255.88-573.79	0.20	612.56 (86.53)	614.36	449.73-790.9	0.14	837.43 (107.25)	838.38	635.82-1054.54	0.13
Nov-2020	519.59 (125.87)	520.77	286.94-791.02	0.24	674.7 (133.41)	678.84	449.8-954.07	0.20	1186.53 (269.62)	1,201.04	674.7-1652.03	0.23
Dec-2020	1154.62 (316.65)	1,174.32	643.18-1821.24	0.27	2580.46 (893.9)	2,591.35	1193.36-	0.35	3487.1 (941.09)	3,455.85	1882.84-	0.27
Jan-2021	681.83 (86.58)	681.92	526.68-860.23	0.13	1053.74 (109.27)	1,054.00	852.1-1278.44	0.10	1503.13 (112.12)	1,504.23	1293.93-	0.07
Feb-2021	100.69 (30.4)	101.33	46.47-170.39	0.30	185.88 (37.92)	187.57	123.92-263.33	0.20	278.82 (45.08)	278.41	193.63-364.02	0.16
Mar-2021	681.58 (204.89)	690.86	379.52-1154.24	0.30	875.22 (214.4)	881.33	541.98-1339.93	0.24	1107.58 (226.02)	1,116.46	735.8-1611.21	0.20
Apr-2021	85.32 (21.73)	86.05	46.54-131.85	0.25	131.85 (26.3)	131.68	85.32-178.39	0.20	209.41 (35.71)	211.31	147.17-286.97	0.17
May-2021	46.5 (18.16)	47.80	15.5-85.26	0.39	201.51 (59.44)	203.99	100.76-333.27	0.29	209.26 (58.27)	205.18	100.76-325.52	0.28
Jun-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2021	139.53 (29.88)	139.24	85.27-201.55	0.21	162.79 (32.68)	164.11	100.77-232.55	0.20	263.56 (39.06)	262.32	186.04-341.08	0.15
Aug-2021	271.03 (52.51)	269.97	178.1-379.44	0.19	363.95 (57.95)	363.96	255.35-480.3	0.16	480.1 (63.49)	480.88	356.21-604.2	0.13
Sep-2021	224.69 (37.74)	222.27	147.21-302.18	0.17	309.92 (45.98)	306.89	216.95-395.15	0.15	433.89 (55.27)	430.55	325.42-534.62	0.13
Oct-2021	643.58 (381.11)	651.30	131.62-1504.48	0.59	775.4 (362.34)	767.95	255.88-1597.52	0.47	1194.12 (387.1)	1,203.72	480.75-1993.17	0.32
Nov-2021	309.61 (53.17)	310.91	208.99-425.72	0.17	479.9 (60.64)	477.75	371.34-603.75	0.13	1788.02 (540.9)	1,779.62	851.25-2910.38	0.30
Dec-2021	1239.94 (315.88)	1,225.77	681.77-1883.55	0.25	1394.93 (307.87)	1,381.60	852.46-	0.22	1495.68 (315.91)	1,491.21	953.2-2154.4	0.21
Feb-2022	689.74 (91.06)	696.88	526.8-875.93	0.13	984.24 (101.51)	985.39	798.05-1185.93	0.10	1433.73 (111.37)	1,434.89	1232.24-	0.08
Feb-2022	828.84 (151.9)	832.58	549.98-1138.69	0.18	1285.86 (252.22)	1,299.85	859.82-1812.8	0.20	1766.13 (250.64)	1,765.96	1293.61-	0.14
Mar-2022	1326.08 (148.44)	1,322.34	1046.91-	0.11	1806.88 (162.39)	1,809.29	1504.25-	0.09	2279.93 (162.74)	2,281.60	1969.74-	0.07
Apr-2022	417.76 (63.37)	422.29	301.52-549.28	0.15	510.6 (68.49)	509.27	386.81-649.85	0.13	626.64 (71.2)	630.52	487.39-781.37	0.11
May-2022	100.93 (25.75)	99.85	54.35-155.28	0.26	178.57 (33.57)	178.94	116.46-248.44	0.19	225.15 (37)	223.95	155.28-295.03	0.16
Jun-2022	100.66 (28.9)	100.21	46.46-154.86	0.29	139.37 (32.77)	139.50	77.43-201.32	0.24	154.86 (34.28)	155.38	92.92-224.55	0.22
Jul-2022	237.94 (47.91)	236.60	142.77-333.12	0.20	293.46 (49.65)	292.25	198.29-388.64	0.17	333.12 (52.25)	333.77	237.94-436.43	0.16
Aug-2022	304.33 (43.07)	302.84	218.49-382.36	0.14	390.16 (45.24)	388.85	304.33-483.8	0.12	522.82 (54.67)	522.24	413.57-632.07	0.10
Sep-2022	332 (57.89)	330.44	221.33-442.66	0.17	450.57 (60.99)	449.60	332-569.14	0.14	545.42 (69.79)	543.84	411.04-687.71	0.13



