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West of Orkney Windfarm

Offshore Ornithology Supplementary Environmental Information

Annex 1L: Design-based analysis mean density estimates from each calendar month of flying birds

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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.....	18
1.18	Kittiwake.....	19
1.19	Large Auk sp.....	20
1.20	Little Auk	21
1.21	Little Gull.....	22
1.22	Manx Shearwater.....	23
1.23	Puffin	24
1.24	Razorbill.....	26
1.25	Shag	28
1.26	Sooty Shearwater	29

LIST OF TABLES

Table 1. Monthly density (birds/km ²) of Arctic skua recorded in flight, 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. Monthly density (birds/km ²) of Arctic tern recorded in flight, 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. Monthly density (birds/km ²) of auk sp. recorded in flight, 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. Monthly density (birds/km ²) of black-headed gull recorded in flight, 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. Monthly density (birds/km ²) of black guillemot recorded in flight, 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. Monthly density (birds/km ²) of common gull recorded in flight, 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. Monthly density (birds/km ²) of common tern recorded in flight, 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. Monthly density (birds/km ²) of Cory's shearwater recorded in flight, 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. Monthly density (birds/km ²) of European storm-petrel recorded in flight, 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. Monthly density (birds/km ²) of fulmar recorded in flight, 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. Monthly density (birds/km ²) of gannet recorded in flight, 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. Monthly density (birds/km ²) of great black-backed gull recorded in flight, 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. Monthly density (birds/km ²) of great northern diver recorded in flight, 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. Monthly density (birds/km ²) of great shearwater recorded in flight, 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. Monthly density (birds/km²) of great skua recorded in flight, 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. Monthly density (birds/km²) of guillemot recorded in flight, 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. Monthly density (birds/km²) of guillemot (including unidentified auks apportioned using identified auk ratios) recorded in flight, 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 18. Monthly density (birds/km²) of herring gull recorded in flight, 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. Monthly density (birds/km²) of kittiwake recorded in flight, 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. Monthly density (birds/km²) of large auk sp. recorded in flight, 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. Monthly density (birds/km²) of little auk recorded in flight, 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. Monthly density (birds/km²) of little gull recorded in flight, 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. Monthly density (birds/km²) of Manx shearwater recorded in flight, 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. Monthly density (birds/km²) of puffin recorded in flight, 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. Monthly density (birds/km²) of puffin (including unidentified auks apportioned using identified auk ratios) recorded in flight, 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 26. Monthly density (birds/km²) of razorbill recorded in flight, 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. Monthly density (birds/km²) of razorbill (including unidentified auks apportioned using identified auk ratios) recorded in flight, 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 28. Monthly density (birds/km²) of shag recorded in flight, 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. Monthly density (birds/km²) of sooty shearwater recorded in flight, 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

1.1 Arctic Skua

Table 1. Monthly density (birds/km²) of Arctic skua recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Feb	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Mar	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Apr	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
May	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jun	0.01 (0.01)	0.01	0-0.04	1.7	0 (0.01)	0	0-0.03	1.70	0 (0.01)	0	0-0.02	1.72
Jul	0 (0)	0.00	0-0		0 (0.01)	0	0-0.02	2.11	0 (0)	0	0-0.01	2.15
Aug	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Sep	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Oct	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Nov	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Dec	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	

1.2 Arctic Tern

Table 2. Monthly density (birds/km²) of Arctic tern recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May	0.01 (0.01)	0.01	0-0.04	1.64	0 (0.01)	0.00	0-0.03	1.67	0 (0.01)	0.00	0-0.02	1.68
Jun	0.08 (0.13)	0.07	0-0.46	1.63	0.06 (0.09)	0.06	0-0.34	1.66	0.04 (0.07)	0.04	0-0.26	1.61
Jul	0.01 (0.01)	0.01	0-0.05	1.84	0.02 (0.03)	0.02	0-0.11	1.80	0.01 (0.03)	0.01	0-0.08	1.83
Aug	0 (0.01)	0.01	0-0.04	2.17	0.01 (0.02)	0.01	0-0.05	1.45	0.01 (0.01)	0.01	0-0.04	1.19
Sep	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

