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# West of Orkney Windfarm

## Offshore Ornithology Supplementary Environmental Information

### Annex 1K: Design-based analysis mean density estimates from each calendar month of all birds (sitting and flying)

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**1.1 Arctic Skua**

**Table 1. Monthly density (birds/km<sup>2</sup>) of Arctic skua recorded in flight and on the sea, 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	1.65	0 (0.01)	0.00	0-0.03	1.63	0 (0.01)	0.00	0-0.02	1.63
Jul	0 (0.01)	0.00	0-0.02	2.18	0.01 (0.02)	0.01	0-0.06	1.70	0.01 (0.01)	0.01	0-0.05	1.61
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 (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	

**1.2 Arctic Tern**

**Table 2. Monthly density (birds/km<sup>2</sup>) of Arctic tern recorded in flight and on the sea, 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	1.69	0 (0.01)	0.00	0-0.03	1.67	0 (0.01)	0.00	0-0.02	1.65
Jun	0.14 (0.18)	0.14	0-0.58	1.35	0.1 (0.14)	0.10	0-0.42	1.37	0.08 (0.1)	0.08	0-0.33	1.35
Jul	0.01 (0.01)	0.01	0-0.05	1.78	0.02 (0.03)	0.02	0-0.11	1.76	0.01 (0.03)	0.01	0-0.09	1.88
Aug	0.04 (0.07)	0.04	0-0.23	2.03	0.03 (0.05)	0.03	0-0.17	1.46	0.03 (0.04)	0.03	0-0.16	1.40
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/km<sup>2</sup>) of auk sp. recorded in flight and on the sea, 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 (0.04)	0.12	0.05-0.2	0.35	0.14 (0.04)	0.14	0.07-0.22	0.26	0.11 (0.03)	0.11	0.05-0.16	0.26
Feb	0.02 (0.02)	0.02	0-0.06	0.77	0.01 (0.01)	0.01	0-0.04	0.78	0.02 (0.01)	0.02	0-0.05	0.80
Mar	0.02 (0.03)	0.02	0-0.09	1.29	0.03 (0.02)	0.03	0-0.08	0.92	0.02 (0.02)	0.02	0-0.07	0.90
Apr	0.2 (0.12)	0.20	0.05-0.41	0.59	0.19 (0.12)	0.19	0.03-0.4	0.63	0.2 (0.14)	0.20	0.03-0.42	0.73
May	0.04 (0.04)	0.04	0-0.13	0.96	0.06 (0.06)	0.06	0-0.16	0.98	0.07 (0.07)	0.07	0-0.19	0.89
Jun	0.06 (0.06)	0.06	0-0.19	0.98	0.06 (0.05)	0.06	0-0.16	0.97	0.07 (0.06)	0.07	0-0.19	0.88
Jul	0.27 (0.19)	0.26	0-0.57	0.70	0.28 (0.18)	0.28	0.03-0.56	0.63	0.3 (0.2)	0.30	0.02-0.62	0.65
Aug	0.12 (0.1)	0.12	0.01-0.33	0.80	0.14 (0.1)	0.14	0.02-0.33	0.71	0.14 (0.09)	0.14	0.02-0.29	0.62
Sep	0.13 (0.08)	0.13	0.01-0.27	0.62	0.13 (0.07)	0.13	0.01-0.25	0.59	0.12 (0.07)	0.12	0.01-0.23	0.57
Oct	0.06 (0.03)	0.07	0.01-0.13	0.47	0.08 (0.03)	0.08	0.03-0.14	0.33	0.07 (0.02)	0.07	0.03-0.12	0.30
Nov	0.08 (0.04)	0.08	0.01-0.17	0.47	0.09 (0.03)	0.09	0.03-0.16	0.39	0.07 (0.02)	0.07	0.03-0.12	0.35
Dec	0.05 (0.04)	0.05	0-0.14	0.92	0.05 (0.04)	0.05	0-0.13	0.92	0.04 (0.04)	0.04	0-0.11	0.92