## 1.11 Gannet

Table 11. Abundance of gannet recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	208.53 (77.23)	208.65	88.02-376.96	0.37	272.7 (74.71)	270.67	136.35-425.08	0.27	529.35 (166.96)	524.07	248.63-890.27	0.32
Aug-2020	254.77 (55.46)	254.46	151.27-374.2	0.22	294.58 (60)	294.30	183.12-414.01	0.20	390.12 (67.91)	391.42	270.7-517.71	0.17
Sep-2020	581.04 (118.53)	575.34	371.87-828.96	0.20	751.48 (123.09)	741.66	519.07-1014.89	0.16	890.94 (128.81)	894.14	658.52-1162.09	0.14
Oct-2020	364.44 (78.09)	364.86	224.86-527.27	0.21	387.7 (81.77)	389.10	240.37-558.28	0.21	457.48 (83.18)	456.64	302.4-643.58	0.18
Nov-2020	7.76 (7.36)	8.02	0-23.27	0.95	23.27 (16.52)	23.89	0-62.04	0.71	31.02 (16.48)	30.71	0-62.04	0.53
Dec-2020	31 (13.42)	31.62	7.75-61.99	0.43	31 (13.63)	31.28	7.75-54.24	0.44	31 (13.6)	30.99	7.75-61.99	0.44
Jan-2021	7.75 (7.11)	7.51	0-23.24	0.92	7.75 (7.23)	7.66	0-23.24	0.93	7.75 (7.69)	8.28	0-23.24	0.99
Feb-2021	54.22 (18.59)	54.32	15.49-92.94	0.34	69.71 (20.58)	69.99	30.98-116.18	0.30	85.2 (23.49)	86.54	38.73-131.67	0.28
Mar-2021	23.24 (12.3)	23.46	0-46.67	0.53	54.22 (18.87)	53.76	23.24-92.94	0.35	77.45 (24.69)	77.99	38.73-131.67	0.32
Apr-2021	186.14 (47.81)	189.67	108.58-286.97	0.26	263.7 (52.01)	264.78	170.44-372.29	0.20	325.75 (57.71)	326.98	224.73-449.85	0.18
May-2021	248.01 (72.68)	249.02	116.26-403.02	0.29	294.52 (77.77)	293.52	162.76-457.28	0.26	410.77 (87.79)	411.48	247.82-596.79	0.21
Jun-2021	162.78 (39.87)	161.54	85.27-240.3	0.24	217.04 (40.95)	217.14	147.28-294.56	0.19	255.8 (43.86)	254.52	170.53-341.07	0.17
Jul-2021	186.04 (44.41)	185.76	100.77-279.06	0.24	255.81 (54.76)	261.89	162.79-372.28	0.21	317.82 (57.68)	320.14	217.05-449.6	0.18
Aug-2021	394.92 (76.06)	395.68	263.09-542.05	0.19	557.54 (99.91)	553.91	371.69-766.62	0.18	1084.11 (379.73)	1,075.87	557.35-1959.33	0.35
Sep-2021	441.64 (76.42)	440.10	302.18-604.35	0.17	612.1 (88.39)	607.92	441.64-790.3	0.14	867.79 (110.4)	872.29	674.08-	0.13
Oct-2021	395.46 (66.32)	393.16	263.64-527.27	0.17	519.52 (70.83)	513.97	379.75-643.78	0.14	597.06 (74.82)	602.29	457.49-744.58	0.13
Nov-2021	7.74 (7.25)	7.91	0-23.22	0.94	23.22 (12.29)	22.56	0-46.44	0.53	30.96 (14.54)	31.21	7.74-61.92	0.47
Dec-2021	7.75 (7.06)	7.91	0-23.25	0.91	15.5 (10.33)	16.33	0-38.75	0.67	23.25 (12.25)	23.93	0-46.5	0.53
Feb-2022	15.5 (14.32)	16.00	0-46.5	0.92	23.25 (16.95)	24.53	0-62	0.73	77.5 (34.19)	78.05	23.25-147.25	0.44
Feb-2022	61.97 (19.82)	62.51	23.24-100.7	0.32	69.72 (20.85)	69.72	30.98-108.45	0.30	77.46 (22.17)	77.08	38.73-123.94	0.29
Mar-2022	147.34 (36.08)	147.84	85.3-217.14	0.24	201.63 (39.85)	202.39	131.83-286.93	0.20	240.4 (42.46)	240.85	162.85-325.7	0.18
Apr-2022	208.88 (47.99)	207.74	123.78-309.45	0.23	286.24 (52.24)	288.59	193.41-386.81	0.18	348.13 (57.11)	347.95	247.37-464.18	0.16
May-2022	62.11 (19.9)	62.13	23.29-100.93	0.32	100.93 (30.37)	101.91	46.58-163.04	0.30	225.15 (68.86)	228.80	116.46-380.43	0.31
Jun-2022	116.15 (35.64)	115.45	54.2-193.58	0.31	116.15 (36.59)	115.57	46.46-193.58	0.32	116.15 (34.33)	115.22	46.46-185.83	0.30
Jul-2022	206.22 (50.88)	204.46	111.04-301.39	0.25	261.74 (52.01)	259.35	166.56-365.04	0.20	317.26 (54.61)	317.30	214.15-428.3	0.17
Aug-2022	31.21 (14.21)	31.34	7.8-62.43	0.46	78.03 (33.04)	76.72	23.41-156.07	0.42	148.26 (40.33)	148.52	78.03-234.1	0.27
Sep-2022	189.71 (40.82)	188.63	118.37-276.66	0.22	308.28 (58.46)	306.83	197.62-426.85	0.19	537.52 (81.67)	538.95	387.33-703.52	0.15

## 1.12 Great Black-backed Gull

Table 12. Abundance of great black-backed gull recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	7.75 (7.14)	7.73	0-23.26	0.92	7.75 (7.44)	7.81	0-23.26	0.96	23.26 (15.48)	23.17	0-62.03	0.67
Nov-2020	62.04 (21.25)	61.85	23.27-101.01	0.34	77.55 (25.39)	76.29	31.02-131.84	0.33	77.55 (25.96)	77.86	31.02-131.84	0.33
Dec-2020	7.75 (7.29)	7.70	0-23.25	0.94	15.5 (13.42)	15.48	0-46.49	0.87	38.75 (18.11)	38.61	7.75-77.49	0.47
Jan-2021	23.24 (15.01)	22.48	0-54.24	0.65	23.24 (15.68)	22.73	0-61.98	0.67	23.24 (15.29)	24.29	0-54.24	0.66
Feb-2021	15.49 (9.99)	15.15	0-38.73	0.64	15.49 (10.44)	15.63	0-38.73	0.67	69.71 (39.22)	68.25	7.75-154.9	0.56
Mar-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		7.75 (5.45)	7.82	0-15.49	0.70
Apr-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	15.5 (13.89)	15.26	0-46.51	0.90	15.5 (14.56)	16.39	0-46.51	0.94	15.5 (15.35)	15.81	0-46.51	0.99
Jul-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2021	15.48 (10.16)	15.80	0-38.7	0.66	54.18 (17.72)	54.69	23.22-92.88	0.33	69.66 (19.95)	69.93	30.96-108.37	0.29
Dec-2021	108.49 (32.03)	108.48	54.25-178.24	0.30	154.99 (36.31)	155.78	85.25-232.49	0.23	185.99 (35.92)	186.25	116.24-263.49	0.19
Feb-2022	7.75 (6.28)	7.46	0-23.25	0.81	7.75 (6.23)	7.78	0-23.25	0.80	31 (14.77)	30.38	7.75-62	0.48
Feb-2022	46.48 (16.66)	46.23	15.49-77.46	0.36	61.97 (20.5)	62.56	23.24-100.7	0.33	69.72 (20.64)	69.34	30.98-108.64	0.30
Mar-2022	7.75 (7.02)	7.62	0-23.26	0.90	15.51 (9.85)	15.42	0-38.77	0.64	23.26 (11.76)	22.93	0-46.53	0.51
Apr-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