1.3 Auk sp.

Table 3. Monthly density (birds/km²) of auk sp. recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr	0.02 (0.03)	0.02	0-0.09	1.27	0.02 (0.02)	0.02	0-0.07	0.90	0.02 (0.02)	0.02	0-0.05	0.91
May	0 (0)	0.00	0-0		0 (0.01)	0.00	0-0.03	1.68	0.01 (0.01)	0.01	0-0.03	1.35
Jun	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0.01)	0.00	0-0.02	1.60
Jul	0 (0.01)	0.00	0-0.02	2.02	0.01 (0.01)	0.01	0-0.03	1.31	0.01 (0.02)	0.01	0-0.05	1.48
Aug	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0.01	1.98
Sep	0 (0.01)	0.00	0-0.02	2.02	0 (0.01)	0.00	0-0.02	2.13	0 (0)	0.00	0-0.01	2.19
Oct	0.01 (0.01)	0.01	0-0.04	1.62	0 (0.01)	0.00	0-0.03	1.74	0 (0.01)	0.00	0-0.02	1.70
Nov	0.01 (0.01)	0.01	0-0.04	1.63	0.01 (0.01)	0.01	0-0.03	1.36	0.01 (0.01)	0.01	0-0.03	1.34
Dec	0.01 (0.01)	0.01	0-0.04	1.73	0 (0.01)	0.00	0-0.03	1.62	0 (0.01)	0.00	0-0.02	1.66

1.4 Black-headed Gull

Table 4. Monthly density (birds/km²) of black-headed gull recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Feb	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Mar	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Apr	0.01 (0.01)	0.01	0-0.04	1.62	0 (0.01)	0	0-0.03	1.63	0 (0.01)	0	0-0.02	1.63
May	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jun	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jul	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Aug	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Sep	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Oct	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Nov	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Dec	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	

1.5 Black Guillemot

Table 5. Monthly density (birds/km²) of black guillemot recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Feb	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Mar	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Apr	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
May	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jun	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jul	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Aug	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Sep	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Oct	0.01 (0.01)	0.01	0-0.04	1.57	0 (0.01)	0	0-0.03	1.65	0 (0.01)	0	0-0.02	1.69
Nov	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Dec	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	

1.6 Common Gull

Table 6. Monthly density (birds/km²) of common gull recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Feb	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Mar	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Apr	0 (0)	0	0-0		0 (0.01)	0	0-0.03	1.68	0 (0.01)	0	0-0.02	1.6
May	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jun	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jul	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Aug	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Sep	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Oct	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Nov	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Dec	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	

1.7 Common Tern

Table 7. Monthly density (birds/km²) of common tern recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Feb	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Mar	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Apr	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
May	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jun	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jul	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Aug	0 (0)	0	0-0		0 (0.01)	0	0-0.02	2.04	0 (0.01)	0	0-0.03	1.7
Sep	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Oct	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Nov	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Dec	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	

1.8 Cory's Shearwater

Table 8. Monthly density (birds/km²) of Cory's shearwater recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Feb	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Mar	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Apr	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
May	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jun	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jul	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Aug	0 (0.01)	0	0-0.04	2.22	0 (0.01)	0	0-0.02	2.1	0 (0)	0	0-0.01	2.16
Sep	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Oct	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Nov	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Dec	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	

1.9 European Storm-petrel

Table 9. Monthly density (birds/km²) of European storm-petrel recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug	0.1 (0.15)	0.10	0-0.46	1.52	0.08 (0.13)	0.08	0-0.38	1.55	0.08 (0.12)	0.08	0-0.34	1.44
Sep	0.02 (0.03)	0.02	0-0.08	1.63	0.01 (0.02)	0.01	0-0.07	1.57	0.04 (0.05)	0.04	0-0.15	1.39
Oct	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

1.10 Fulmar

Table 10. Monthly density (birds/km²) of fulmar recorded in flight, 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.

