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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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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	