## 1.13 Great Northern Diver

Table 13. Abundance of great northern diver recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Oct-2020	7.75 (7.04)	7.72	0-23.26	0.91	7.75 (6.99)	8	0-23.26	0.9	7.75 (7.04)	7.83	0-23.26	0.91
Nov-2020	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
May-2021	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Sep-2021	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Nov-2021	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	

## 1.14 Great Shearwater

Table 14. Abundance of great shearwater recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
May-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Sep-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Nov-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0	0-0		0 (0)	0	0-0		7.9 (6.87)	7.75	0-23.71	0.87

## 1.15 Great Skua

Table 15. Abundance of great skua recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	8.02 (7.13)	7.78	0-24.06	0.89	16.04 (9.48)	16.08	0-32.08	0.59	16.04 (9.19)	15.97	0-32.08	0.57
Aug-2020	63.69 (32.01)	63.98	7.96-135.35	0.50	63.69 (34.6)	63.84	7.96-135.35	0.54	63.69 (34.15)	62.48	7.96-135.55	0.54
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	38.78 (16.1)	39.05	7.76-77.56	0.42	38.78 (16.34)	38.13	7.76-69.8	0.42	38.78 (15.57)	37.95	7.76-69.8	0.40
May-2021	0 (0)	0.00	0-0		7.75 (7)	7.73	0-23.25	0.90	7.75 (6.8)	7.64	0-23.25	0.88
Jun-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2021	7.75 (6.91)	7.62	0-23.26	0.89	31.01 (12.91)	31.08	7.75-54.46	0.42	31.01 (13.28)	30.24	7.75-54.26	0.43
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		7.74 (6.8)	7.75	0-23.23	0.88
Jul-2022	0 (0)	0.00	0-0		7.93 (7.28)	7.91	0-23.79	0.92	15.86 (10.6)	15.93	0-39.66	0.67
Aug-2022	7.8 (7.47)	7.62	0-23.41	0.96	7.8 (7.29)	7.83	0-23.41	0.93	7.8 (7.39)	7.89	0-23.41	0.95
Sep-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		7.9 (5.97)	8.09	0-15.81	0.75

## 1.16 Guillemot

Table 16. Abundance of guillemot recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	40.1 (23.15)	39.74	0-88.23	0.58	48.12 (23.98)	47.91	8.02-104.27	0.50	88.23 (31.38)	87.98	32.08-152.39	0.36
Aug-2020	15.92 (10.66)	15.45	0-39.81	0.67	23.89 (13.11)	23.84	0-55.73	0.55	39.81 (17.28)	40.49	7.96-71.66	0.43
Sep-2020	23.24 (16.05)	22.89	0-54.42	0.69	61.98 (24.28)	62.78	15.49-108.46	0.39	77.47 (26.43)	78.12	30.99-131.7	0.34
Oct-2020	46.52 (16.68)	46.75	15.51-85.29	0.36	108.56 (41.31)	109.85	38.77-201.6	0.38	131.82 (42.15)	132.40	54.28-217.3	0.32
Nov-2020	23.27 (12.3)	23.34	0-46.72	0.53	31.02 (14.96)	30.81	7.76-62.04	0.48	38.78 (15.35)	39.05	7.76-69.99	0.40
Dec-2020	46.49 (21.67)	46.99	7.75-92.99	0.47	77.49 (22.81)	78.24	38.75-123.99	0.29	85.24 (26.89)	84.12	38.75-139.48	0.32
Jan-2021	69.73 (33.54)	69.93	15.5-147.21	0.48	69.73 (32.15)	68.93	15.5-139.47	0.46	85.23 (34.89)	88.37	23.24-162.71	0.41
Feb-2021	139.41 (40)	139.64	69.71-224.61	0.29	178.14 (45.74)	179.58	100.69-278.82	0.26	317.55 (60.02)	319.25	201.37-441.47	0.19
Mar-2021	154.91 (42.24)	154.05	77.45-248.04	0.27	201.38 (48.75)	202.60	116.18-302.07	0.24	232.36 (52.38)	231.38	139.22-348.54	0.23
Apr-2021	31.02 (14.28)	30.13	7.76-62.05	0.46	69.8 (22.39)	67.80	31.02-116.34	0.32	93.07 (27.61)	93.07	46.54-147.36	0.30
May-2021	23.25 (15.56)	23.30	0-54.25	0.67	23.25 (15.87)	24.07	0-54.25	0.68	31 (17.47)	31.23	0-69.75	0.56
Jun-2021	46.51 (23.7)	46.92	7.75-93.02	0.51	77.52 (29.9)	76.61	23.25-139.53	0.39	85.27 (30.12)	85.73	31.01-147.28	0.35
Jul-2021	186.04 (66.2)	182.93	69.77-333.33	0.36	294.57 (74.78)	292.85	155.04-441.85	0.25	379.84 (83.63)	382.64	224.8-550.38	0.22
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	23.24 (11.8)	23.25	0-46.49	0.51	30.99 (13.78)	31.25	7.75-61.98	0.44	30.99 (14.18)	30.80	7.75-61.98	0.46
Oct-2021	279.15 (103.61)	270.45	100.8-480.75	0.37	519.52 (178.71)	515.99	209.36-907.42	0.34	860.7 (233.27)	850.10	449.73-1364.71	0.27
Nov-2021	38.7 (14.47)	37.81	15.48-69.66	0.37	46.44 (16.8)	46.38	15.48-85.14	0.36	92.88 (24.79)	92.97	46.44-139.52	0.27
Dec-2021	7.75 (7.14)	7.68	0-23.25	0.92	7.75 (7.12)	7.28	0-23.25	0.92	15.5 (9.84)	15.27	0-38.75	0.63
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	7.75 (7.22)	7.38	0-23.24	0.93	7.75 (7.33)	8.20	0-23.24	0.95	7.75 (7.32)	7.68	0-23.24	0.94
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	61.89 (25.96)	60.32	15.47-108.31	0.42	123.78 (36.93)	121.62	61.7-201.14	0.30	177.93 (51.35)	176.33	85.1-278.7	0.29
May-2022	395.96 (78.7)	394.08	248.44-551.23	0.20	520.18 (85.35)	518.99	357.14-690.98	0.16	683.22 (103.54)	686.04	481.36-893.04	0.15
Jun-2022	92.92 (28.37)	93.66	38.72-147.12	0.31	162.6 (46.64)	163.74	77.43-263.26	0.29	232.29 (55.13)	230.56	131.63-348.44	0.24
Jul-2022	174.49 (62.22)	175.25	71.38-317.26	0.36	222.08 (62.61)	226.11	118.97-357.11	0.28	277.6 (63.36)	276.12	166.56-412.43	0.23
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	23.71 (12.07)	23.48	0-47.43	0.51	23.71 (12.13)	23.40	0-47.43	0.51	23.71 (11.76)	23.34	0-47.43	0.50