## 1.4 Black-headed Gull

**Table 4. Monthly density (birds/km<sup>2</sup>) of black-headed gull recorded in flight and on the sea, 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	1.68	0 (0.01)	0	0-0.03	1.7	0 (0.01)	0	0-0.02	1.61
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/km<sup>2</sup>) of black guillemot recorded in flight and on the sea, 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 (0.01)	0.00	0-0.02	2.13	0 (0.01)	0	0-0.02	2.08	0 (0)	0	0-0.01	2.16
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	1.66	0 (0.01)	0	0-0.03	1.65	0 (0.01)	0	0-0.02	1.67
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/km<sup>2</sup>) of common gull recorded in flight and on the sea, 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	1.61	0 (0.01)	0	0-0.02	1.68
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/km<sup>2</sup>) of common tern recorded in flight and on the sea, 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	2.03	0 (0.01)	0	0-0.02	1.68
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/km<sup>2</sup>) of Cory's shearwater recorded in flight and on the sea, 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	0-0.02	2.15	0 (0.01)	0	0-0.02	2.13	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/km<sup>2</sup>) of European storm-petrel recorded in flight and on the sea, 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 (0.16)	0.10	0-0.48	1.57	0.08 (0.13)	0.08	0-0.38	1.52	0.08 (0.12)	0.08	0-0.35	1.45
Sep	0.02 (0.03)	0.02	0-0.08	1.61	0.01 (0.02)	0.01	0-0.07	1.59	0.04 (0.05)	0.04	0-0.15	1.43
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/km<sup>2</sup>) of fulmar recorded in flight and on the sea, 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	1.91 (0.34)	1.90	1.33-2.62	0.18	2.15 (0.34)	2.16	1.56-2.85	0.16	2.42 (0.28)	2.42	1.92-2.99	0.11
Feb	0.99 (0.57)	0.99	0.17-1.97	0.57	1.09 (0.61)	1.10	0.26-2.19	0.56	1.17 (0.62)	1.17	0.29-2.14	0.53
Mar	1.81 (0.67)	1.82	0.76-2.89	0.37	1.88 (0.69)	1.88	0.85-2.92	0.37	1.82 (0.66)	1.82	0.88-2.77	0.36
Apr	0.57 (0.25)	0.57	0.11-1.04	0.44	0.5 (0.19)	0.50	0.14-0.84	0.39	0.49 (0.16)	0.49	0.18-0.74	0.32
May	0.13 (0.07)	0.13	0.02-0.26	0.53	0.26 (0.06)	0.25	0.15-0.4	0.24	0.23 (0.05)	0.23	0.12-0.33	0.23
Jun	0.09 (0.1)	0.09	0-0.27	1.06	0.1 (0.1)	0.10	0-0.25	1.04	0.09 (0.09)	0.09	0-0.23	1.03
Jul	0.52 (0.24)	0.52	0.18-0.98	0.46	0.54 (0.29)	0.55	0.17-1.11	0.54	0.66 (0.4)	0.65	0.24-1.44	0.61
Aug	1.42 (1)	1.42	0.4-4.12	0.71	1.24 (0.73)	1.23	0.41-3.11	0.59	1.17 (0.59)	1.17	0.47-2.55	0.50
Sep	2.39 (1.87)	2.42	0.7-7.62	0.78	2.14 (1.41)	2.14	0.69-5.89	0.66	1.91 (1.08)	1.90	0.77-4.79	0.57
Oct	1.97 (0.79)	1.96	0.61-3.92	0.40	1.93 (0.54)	1.92	0.81-3.07	0.28	2.56 (0.85)	2.55	1.15-4.3	0.33
Nov	0.96 (0.54)	0.97	0.4-2.22	0.57	0.91 (0.39)	0.91	0.48-1.8	0.43	1.7 (0.46)	1.70	0.88-2.68	0.27
Dec	2.49 (0.56)	2.48	1.48-3.67	0.23	3.1 (1.14)	3.10	1.66-5.76	0.37	2.97 (1.18)	2.97	1.51-5.59	0.40