Month	Density											
	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
Jan	1.04 (0.13)	1.04	0.8-1.31	0.13	1.18 (0.12)	1.18	0.95-1.43	0.10	1.3 (0.1)	1.30	1.12-1.49	0.07
Feb	0.82 (0.51)	0.83	0.09-1.61	0.62	0.92 (0.55)	0.92	0.15-1.87	0.60	1 (0.57)	1.00	0.19-1.86	0.57
Mar	1.53 (0.55)	1.53	0.64-2.4	0.36	1.5 (0.56)	1.50	0.65-2.34	0.37	1.46 (0.53)	1.47	0.68-2.21	0.36
Apr	0.38 (0.27)	0.39	0.08-0.81	0.69	0.36 (0.22)	0.36	0.1-0.7	0.61	0.36 (0.19)	0.36	0.13-0.65	0.52
May	0.11 (0.05)	0.11	0.02-0.22	0.46	0.21 (0.06)	0.21	0.12-0.34	0.26	0.19 (0.04)	0.19	0.09-0.27	0.23
Jun	0.08 (0.08)	0.08	0-0.24	1.08	0.08 (0.08)	0.08	0-0.22	1.05	0.07 (0.07)	0.07	0-0.19	1.05
Jul	0.26 (0.09)	0.26	0.12-0.47	0.35	0.26 (0.08)	0.26	0.13-0.41	0.29	0.28 (0.06)	0.28	0.18-0.4	0.21
Aug	0.47 (0.14)	0.48	0.26-0.84	0.29	0.44 (0.1)	0.43	0.26-0.67	0.22	0.43 (0.08)	0.43	0.26-0.6	0.19
Sep	0.5 (0.15)	0.49	0.26-0.83	0.31	0.55 (0.23)	0.55	0.27-1.13	0.41	0.53 (0.19)	0.53	0.3-1	0.36
Oct	0.8 (0.46)	0.81	0.24-2.16	0.58	0.78 (0.31)	0.77	0.31-1.47	0.40	0.88 (0.29)	0.88	0.48-1.61	0.33
Nov	0.63 (0.22)	0.63	0.35-1.11	0.34	0.65 (0.16)	0.65	0.42-1.02	0.25	1.29 (0.45)	1.29	0.62-2.34	0.35
Dec	1.82 (0.48)	1.83	1-2.85	0.26	2.22 (1.01)	2.22	1.01-4.72	0.45	2.15 (1.04)	2.14	0.86-4.41	0.48

1.11 Gannet

Table 11. Monthly density (birds/km²) of gannet recorded in flight, 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.

Month	Density											
	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
Jan	0.01 (0.01)	0.01	0-0.04	0.92	0.01 (0.01)	0.01	0-0.03	0.93	0.01 (0.01)	0.01	0-0.02	0.99
Feb	0.07 (0.04)	0.07	0-0.14	0.61	0.06 (0.03)	0.06	0-0.12	0.53	0.07 (0.02)	0.07	0.03-0.12	0.34
Mar	0.13 (0.1)	0.13	0.01-0.32	0.79	0.14 (0.09)	0.14	0.03-0.3	0.63	0.14 (0.08)	0.14	0.03-0.27	0.56
Apr	0.3 (0.07)	0.30	0.17-0.45	0.25	0.31 (0.06)	0.31	0.2-0.43	0.19	0.29 (0.05)	0.29	0.2-0.39	0.17
May	0.24 (0.16)	0.24	0.05-0.57	0.69	0.22 (0.13)	0.22	0.06-0.49	0.57	0.27 (0.1)	0.28	0.11-0.49	0.38
Jun	0.21 (0.07)	0.21	0.09-0.35	0.32	0.19 (0.07)	0.19	0.07-0.32	0.38	0.16 (0.07)	0.16	0.05-0.28	0.43
Jul	0.31 (0.09)	0.30	0.15-0.5	0.30	0.29 (0.07)	0.30	0.17-0.45	0.23	0.34 (0.12)	0.33	0.19-0.68	0.37
Aug	0.35 (0.24)	0.32	0.02-0.78	0.70	0.35 (0.23)	0.34	0.03-0.79	0.67	0.47 (0.39)	0.47	0.08-1.41	0.84
Sep	0.62 (0.28)	0.49	0.2-1.14	0.45	0.62 (0.23)	0.62	0.26-1.05	0.37	0.66 (0.17)	0.66	0.36-0.95	0.26
Oct	0.58 (0.11)	0.58	0.37-0.8	0.19	0.51 (0.11)	0.50	0.29-0.71	0.22	0.46 (0.09)	0.46	0.29-0.63	0.20
Nov	0.01 (0.01)	0.01	0-0.04	0.94	0.03 (0.02)	0.03	0-0.06	0.63	0.03 (0.01)	0.03	0.01-0.05	0.50
Dec	0.03 (0.02)	0.03	0-0.08	0.83	0.03 (0.02)	0.03	0-0.06	0.61	0.02 (0.01)	0.02	0.01-0.05	0.49

1.12 Great Black-backed Gull

Table 12. Monthly density (birds/km²) of great black-backed gull recorded in flight, 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.