**Table 17. Abundance of guillemot (including unidentified auks apportioned using identified auk ratios) recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.**

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	48.12 (27.78)	47.69	0-105.87	0.58	56.14 (27.98)	55.89	9.36-121.64	0.50	96.25 (34.23)	95.97	35-166.24	0.36
Aug-2020	15.92 (10.66)	15.45	0-39.81	0.67	23.89 (13.11)	23.84	0-55.73	0.55	39.81 (17.28)	40.49	7.96-71.66	0.43
Sep-2020	23.24 (16.05)	22.89	0-54.42	0.69	61.98 (24.28)	62.78	15.49-108.46	0.39	77.47 (26.43)	78.12	30.99-131.7	0.34
Oct-2020	54.28 (19.46)	54.54	18.09-99.51	0.36	116.31 (44.26)	117.70	41.54-216	0.38	139.57 (44.63)	140.19	57.47-230.09	0.32
Nov-2020	23.27 (12.3)	23.34	0-46.72	0.53	31.02 (14.96)	30.81	7.76-62.04	0.48	38.78 (15.35)	39.05	7.76-69.99	0.40
Dec-2020	54.24 (25.28)	54.82	9.04-108.49	0.47	85.24 (25.1)	86.06	42.62-136.38	0.29	92.99 (29.34)	91.76	42.27-152.16	0.32
Jan-2021	77.48 (37.26)	77.70	17.22-163.57	0.48	77.48 (35.72)	76.59	17.22-154.96	0.46	108.47 (44.41)	112.47	29.58-207.09	0.41
Feb-2021	170.39 (48.89)	170.68	85.2-274.52	0.29	209.12 (53.7)	210.81	118.2-327.31	0.26	348.53 (65.88)	350.40	221.02-484.54	0.19
Mar-2021	154.91 (42.24)	154.05	77.45-248.04	0.27	201.38 (48.75)	202.60	116.18-302.07	0.24	232.36 (52.38)	231.38	139.22-348.54	0.23
Apr-2021	46.54 (21.42)	45.20	11.63-93.07	0.46	100.83 (32.33)	97.93	44.81-168.05	0.32	124.1 (36.81)	124.10	62.05-196.49	0.30
May-2021	23.25 (15.56)	23.30	0-54.25	0.67	23.25 (15.87)	24.07	0-54.25	0.68	31 (17.47)	31.23	0-69.75	0.56
Jun-2021	46.51 (23.7)	46.92	7.75-93.02	0.51	77.52 (29.9)	76.61	23.25-139.53	0.39	85.27 (30.12)	85.73	31.01-147.28	0.35
Jul-2021	186.04 (66.2)	182.93	69.77-333.33	0.36	294.57 (74.78)	292.85	155.04-441.85	0.25	379.84 (83.63)	382.64	224.8-550.38	0.22
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	38.74 (19.67)	38.75	0-77.48	0.51	46.49 (20.66)	46.87	11.62-92.98	0.44	46.49 (21.26)	46.20	11.62-92.98	0.46
Oct-2021	302.41 (112.24)	292.98	109.2-520.81	0.37	542.78 (186.71)	539.10	218.73-948.05	0.34	891.71 (241.68)	880.73	465.94-1413.89	0.27
Nov-2021	46.44 (17.37)	45.37	18.58-83.6	0.37	61.92 (22.4)	61.84	20.64-113.53	0.36	108.37 (28.93)	108.46	54.18-162.77	0.27
Dec-2021	23.25 (21.41)	23.04	0-69.75	0.92	23.25 (21.35)	21.85	0-69.75	0.92	31 (19.68)	30.53	0-77.5	0.63
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	7.75 (7.22)	7.38	0-23.24	0.93	7.75 (7.33)	8.20	0-23.24	0.95	7.75 (7.32)	7.68	0-23.24	0.94
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	69.63 (29.2)	67.86	17.41-121.85	0.42	131.52 (39.23)	129.22	65.55-213.72	0.30	185.67 (53.58)	183.99	88.8-290.82	0.29
May-2022	403.72 (80.24)	401.81	253.31-562.04	0.20	535.7 (87.9)	534.48	367.8-711.61	0.16	698.75 (105.89)	701.64	492.3-913.33	0.15
Jun-2022	92.92 (28.37)	93.66	38.72-147.12	0.31	162.6 (46.64)	163.74	77.43-263.26	0.29	240.03 (56.96)	238.24	136.02-360.05	0.24
Jul-2022	174.49 (62.22)	175.25	71.38-317.26	0.36	230.01 (64.84)	234.18	123.22-369.87	0.28	293.46 (66.98)	291.90	176.08-436	0.23
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	31.62 (16.1)	31.30	0-63.24	0.51	31.62 (16.17)	31.20	0-63.24	0.51	39.52 (19.6)	38.90	0-79.05	0.50