**1.11 Gannet**

**Table 11. Monthly density (birds/km<sup>2</sup>) of gannet recorded in flight and on the sea, 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)	0.03	0-0.08	0.62	0.03 (0.02)	0.03	0.01-0.08	0.51	0.03 (0.01)	0.03	0.01-0.05	0.52
Feb	0.07 (0.05)	0.08	0-0.17	0.63	0.07 (0.04)	0.07	0-0.13	0.55	0.08 (0.03)	0.08	0.03-0.13	0.32
Mar	0.13 (0.1)	0.13	0.01-0.32	0.79	0.14 (0.09)	0.14	0.03-0.29	0.62	0.14 (0.07)	0.14	0.05-0.27	0.49
Apr	0.68 (0.3)	0.68	0.26-1.24	0.45	0.68 (0.25)	0.68	0.32-1.12	0.38	0.64 (0.21)	0.64	0.34-1	0.33
May	0.38 (0.18)	0.38	0.15-0.76	0.46	0.42 (0.16)	0.42	0.2-0.75	0.38	0.47 (0.12)	0.47	0.26-0.71	0.25
Jun	0.4 (0.18)	0.40	0.18-0.79	0.44	0.38 (0.14)	0.38	0.18-0.67	0.36	0.35 (0.12)	0.35	0.19-0.59	0.33
Jul	0.48 (0.2)	0.48	0.18-0.94	0.41	0.45 (0.15)	0.44	0.2-0.77	0.33	0.56 (0.32)	0.57	0.27-1.5	0.57
Aug	1.3 (1.66)	1.30	0.14-6.07	1.28	1.07 (1.21)	1.08	0.17-4.38	1.13	1.06 (0.94)	1.08	0.23-3.52	0.88
Sep	1.03 (0.44)	1.02	0.39-1.83	0.43	1.01 (0.36)	1.01	0.48-1.69	0.36	1.11 (0.3)	1.11	0.6-1.63	0.27
Oct	1.43 (0.36)	1.43	0.84-2.11	0.25	1.31 (0.36)	1.31	0.74-1.93	0.28	1.21 (0.31)	1.22	0.74-1.74	0.26
Nov	0.02 (0.01)	0.02	0-0.05	0.82	0.04 (0.02)	0.04	0-0.09	0.58	0.04 (0.02)	0.04	0.01-0.08	0.51
Dec	0.05 (0.04)	0.05	0-0.14	0.91	0.05 (0.04)	0.05	0-0.12	0.77	0.04 (0.03)	0.04	0.01-0.1	0.67

**1.12 Great Black-backed Gull**

**Table 12. Monthly density (birds/km<sup>2</sup>) of great black-backed gull recorded in flight and on the sea, 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	0.09 (0.03)	0.09	0.04-0.17	0.34	0.07 (0.03)	0.07	0.03-0.12	0.36	0.07 (0.02)	0.07	0.04-0.12	0.27
Feb	0.11 (0.07)	0.11	0.02-0.28	0.67	0.13 (0.09)	0.13	0.02-0.32	0.68	0.15 (0.08)	0.15	0.05-0.38	0.57
Mar	0.02 (0.01)	0.02	0-0.05	0.81	0.03 (0.01)	0.03	0-0.05	0.52	0.03 (0.01)	0.03	0.01-0.06	0.42
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	1.66	0.01 (0.01)	0.01	0-0.05	1.58	0.01 (0.01)	0.01	0-0.04	1.61
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	1.71	0.01 (0.01)	0.01	0-0.03	1.36	0.01 (0.02)	0.01	0-0.06	1.40
Nov	0.18 (0.05)	0.18	0.08-0.28	0.29	0.18 (0.06)	0.18	0.08-0.3	0.34	0.16 (0.06)	0.16	0.06-0.27	0.39
Dec	0.21 (0.2)	0.21	0-0.55	0.94	0.25 (0.19)	0.25	0.03-0.54	0.75	0.24 (0.17)	0.24	0.04-0.5	0.71

**1.13 Great Northern Diver**

**Table 13. Monthly density (birds/km<sup>2</sup>) of Great northern diver recorded in flight and on the sea, 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	0.92	0.01 (0.01)	0.01	0-0.03	0.88	0.01 (0.01)	0.01	0-0.02	0.91
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	0.01 (0.01)	0.01	0-0.04	1.60	0 (0.01)	0.00	0-0.03	1.62	0 (0.01)	0.00	0-0.02	1.62
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	