Month	Density											
	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
Jan	0.04 (0.02)	0.04	0-0.08	0.65	0.03 (0.02)	0.03	0-0.07	0.67	0.02 (0.01)	0.02	0-0.05	0.66
Feb	0.04 (0.03)	0.04	0-0.11	0.88	0.03 (0.03)	0.03	0-0.1	0.98	0.05 (0.03)	0.05	0.01-0.11	0.57
Mar	0.01 (0.01)	0.00	0-0.04	1.61	0.01 (0.01)	0.01	0-0.03	1.34	0.01 (0.01)	0.01	0-0.04	0.77
Apr	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun	0.01 (0.02)	0.01	0-0.07	1.60	0.01 (0.01)	0.01	0-0.05	1.70	0.01 (0.01)	0.01	0-0.04	1.73
Jul	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct	0.01 (0.01)	0.01	0-0.04	1.64	0 (0.01)	0.00	0-0.03	1.69	0.01 (0.01)	0.01	0-0.05	1.37
Nov	0.06 (0.04)	0.06	0-0.15	0.73	0.07 (0.03)	0.07	0.03-0.13	0.37	0.06 (0.02)	0.06	0.03-0.11	0.32
Dec	0.09 (0.08)	0.09	0-0.25	0.95	0.1 (0.08)	0.10	0-0.24	0.88	0.1 (0.07)	0.10	0.01-0.21	0.70

1.13 Great Northern Diver

Table 13. Monthly density (birds/km²) of great northern diver recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Feb	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Mar	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Apr	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
May	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jun	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jul	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Aug	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Sep	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Oct	0.01 (0.01)	0.01	0-0.04	1.63	0 (0.01)	0	0-0.03	1.64	0 (0.01)	0	0-0.02	1.63
Nov	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Dec	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	

1.14 Great Shearwater

Table 14. Monthly density (birds/km²) of great shearwater recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Feb	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Mar	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Apr	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
May	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jun	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jul	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Aug	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Sep	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0.01	2.05
Oct	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Nov	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Dec	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	

1.15 Great Skua

Table 15. Monthly density (birds/km²) of great skua recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr	0.03 (0.03)	0.03	0-0.11	1.17	0.02 (0.02)	0.02	0-0.07	1.15	0.02 (0.02)	0.02	0-0.05	1.13
May	0 (0)	0.00	0-0		0 (0.01)	0.00	0-0.03	1.62	0 (0.01)	0.00	0-0.01	1.59
Jun	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0.01)	0.00	0-0.01	1.60
Jul	0.01 (0.01)	0.01	0-0.04	1.29	0.02 (0.02)	0.02	0-0.05	0.76	0.02 (0.01)	0.02	0-0.05	0.62
Aug	0.04 (0.05)	0.01	0-0.17	1.44	0.03 (0.04)	0.03	0-0.13	1.47	0.02 (0.03)	0.02	0-0.1	1.44
Sep	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0.01	1.95
Oct	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

1.16 Guillemot

Table 16. Monthly density (birds/km²) of guillemot recorded in flight, 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.