**Table 18. Abundance of guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.**

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (23.15)	39.74	0-88.23		0 (23.98)	47.91	8.02-104.27		0 (31.38)	87.98	32.08-152.39	
Aug-2020	0 (10.66)	15.45	0-39.81		0 (13.11)	23.84	0-55.73		0 (17.28)	40.49	7.96-71.66	
Sep-2020	0 (16.05)	22.89	0-54.42		0 (24.28)	62.78	15.49-108.46		0 (26.43)	78.12	30.99-131.7	
Oct-2020	0 (16.68)	46.75	15.51-85.29		0 (41.31)	109.85	38.77-201.6		0 (42.15)	132.40	54.28-217.3	
Nov-2020	0 (12.3)	23.34	0-46.72		0 (14.96)	30.81	7.76-62.04		0 (15.35)	39.05	7.76-69.99	
Dec-2020	0 (21.67)	46.99	7.75-92.99		0 (22.81)	78.24	38.75-123.99		0 (26.89)	84.12	38.75-139.48	
Jan-2021	0 (33.54)	69.93	15.5-147.21		0 (32.15)	68.93	15.5-139.47		0 (34.89)	88.37	23.24-162.71	
Feb-2021	0 (40)	139.64	69.71-224.61		0 (45.74)	179.58	100.69-278.82		0 (60.02)	319.25	201.37-441.47	
Mar-2021	0 (42.24)	154.05	77.45-248.04		0 (48.75)	202.60	116.18-302.07		0 (52.38)	231.38	139.22-348.54	
Apr-2021	0 (14.28)	30.13	7.76-62.05		0 (22.39)	67.80	31.02-116.34		0 (27.61)	93.07	46.54-147.36	
May-2021	0 (15.56)	23.30	0-54.25		0 (15.87)	24.07	0-54.25		0 (17.47)	31.23	0-69.75	
Jun-2021	0 (23.7)	46.92	7.75-93.02		0 (29.9)	76.61	23.25-139.53		0 (30.12)	85.73	31.01-147.28	
Jul-2021	0 (66.2)	182.93	69.77-333.33		0 (74.78)	292.85	155.04-441.85		0 (83.63)	382.64	224.8-550.38	
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	0 (11.8)	23.25	0-46.49		0 (13.78)	31.25	7.75-61.98		0 (14.18)	30.80	7.75-61.98	
Oct-2021	0 (103.61)	270.45	100.8-480.75		0 (178.71)	515.99	209.36-907.42		0 (233.27)	850.10	449.73-1364.71	
Nov-2021	0 (14.47)	37.81	15.48-69.66		0 (16.8)	46.38	15.48-85.14		0 (24.79)	92.97	46.44-139.52	
Dec-2021	0 (7.14)	7.68	0-23.25		0 (7.12)	7.28	0-23.25		0 (9.84)	15.27	0-38.75	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (7.22)	7.38	0-23.24		0 (7.33)	8.20	0-23.24		0 (7.32)	7.68	0-23.24	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (25.96)	60.32	15.47-108.31		0 (36.93)	121.62	61.7-201.14		0 (51.35)	176.33	85.1-278.7	
May-2022	0 (78.7)	394.08	248.44-551.23		0 (85.35)	518.99	357.14-690.98		0 (103.54)	686.04	481.36-893.04	
Jun-2022	0 (28.37)	93.66	38.72-147.12		0 (46.64)	163.74	77.43-263.26		0 (55.13)	230.56	131.63-348.44	
Jul-2022	0 (62.22)	175.25	71.38-317.26		0 (62.61)	226.11	118.97-357.11		0 (63.36)	276.12	166.56-412.43	
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (12.07)	23.48	0-47.43		0 (12.13)	23.40	0-47.43		0 (11.76)	23.34	0-47.43	



## 1.17 Herring Gull

Table 19. Abundance of herring gull recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	15.51 (10.51)	16.05	0-38.78	0.68	15.51 (10.17)	15.36	0-38.78	0.66	23.27 (13.19)	22.62	0-54.29	0.57
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	7.75 (7.24)	7.73	0-23.24	0.93	7.75 (7.27)	7.68	0-23.24	0.94	15.5 (9.95)	15.78	0-38.74	0.64
Feb-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		7.75 (7.16)	7.68	0-23.24	0.93
Mar-2021	0 (0)	0.00	0-0		7.75 (7.35)	7.89	0-23.24	0.95	7.75 (7.21)	7.64	0-23.24	0.93
Apr-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	15.49 (10.18)	15.82	0-38.73	0.66	15.49 (9.97)	15.46	0-38.73	0.64	15.49 (10.21)	14.99	0-38.73	0.66
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

## 1.18 Kittiwake

Table 20. Abundance of kittiwake recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	120.31 (79.5)	122.71	16.04-304.78	0.66	160.41 (78.31)	160.38	48.12-336.86	0.49	200.51 (81.94)	199.23	80.2-384.98	0.41
Aug-2020	135.35 (37.24)	138.28	71.66-214.97	0.28	183.12 (41.8)	183.40	103.5-270.7	0.23	230.89 (46.58)	230.83	143.11-326.43	0.20
Sep-2020	7.75 (7.2)	7.75	0-23.24	0.93	7.75 (7.31)	7.65	0-23.24	0.94	7.75 (7.26)	7.72	0-23.24	0.94
Oct-2020	333.42 (69.57)	332.77	209.36-480.75	0.21	573.79 (86.1)	569.26	410.96-744.38	0.15	860.69 (125.52)	856.56	643.58-1132.08	0.15
Nov-2020	178.37 (44.68)	177.81	100.82-279.18	0.25	217.14 (45.04)	217.32	131.84-310.2	0.21	217.14 (45.74)	215.81	131.84-310.2	0.21
Dec-2020	31 (13.41)	31.14	7.75-61.99	0.43	61.99 (24.68)	61.53	23.25-116.24	0.40	77.49 (26.82)	79.24	31-131.74	0.35
Jan-2021	46.49 (17.64)	46.12	15.5-85.23	0.38	85.23 (23.7)	84.98	38.74-131.91	0.28	92.98 (24.39)	94.20	54.24-147.21	0.26
Feb-2021	123.92 (32.34)	123.43	69.51-193.63	0.26	139.41 (32.95)	139.33	77.45-209.12	0.24	154.9 (34.56)	155.03	92.94-224.61	0.22
Mar-2021	425.99 (84.92)	426.12	263.34-596.58	0.20	642.86 (95.42)	642.23	464.72-836.68	0.15	774.53 (96.4)	773.70	603.94-968.16	0.12
Apr-2021	279.22 (58.72)	275.74	170.63-395.56	0.21	473.12 (79.91)	474.78	318-635.99	0.17	604.97 (89.76)	607.21	442.09-783.55	0.15
May-2021	38.75 (35.64)	38.87	0-116.26	0.92	69.75 (55.18)	67.34	0-193.96	0.79	77.5 (55.68)	79.29	0-201.51	0.72
Jun-2021	31.01 (13.28)	30.70	7.75-54.26	0.43	31.01 (13.13)	30.84	7.75-54.26	0.42	38.76 (15.37)	38.99	15.5-69.76	0.40
Jul-2021	77.52 (24.08)	77.12	31.01-124.03	0.31	100.77 (28.24)	101.36	54.26-162.79	0.28	131.78 (31.48)	131.21	77.52-193.79	0.24
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	154.96 (54.24)	157.46	61.98-271.18	0.35	154.96 (52.19)	161.45	61.98-263.43	0.34	154.96 (52.81)	153.09	61.98-263.43	0.34
Oct-2021	496.26 (89.06)	498.71	333.42-682.55	0.18	589.31 (94.83)	589.52	410.96-790.91	0.16	814.17 (109.27)	819.97	612.57-1046.79	0.13
Nov-2021	85.14 (26.28)	84.49	30.96-139.33	0.31	108.37 (29.56)	108.94	54.18-162.55	0.27	123.85 (31.04)	124.64	69.47-193.51	0.25
Dec-2021	31 (13.91)	31.32	7.75-62	0.45	38.75 (15.32)	38.31	7.75-69.75	0.40	54.25 (18.3)	53.84	23.25-93	0.34
Feb-2022	54.25 (18.64)	55.37	23.25-93	0.34	85.25 (22.13)	84.76	46.5-131.75	0.26	124 (30.71)	123.84	69.75-186	0.25
Feb-2022	278.86 (55.83)	279.93	185.91-395.25	0.20	348.58 (60.95)	345.12	232.38-472.52	0.17	441.53 (66.26)	441.26	317.59-573.22	0.15
Mar-2022	705.69 (159.76)	715.21	434.27-1039.35	0.23	876.3 (159.84)	875.45	581.62-1202.2	0.18	1256.29 (166.11)	1,248.33	938.34-1605.26	0.13
Apr-2022	92.84 (32.66)	94.29	38.68-162.46	0.35	139.25 (34.89)	139.29	69.63-208.88	0.25	201.14 (40.91)	201.34	123.78-286.24	0.20
May-2022	62.11 (23.73)	63.07	23.29-116.46	0.38	85.4 (25.46)	86.08	38.82-139.75	0.30	124.22 (32.74)	123.90	62.11-194.1	0.26
Jun-2022	23.23 (12.44)	22.94	0-46.46	0.54	23.23 (12.33)	23.04	0-54.2	0.53	30.97 (14.14)	31.00	7.74-61.94	0.46
Jul-2022	801.07 (413.17)	804.91	126.9-1689.39	0.52	1086.61 (426.41)	1,082.47	372.78-2022.51	0.39	1173.85 (442.06)	1,172.73	459.82-2134.54	0.38
Aug-2022	7.8 (7.12)	7.78	0-23.41	0.91	15.61 (10.22)	15.84	0-39.02	0.66	23.41 (12.29)	23.46	0-46.82	0.53
Sep-2022	7.9 (7.58)	7.76	0-23.71	0.96	15.81 (9.6)	15.23	0-39.52	0.61	39.52 (16.19)	39.86	7.9-71.14	0.41

## 1.19 Large Auk sp.

Table 21. Abundance of large auk sp. recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	7.75 (7.14)	8.11	0-23.26	0.92	7.75 (7.31)	7.85	0-23.26	0.94	7.75 (7.21)	7.56	0-23.26	0.93
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	7.75 (7.37)	7.90	0-23.24	0.95	7.75 (7.11)	7.49	0-23.24	0.92	23.24 (15.79)	23.16	0-54.24	0.68
Feb-2021	30.98 (13.09)	30.78	7.75-54.22	0.42	30.98 (13.47)	31.12	7.75-61.96	0.43	30.98 (12.89)	31.02	7.75-54.22	0.42
Mar-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	15.51 (13.73)	15.28	0-46.54	0.89	23.27 (15.24)	24.06	0-54.29	0.66	23.27 (15.2)	22.73	0-54.29	0.65
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	7.75 (7.3)	8.03	0-23.24	0.94	7.75 (7.05)	7.51	0-23.24	0.91	7.75 (6.74)	7.67	0-23.24	0.87
Oct-2021	15.51 (14.97)	15.94	0-46.52	0.97	15.51 (14.42)	15.03	0-46.52	0.93	23.26 (16.53)	24.22	0-62.03	0.71
Nov-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	15.5 (10)	15.53	0-38.75	0.64	15.5 (9.78)	15.89	0-38.75	0.63	15.5 (10.11)	15.47	0-38.75	0.65
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	7.76 (7.04)	7.59	0-23.29	0.91	7.76 (7.46)	7.97	0-23.29	0.96	7.76 (7.11)	7.65	0-23.29	0.92
Jun-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	7.9 (7.36)	7.90	0-23.71	0.93	7.9 (7.16)	8.21	0-23.71	0.91	15.81 (10.51)	15.68	0-39.52	0.66

## 1.20 Little Auk

Table 22. Abundance of little auk recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
May-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Sep-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Nov-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0	0-0		0 (0)	0	0-0		7.75 (6.99)	7.84	0-23.25	0.9
Feb-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	

1.21 Little Gull

Table 23. Abundance of little gull recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	7.75 (7.69)	8.2	0-23.24	0.99	7.75 (7.38)	7.49	0-23.24	0.95	7.75 (7.3)	7.64	0-23.24	0.94
Oct-2020	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2021	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2021	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0.0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

## 1.22 Manx Shearwater

Table 24. Abundance of Manx shearwater recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		7.75 (6.82)	7.65	0-23.24	0.88
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	7.75 (7.23)	7.84	0-23.25	0.93	15.5 (9.87)	15.32	0-38.76	0.64	15.5 (10.31)	16.15	0-38.76	0.66
Jul-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		7.74 (5.96)	7.82	0-15.49	0.77
Sep-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		7.75 (6.93)	7.79	0-23.26	0.89
Nov-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	7.93 (7.37)	8.11	0-23.79	0.93	7.93 (7.38)	7.99	0-23.79	0.93	15.86 (9.89)	15.37	0-39.66	0.62
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	7.9 (7.63)	8.05	0-23.71	0.96	7.9 (7.5)	7.79	0-23.71	0.95	15.81 (10.19)	15.86	0-39.52	0.64