Month	Density											
	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
Jan	0.11 (0.05)	0.11	0.02-0.22	0.48	0.08 (0.04)	0.08	0.02-0.16	0.46	0.07 (0.03)	0.08	0.02-0.14	0.41
Feb	0.07 (0.1)	0.07	0-0.31	1.39	0.07 (0.1)	0.07	0-0.28	1.40	0.09 (0.13)	0.09	0-0.35	1.41
Mar	0.12 (0.13)	0.12	0-0.34	1.07	0.11 (0.12)	0.11	0-0.32	1.06	0.1 (0.11)	0.10	0-0.27	1.05
Apr	0.07 (0.04)	0.07	0.01-0.17	0.56	0.11 (0.05)	0.11	0.03-0.21	0.42	0.12 (0.05)	0.12	0.04-0.23	0.43
May	0.32 (0.3)	0.32	0-0.8	0.93	0.3 (0.29)	0.30	0-0.73	0.94	0.31 (0.29)	0.31	0.01-0.74	0.94
Jun	0.11 (0.05)	0.11	0.01-0.21	0.50	0.13 (0.07)	0.13	0.03-0.28	0.49	0.14 (0.07)	0.14	0.03-0.28	0.54
Jul	0.2 (0.13)	0.20	0.01-0.46	0.64	0.21 (0.13)	0.21	0.02-0.46	0.63	0.21 (0.12)	0.22	0.04-0.44	0.55
Aug	0.01 (0.01)	0.01	0-0.05	1.80	0.01 (0.02)	0.01	0-0.04	1.70	0.01 (0.02)	0.01	0-0.06	1.62
Sep	0.04 (0.02)	0.04	0-0.08	0.57	0.04 (0.03)	0.04	0.01-0.11	0.63	0.04 (0.03)	0.04	0.01-0.1	0.69
Oct	0.25 (0.2)	0.24	0.04-0.7	0.82	0.35 (0.27)	0.35	0.05-0.94	0.77	0.43 (0.34)	0.42	0.06-1.09	0.80
Nov	0.05 (0.02)	0.05	0.01-0.09	0.49	0.04 (0.02)	0.04	0.01-0.09	0.46	0.06 (0.03)	0.06	0.01-0.11	0.52
Dec	0.04 (0.04)	0.04	0-0.13	0.94	0.05 (0.04)	0.05	0-0.13	0.92	0.04 (0.03)	0.04	0-0.11	0.79

Table 17. Monthly density (birds/km²) of guillemot (including unidentified auks apportioned using identified auk ratios) recorded in flight, 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.

Month	Density											
	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
Jan	0.12 (0.06)	0.12	0.03-0.25	0.48	0.09 (0.04)	0.09	0.02-0.17	0.46	0.09 (0.04)	0.10	0.03-0.18	0.41
Feb	0.09 (0.03)	0.09	0.04-0.15	0.31	0.08 (0.02)	0.08	0.04-0.13	0.28	0.1 (0.02)	0.10	0.06-0.15	0.21
Mar	0.12 (0.03)	0.12	0.06-0.19	0.27	0.11 (0.03)	0.11	0.06-0.17	0.24	0.1 (0.02)	0.10	0.06-0.15	0.23
Apr	0.09 (0.04)	0.09	0.02-0.16	0.44	0.13 (0.04)	0.13	0.06-0.21	0.31	0.13 (0.04)	0.13	0.07-0.21	0.29
May	0.33 (0.07)	0.32	0.19-0.47	0.22	0.31 (0.06)	0.31	0.21-0.43	0.19	0.32 (0.05)	0.32	0.21-0.42	0.17

Month	Density											
	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
Jun	0.11 (0.04)	0.11	0.04-0.18	0.37	0.13 (0.04)	0.13	0.06-0.23	0.32	0.14 (0.04)	0.14	0.07-0.22	0.27
Jul	0.21 (0.08)	0.21	0.07-0.38	0.38	0.22 (0.06)	0.22	0.11-0.35	0.29	0.22 (0.05)	0.22	0.13-0.33	0.24
Aug	0.01 (0.01)	0.01	0-0.02	0.67	0.01 (0)	0.01	0-0.02	0.55	0.01 (0)	0.01	0-0.02	0.43
Sep	0.05 (0.03)	0.05	0-0.1	0.55	0.05 (0.02)	0.05	0.01-0.1	0.44	0.05 (0.02)	0.05	0.01-0.09	0.41
Oct	0.27 (0.1)	0.26	0.1-0.47	0.37	0.37 (0.13)	0.37	0.15-0.65	0.35	0.45 (0.12)	0.44	0.23-0.71	0.28
Nov	0.05 (0.02)	0.05	0.01-0.1	0.43	0.05 (0.02)	0.05	0.02-0.1	0.40	0.06 (0.02)	0.06	0.03-0.1	0.30
Dec	0.06 (0.04)	0.06	0.01-0.14	0.60	0.06 (0.03)	0.06	0.02-0.12	0.43	0.05 (0.02)	0.05	0.02-0.1	0.40

1.17 Herring Gull

Table 18. Monthly density (birds/km²) of herring gull recorded in flight, 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.