## 1.23 Puffin

Table 25. Abundance of puffin recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		16.04 (9.86)	15.42	0-32.08	0.61	16.04 (9.62)	15.96	0-32.08	0.60
Aug-2020	7.96 (7.49)	7.74	0-23.89	0.94	63.69 (35.89)	62.91	0-135.35	0.56	183.12 (71.65)	185.86	55.73-334.39	0.39
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	15.51 (9.92)	15.71	0-38.78	0.64	15.51 (9.47)	15.45	0-38.78	0.61	15.51 (9.71)	15.96	0-38.78	0.63
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	240.3 (55.21)	239.25	131.78-348.82	0.23	395.33 (72.85)	399.40	248.05-542.61	0.18	550.36 (101.52)	552.13	364.32-759.85	0.18
Jul-2021	100.77 (38.02)	101.56	31.01-178.29	0.38	108.52 (39.67)	108.21	38.76-193.79	0.37	248.06 (91.77)	258.93	100.77-457.55	0.37
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	7.75 (6.96)	7.54	0-23.24	0.90	7.75 (7.15)	7.64	0-23.24	0.92	7.75 (6.8)	7.33	0-23.24	0.88
Oct-2021	7.75 (7.28)	7.79	0-23.26	0.94	7.75 (7.19)	7.64	0-23.26	0.93	7.75 (7.29)	7.72	0-23.26	0.94
Nov-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	293.98 (80.02)	293.91	154.53-464.18	0.27	332.66 (84.8)	326.97	170.01-502.86	0.25	340.4 (81.89)	340.44	201.14-502.86	0.24
May-2022	287.26 (56.41)	286.49	178.57-396.15	0.20	458.07 (89.02)	456.28	295.03-636.63	0.19	753.09 (163.49)	764.33	481.36-1117.99	0.22
Jun-2022	23.23 (16.28)	22.76	0-61.94	0.70	77.43 (33.46)	78.12	15.49-147.12	0.43	147.12 (59.41)	151.60	46.46-278.75	0.40
Jul-2022	79.31 (22.64)	79.50	39.46-126.9	0.29	142.77 (37.29)	140.49	71.38-214.35	0.26	309.33 (124.8)	314.85	118.97-578.99	0.40
Aug-2022	31.21 (19.7)	31.64	0-78.03	0.63	31.21 (19.44)	31.33	0-70.23	0.62	31.21 (19.54)	30.54	0-70.23	0.63
Sep-2022	7.9 (7.44)	8.13	0-23.71	0.94	7.9 (7.42)	8.08	0-23.71	0.94	15.81 (10.64)	15.91	0-39.52	0.67

**Table 26. Abundance of puffin (including unidentified auks apportioned using identified auk ratios) recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.**

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		16.04 (9.86)	15.42	0-32.08	0.61	16.04 (9.62)	15.96	0-32.08	0.60
Aug-2020	7.96 (7.49)	7.74	0-23.89	0.94	63.69 (35.89)	62.91	0-135.35	0.56	183.12 (71.65)	185.86	55.73-334.39	0.39
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	15.51 (9.92)	15.71	0-38.78	0.64	15.51 (9.47)	15.45	0-38.78	0.61	15.51 (9.71)	15.96	0-38.78	0.63
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	240.3 (55.21)	239.25	131.78-348.82	0.23	395.33 (72.85)	399.40	248.05-542.61	0.18	550.36 (101.52)	552.13	364.32-759.85	0.18
Jul-2021	100.77 (38.02)	101.56	31.01-178.29	0.38	108.52 (39.67)	108.21	38.76-193.79	0.37	248.06 (91.77)	258.93	100.77-457.55	0.37
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	7.75 (6.96)	7.54	0-23.24	0.90	7.75 (7.15)	7.64	0-23.24	0.92	7.75 (6.8)	7.33	0-23.24	0.88
Oct-2021	7.75 (7.28)	7.79	0-23.26	0.94	7.75 (7.19)	7.64	0-23.26	0.93	7.75 (7.29)	7.72	0-23.26	0.94
Nov-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	317.19 (86.34)	317.11	166.73-500.82	0.27	355.87 (90.72)	349.78	181.87-537.94	0.25	363.61 (87.47)	363.66	214.86-537.14	0.24
May-2022	287.26 (56.41)	286.49	178.57-396.15	0.20	458.07 (89.02)	456.28	295.03-636.63	0.19	760.86 (165.18)	772.21	486.32-1129.52	0.22
Jun-2022	23.23 (16.28)	22.76	0-61.94	0.70	77.43 (33.46)	78.12	15.49-147.12	0.43	147.12 (59.41)	151.60	46.46-278.75	0.40
Jul-2022	79.31 (22.64)	79.50	39.46-126.9	0.29	142.77 (37.29)	140.49	71.38-214.35	0.26	325.19 (131.2)	330.99	125.07-608.69	0.40
Aug-2022	31.21 (19.7)	31.64	0-78.03	0.63	31.21 (19.44)	31.33	0-70.23	0.62	31.21 (19.54)	30.54	0-70.23	0.63
Sep-2022	7.9 (7.44)	8.13	0-23.71	0.94	7.9 (7.42)	8.08	0-23.71	0.94	15.81 (10.64)	15.91	0-39.52	0.67