Month	Density											
	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
Jan	0.01 (0.01)	0.01	0-0.04	0.93	0.01 (0.01)	0.01	0-0.03	0.94	0.01 (0.01)	0.01	0-0.03	0.64
Feb	0.01 (0.01)	0.01	0-0.05	1.84	0.01 (0.01)	0.01	0-0.03	1.80	0.01 (0.01)	0.01	0-0.03	1.22
Mar	0 (0)	0.00	0-0		0 (0.01)	0.00	0-0.03	1.68	0 (0.01)	0.00	0-0.02	1.64
Apr	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Oct	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Nov	0.01 (0.02)	0.01	0-0.05	1.41	0.01 (0.01)	0.01	0-0.03	1.36	0.01 (0.01)	0.01	0-0.04	1.26
Dec	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

1.18 Kittiwake

Table 19. Monthly density (birds/km²) of kittiwake recorded in flight, 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.

Month	Density											
	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
Jan	0.07 (0.03)	0.07	0.02-0.13	0.38	0.1 (0.03)	0.10	0.04-0.15	0.28	0.08 (0.02)	0.08	0.05-0.13	0.26
Feb	0.23 (0.15)	0.23	0.05-0.55	0.67	0.21 (0.13)	0.21	0.06-0.49	0.63	0.21 (0.13)	0.21	0.07-0.47	0.63
Mar	0.86 (0.29)	0.86	0.44-1.5	0.34	0.85 (0.2)	0.85	0.54-1.29	0.23	0.88 (0.24)	0.87	0.54-1.32	0.27
Apr	0.28 (0.16)	0.28	0.07-0.57	0.55	0.34 (0.2)	0.34	0.1-0.68	0.58	0.35 (0.19)	0.35	0.11-0.66	0.53
May	0.08 (0.05)	0.07	0-0.18	0.65	0.09 (0.05)	0.09	0-0.19	0.57	0.09 (0.04)	0.09	0.01-0.17	0.50
Jun	0.04 (0.02)	0.04	0-0.08	0.50	0.03 (0.01)	0.03	0.01-0.06	0.49	0.03 (0.01)	0.03	0.01-0.06	0.44
Jul	0.51 (0.63)	0.63	0.04-2.16	1.24	0.5 (0.58)	0.50	0.06-1.94	1.15	0.43 (0.47)	0.43	0.07-1.6	1.08
Aug	0.07 (0.1)	0.01	0-0.29	1.41	0.07 (0.1)	0.07	0-0.28	1.31	0.07 (0.09)	0.07	0-0.25	1.27
Sep	0.09 (0.12)	0.13	0-0.35	1.36	0.07 (0.09)	0.07	0-0.26	1.30	0.06 (0.06)	0.06	0-0.2	1.04
Oct	0.63 (0.18)	0.63	0.34-0.98	0.28	0.65 (0.1)	0.65	0.46-0.86	0.16	0.72 (0.1)	0.72	0.54-0.94	0.14
Nov	0.2 (0.09)	0.20	0.06-0.39	0.45	0.18 (0.07)	0.18	0.07-0.33	0.41	0.15 (0.05)	0.15	0.07-0.25	0.35
Dec	0.05 (0.02)	0.05	0.01-0.09	0.44	0.06 (0.03)	0.06	0.02-0.11	0.47	0.06 (0.02)	0.06	0.02-0.11	0.40

1.19 Large Auk sp.

Table 20. Monthly density (birds/km²) of large auk sp. recorded in flight, 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.

Month	Density											
	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
Jan	0.01 (0.01)	0.01	0-0.04	0.95	0.01 (0.01)	0.01	0-0.03	0.92	0.02 (0.01)	0.02	0-0.05	0.68
Feb	0.02 (0.02)	0.02	0-0.07	1.58	0.01 (0.02)	0.01	0-0.06	1.61	0.01 (0.01)	0.01	0-0.04	1.59
Mar	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr	0.01 (0.02)	0.01	0-0.07	1.59	0.01 (0.02)	0.01	0-0.06	1.39	0.01 (0.01)	0.01	0-0.04	1.34
May	0.01 (0.01)	0.01	0-0.04	1.61	0 (0.01)	0.00	0-0.03	1.70	0 (0.01)	0.00	0-0.02	1.63
Jun	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jul	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Aug	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Sep	0.01 (0.01)	0.01	0-0.04	1.35	0.01 (0.01)	0.01	0-0.03	1.32	0.01 (0.01)	0.01	0-0.03	1.23
Oct	0.02 (0.02)	0.02	0-0.07	1.06	0.01 (0.01)	0.01	0-0.05	1.03	0.01 (0.01)	0.01	0-0.05	0.98
Nov	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec	0.01 (0.02)	0.01	0-0.05	1.35	0.01 (0.01)	0.01	0-0.03	1.36	0.01 (0.01)	0.01	0-0.03	1.36

1.20 Little Auk

Table 21. Monthly density (birds/km²) of little auk recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Feb	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0.01	2.12
Mar	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Apr	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
May	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jun	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jul	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Aug	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Sep	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Oct	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Nov	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Dec	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	

1.21 Little Gull

Table 22. Monthly density (birds/km²) of little gull recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Feb	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Mar	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Apr	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
May	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jun	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Jul	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Aug	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Sep	0 (0.01)	0	0-0.04	2.28	0 (0.01)	0	0-0.02	2.14	0 (0)	0	0-0.01	2.15
Oct	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Nov	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	
Dec	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0	0-0	

1.22 Manx Shearwater

Table 23. Monthly density (birds/km²) of Manx shearwater recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
May	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Jun	0.01 (0.01)	0.01	0-0.04	1.66	0.01 (0.01)	0.01	0-0.03	1.34	0.01 (0.01)	0.01	0-0.03	1.40
Jul	0 (0.01)	0.00	0-0.02	2.16	0 (0.01)	0.00	0-0.02	2.15	0 (0.01)	0.00	0-0.03	1.74
Aug	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0.01	1.95
Sep	0 (0.01)	0.00	0-0.02	2.21	0 (0.01)	0.00	0-0.02	2.16	0.01 (0.01)	0.01	0-0.03	1.22
Oct	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0.01)	0.00	0-0.02	1.61
Nov	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

1.23 Puffin

Table 24. Monthly density (birds/km²) of puffin recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr	0.24 (0.23)	0.24	0-0.66	0.97	0.19 (0.19)	0.19	0-0.53	0.96	0.15 (0.15)	0.15	0-0.41	0.97
May	0.22 (0.23)	0.22	0-0.58	1.04	0.26 (0.26)	0.26	0-0.69	1.03	0.33 (0.35)	0.33	0-0.91	1.06
Jun	0.2 (0.18)	0.20	0-0.51	0.88	0.26 (0.19)	0.27	0.03-0.57	0.72	0.3 (0.19)	0.30	0.05-0.63	0.62
Jul	0.09 (0.08)	0.09	0-0.24	0.84	0.1 (0.07)	0.10	0-0.23	0.69	0.17 (0.14)	0.17	0-0.44	0.82
Aug	0.02 (0.03)	0.02	0-0.1	1.39	0.04 (0.04)	0.04	0-0.13	1.10	0.06 (0.08)	0.06	0-0.25	1.29
Sep	0.01 (0.01)	0.01	0-0.04	1.33	0.01 (0.01)	0.01	0-0.03	1.34	0.01 (0.01)	0.01	0-0.03	1.24
Oct	0.01 (0.01)	0.01	0-0.04	1.66	0 (0.01)	0.00	0-0.03	1.64	0 (0.01)	0.00	0-0.02	1.66
Nov	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

Table 25. Monthly density (birds/km²) of puffin (including unidentified auks apportioned using identified auk ratios) recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Feb	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Mar	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr	0.25 (0.07)	0.25	0.13-0.41	0.29	0.21 (0.06)	0.20	0.1-0.32	0.27	0.16 (0.04)	0.16	0.09-0.25	0.26
May	0.22 (0.04)	0.22	0.14-0.3	0.20	0.26 (0.05)	0.26	0.16-0.36	0.19	0.33 (0.07)	0.33	0.21-0.49	0.22
Jun	0.2 (0.05)	0.20	0.1-0.31	0.27	0.26 (0.06)	0.27	0.15-0.39	0.22	0.3 (0.07)	0.30	0.18-0.45	0.23