**Table 27. Abundance of puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.**

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (9.86)	15.42	0-32.08		0 (9.62)	15.96	0-32.08	
Aug-2020	0 (7.49)	7.74	0-23.89		0 (35.89)	62.91	0-135.35		0 (71.65)	185.86	55.73-334.39	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (9.92)	15.71	0-38.78		0 (9.47)	15.45	0-38.78		0 (9.71)	15.96	0-38.78	
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (55.21)	239.25	131.78-348.82		0 (72.85)	399.40	248.05-542.61		0 (101.52)	552.13	364.32-759.85	
Jul-2021	0 (38.02)	101.56	31.01-178.29		0 (39.67)	108.21	38.76-193.79		0 (91.77)	258.93	100.77-457.55	
Aug-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	0 (6.96)	7.54	0-23.24		0 (7.15)	7.64	0-23.24		0 (6.8)	7.33	0-23.24	
Oct-2021	0 (7.28)	7.79	0-23.26		0 (7.19)	7.64	0-23.26		0 (7.29)	7.72	0-23.26	
Nov-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (80.02)	293.91	154.53-464.18		0 (84.8)	326.97	170.01-502.86		0 (81.89)	340.44	201.14-502.86	
May-2022	0 (56.41)	286.49	178.57-396.15		0 (89.02)	456.28	295.03-636.63		0 (163.49)	764.33	481.36-1117.99	
Jun-2022	0 (16.28)	22.76	0-61.94		0 (33.46)	78.12	15.49-147.12		0 (59.41)	151.60	46.46-278.75	
Jul-2022	0 (22.64)	79.50	39.46-126.9		0 (37.29)	140.49	71.38-214.35		0 (124.8)	314.85	118.97-578.99	
Aug-2022	0 (19.7)	31.64	0-78.03		0 (19.44)	31.33	0-70.23		0 (19.54)	30.54	0-70.23	
Sep-2022	0 (7.44)	8.13	0-23.71		0 (7.42)	8.08	0-23.71		0 (10.64)	15.91	0-39.52	

## 1.24 Razorbill

Table 28. Abundance of razorbill recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		7.75 (7.03)	8.09	0-23.24	0.91	7.75 (6.96)	7.61	0-23.24	0.90
Mar-2021	0 (0)	0.00	0-0		7.75 (7.48)	7.96	0-23.24	0.97	7.75 (7.02)	7.47	0-23.24	0.91
Apr-2021	7.76 (7.16)	7.94	0-23.27	0.92	7.76 (7.05)	7.83	0-23.27	0.91	7.76 (7.29)	8.04	0-23.27	0.94
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	7.75 (7.07)	7.53	0-23.25	0.91	7.75 (7.53)	7.81	0-23.25	0.97	7.75 (7.17)	7.70	0-23.25	0.93
Jul-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	7.74 (6.75)	7.29	0-23.23	0.87	7.74 (7.1)	7.80	0-23.23	0.92	7.74 (6.99)	7.56	0-23.23	0.90
Sep-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0.00	0-0		7.75 (7.1)	7.72	0-23.26	0.92	7.75 (7.26)	7.92	0-23.26	0.94
Nov-2021	7.74 (7.3)	7.76	0-23.22	0.94	7.74 (7.06)	7.92	0-23.22	0.91	7.74 (7.2)	7.64	0-23.22	0.93
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		7.75 (5.49)	7.67	0-15.51	0.71
Apr-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

**Table 29. Abundance of razorbill (including unidentified auks apportioned using identified auk ratios) recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.**

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		7.75 (7.03)	8.09	0-23.24	0.91	7.75 (6.96)	7.61	0-23.24	0.90
Mar-2021	0 (0)	0.00	0-0		7.75 (7.48)	7.96	0-23.24	0.97	7.75 (7.02)	7.47	0-23.24	0.91
Apr-2021	7.76 (7.16)	7.94	0-23.27	0.92	7.76 (7.05)	7.83	0-23.27	0.91	7.76 (7.29)	8.04	0-23.27	0.94
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	7.75 (7.07)	7.53	0-23.25	0.91	7.75 (7.53)	7.81	0-23.25	0.97	7.75 (7.17)	7.70	0-23.25	0.93
Jul-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	7.74 (6.75)	7.29	0-23.23	0.87	7.74 (7.1)	7.80	0-23.23	0.92	15.49 (13.97)	15.12	0-46.46	0.90
Sep-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0.00	0-0		7.75 (7.1)	7.72	0-23.26	0.92	7.75 (7.26)	7.92	0-23.26	0.94
Nov-2021	7.74 (7.3)	7.76	0-23.22	0.94	7.74 (7.06)	7.92	0-23.22	0.91	7.74 (7.2)	7.64	0-23.22	0.93
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		7.75 (5.49)	7.67	0-15.51	0.71
Apr-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

**Table 30. Abundance of razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.**

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		0 (7.03)	8.09	0-23.24		0 (6.96)	7.61	0-23.24	
Mar-2021	0 (0)	0.00	0-0		0 (7.48)	7.96	0-23.24		0 (7.02)	7.47	0-23.24	
Apr-2021	0 (7.16)	7.94	0-23.27		0 (7.05)	7.83	0-23.27		0 (7.29)	8.04	0-23.27	
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (7.07)	7.53	0-23.25		0 (7.53)	7.81	0-23.25		0 (7.17)	7.70	0-23.25	
Jul-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (6.75)	7.29	0-23.23		0 (7.1)	7.80	0-23.23		0 (6.99)	7.56	0-23.23	
Sep-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0.00	0-0		0 (7.1)	7.72	0-23.26		0 (7.26)	7.92	0-23.26	
Nov-2021	0 (7.3)	7.76	0-23.22		0 (7.06)	7.92	0-23.22		0 (7.2)	7.64	0-23.22	
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (5.49)	7.67	0-15.51	
Apr-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

## 1.25 Shag

Table 31. Abundance of shag recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0	0-0		7.76 (7.23)	7.95	0-23.27	0.93	15.51 (10.01)	15.64	0-38.78	0.65
May-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

## 1.26 Sooty Shearwater

Table 32. Abundance of sooty shearwater recorded in flight in each survey, S.D., mean of bootstraps, coefficient of variation (CV) and 95% confidence intervals, in the OAA, OAA plus 2 km buffer and OAA plus 4 km buffer.

Survey	Abundance											
	OAA				OAA plus 2 km buffer				OAA plus 4 km buffer			
	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV	Estimate (S.D.)	Mean (bs)	95% c.i.	CV
Jul-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2020	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jan-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2021	7.74 (7.21)	7.89	0-23.23	0.93	15.49 (10.53)	15.56	0-38.72	0.68	15.49 (10.62)	15.56	0-38.72	0.69
Sep-2021	0 (0)	0.00	0-0		7.75 (6.71)	7.69	0-23.24	0.87	7.75 (6.71)	7.86	0-23.24	0.87
Oct-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec-2021	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep-2022	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	