Month	Density											
	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	0.09 (0.03)	0.09	0.04-0.15	0.34	0.1 (0.03)	0.10	0.04-0.16	0.32	0.17 (0.07)	0.17	0.07-0.32	0.39
Aug	0.02 (0.01)	0.02	0-0.05	0.69	0.04 (0.02)	0.04	0-0.08	0.58	0.06 (0.03)	0.06	0.02-0.12	0.43
Sep	0.01 (0.01)	0.01	0-0.02	0.92	0.01 (0.01)	0.01	0-0.02	0.93	0.01 (0.01)	0.01	0-0.02	0.74
Oct	0.01 (0.01)	0.01	0-0.02	0.94	0 (0)	0.00	0-0.01	0.93	0 (0)	0.00	0-0.01	0.94
Nov	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Dec	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

1.24 Razorbill

Table 26. Monthly density (birds/km²) of razorbill recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Feb	0 (0)	0.00	0-0		0 (0.01)	0	0-0.02	2.16	0 (0)	0.00	0-0.01	2.09
Mar	0 (0)	0.00	0-0		0 (0.01)	0	0-0.03	1.71	0.01 (0.01)	0.01	0-0.02	0.81
Apr	0.01 (0.01)	0.01	0-0.04	1.66	0 (0.01)	0	0-0.03	1.64	0 (0.01)	0.00	0-0.02	1.69
May	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jun	0.01 (0.01)	0.01	0-0.04	1.62	0 (0.01)	0	0-0.03	1.70	0 (0.01)	0.00	0-0.02	1.64
Jul	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Aug	0 (0.01)	0.00	0-0.02	2.01	0 (0.01)	0	0-0.02	2.13	0 (0)	0.00	0-0.01	2.08
Sep	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Oct	0 (0)	0.00	0-0		0 (0.01)	0	0-0.03	1.63	0 (0.01)	0.00	0-0.02	1.67
Nov	0.01 (0.01)	0.01	0-0.04	1.67	0 (0.01)	0	0-0.03	1.65	0 (0.01)	0.00	0-0.02	1.64
Dec	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	

Table 27. Monthly density (birds/km²) of razorbill (including unidentified auks apportioned using identified auk ratios) recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Feb	0 (0)	0.00	0-0		0 (0)	0	0-0.01	0.91	0 (0)	0.00	0-0.01	0.90
Mar	0 (0)	0.00	0-0		0 (0)	0	0-0.01	0.97	0.01 (0.01)	0.01	0-0.02	0.81
Apr	0.01 (0.01)	0.01	0-0.02	0.92	0 (0)	0	0-0.01	0.91	0 (0)	0.00	0-0.01	0.94
May	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	

Month	Density											
	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
Jun	0.01 (0.01)	0.01	0-0.02	0.91	0 (0)	0	0-0.01	0.97	0 (0)	0.00	0-0.01	0.93
Jul	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Aug	0 (0)	0.00	0-0.01	0.87	0 (0)	0	0-0.01	0.92	0 (0)	0.00	0-0.01	0.90
Sep	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Oct	0 (0)	0.00	0-0		0 (0)	0	0-0.01	0.92	0 (0)	0.00	0-0.01	0.94
Nov	0.01 (0.01)	0.01	0-0.02	0.94	0 (0)	0	0-0.01	0.91	0 (0)	0.00	0-0.01	0.93
Dec	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	

1.25 Shag

Table 28. Monthly density (birds/km²) of shag recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Feb	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Mar	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Apr	0 (0)	0	0-0		0 (0.01)	0	0-0.03	1.67	0.01 (0.01)	0.01	0-0.03	1.36
May	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jun	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Jul	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Aug	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Sep	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Oct	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Nov	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	
Dec	0 (0)	0	0-0		0 (0)	0	0-0		0 (0)	0.00	0-0	

1.26 Sooty Shearwater

Table 29. Monthly density (birds/km²) of sooty shearwater recorded in flight, 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.

Month	Density											
	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
Jan	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0	0-0	
Feb	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0	0-0	
Mar	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0	0-0	
Apr	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0	0-0	
May	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0	0-0	
Jun	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0	0-0	
Jul	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0	0-0	
Aug	0 (0.01)	0	0-0.02	2.16	0.01 (0.01)	0.01	0-0.03	1.85	0 (0.01)	0	0-0.03	1.85
Sep	0 (0)	0	0-0		0 (0.01)	0.00	0-0.02	2.05	0 (0)	0	0-0.01	2.08
Oct	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0	0-0	
Nov	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0	0-0	
Dec	0 (0)	0	0-0		0 (0)	0.00	0-0		0 (0)	0	0-0	