**1.14 Great Shearwater**

**Table 14. Monthly density (birds/km<sup>2</sup>) of great shearwater recorded in flight and on the sea, 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	2.08
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/km<sup>2</sup>) of great skua recorded in flight and on the sea, 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	0.04 (0.04)	0.04	0-0.12	0.87	0.03 (0.03)	0.03	0-0.1	0.88	0.03 (0.03)	0.03	0-0.09	0.88
May	0.01 (0.01)	0.01	0-0.04	1.62	0.01 (0.01)	0.01	0-0.03	0.82	0.02 (0.01)	0.02	0-0.04	0.57
Jun	0.02 (0.03)	0.02	0-0.08	1.21	0.02 (0.02)	0.02	0-0.06	1.20	0.02 (0.02)	0.02	0-0.07	1.14
Jul	0.01 (0.01)	0.01	0-0.05	1.19	0.02 (0.02)	0.02	0-0.05	0.69	0.02 (0.01)	0.02	0.01-0.05	0.49
Aug	0.17 (0.28)	0.17	0-0.95	1.63	0.13 (0.21)	0.13	0-0.7	1.63	0.1 (0.17)	0.10	0-0.56	1.68
Sep	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0.01	1.89
Oct	0.01 (0.01)	0.01	0-0.04	1.61	0 (0.01)	0.00	0-0.03	1.59	0 (0.01)	0.00	0-0.02	1.73
Nov	0.01 (0.01)	0.01	0-0.02	1.50	0 (0.01)	0.00	0-0.03	1.60	0 (0.01)	0.00	0-0.02	1.63
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/km<sup>2</sup>) of guillemot recorded in flight and on the sea, 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	0.93 (0.15)	0.92	0.64-1.22	0.16	1.16 (0.14)	1.16	0.9-1.45	0.12	1.19 (0.13)	1.18	0.94-1.43	0.11
Feb	0.98 (1.1)	1.00	0.06-3.45	1.12	0.92 (0.89)	0.91	0.11-2.76	0.97	0.94 (0.85)	0.93	0.19-2.67	0.91
Mar	1.19 (1)	1.18	0.09-2.61	0.84	1.27 (1.02)	1.27	0.18-2.66	0.80	1.44 (1.18)	1.44	0.21-3.13	0.82
Apr	3.29 (1.92)	3.31	1.13-6.24	0.58	3.48 (2.05)	3.45	1.21-6.37	0.59	3.79 (2.28)	3.79	1.31-6.76	0.60
May	0.96 (0.71)	0.96	0.15-2.07	0.73	1.02 (0.7)	1.01	0.18-2.1	0.69	1.38 (0.91)	1.39	0.29-2.81	0.66
Jun	1.68 (0.89)	1.68	0.57-3.5	0.53	1.49 (0.71)	1.48	0.56-2.95	0.48	1.44 (0.58)	1.45	0.7-2.58	0.41
Jul	3.54 (2.36)	3.55	0.76-8	0.67	3.99 (2.67)	3.98	0.96-8.99	0.67	3.71 (2.23)	3.71	1.19-7.82	0.60
Aug	2.12 (0.98)	2.11	0.68-3.98	0.46	2.49 (1.15)	2.50	0.86-4.58	0.46	2.96 (1.55)	2.95	0.96-5.72	0.52
Sep	3.35 (0.54)	3.37	2.23-4.34	0.16	3.5 (0.45)	3.49	2.56-4.35	0.13	3.68 (0.39)	3.70	3.01-4.6	0.11
Oct	2.68 (0.43)	2.67	1.96-3.64	0.16	3.08 (0.52)	3.09	2.25-4.17	0.17	3.08 (0.35)	3.09	2.49-3.81	0.11
Nov	0.63 (0.34)	0.62	0.22-1.19	0.54	0.65 (0.24)	0.65	0.32-1.06	0.37	0.69 (0.27)	0.69	0.34-1.12	0.40
Dec	0.77 (0.32)	0.78	0.34-1.3	0.41	0.98 (0.33)	0.99	0.52-1.54	0.33	1.07 (0.35)	1.07	0.61-1.63	0.32

**Table 17. Monthly density (birds/km<sup>2</sup>) of guillemot (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, 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	1.09 (0.18)	1.08	0.74-1.42	0.16	1.33 (0.16)	1.33	1.04-1.66	0.12	1.37 (0.14)	1.35	1.08-1.64	0.11
Feb	1.05 (0.26)	1.06	0.62-1.62	0.25	0.98 (0.2)	0.97	0.65-1.4	0.20	1.01 (0.17)	1.00	0.73-1.37	0.17
Mar	1.29 (0.18)	1.28	0.95-1.66	0.14	1.37 (0.16)	1.37	1.08-1.7	0.11	1.54 (0.19)	1.54	1.18-1.94	0.13
Apr	3.53 (0.45)	3.54	2.67-4.5	0.13	3.7 (0.36)	3.68	3.05-4.44	0.10	4.03 (0.3)	4.02	3.45-4.61	0.07
May	0.99 (0.17)	0.99	0.68-1.37	0.17	1.04 (0.18)	1.04	0.73-1.42	0.17	1.43 (0.25)	1.43	0.97-1.95	0.18

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	1.72 (0.44)	1.72	0.99-2.64	0.25	1.51 (0.34)	1.50	0.91-2.22	0.23	1.46 (0.27)	1.48	1-2.06	0.18
Jul	3.74 (0.64)	3.75	2.57-5.08	0.17	4.2 (0.62)	4.19	3.06-5.41	0.15	3.93 (0.45)	3.93	3.05-4.81	0.12
Aug	2.21 (0.37)	2.20	1.53-2.97	0.17	2.58 (0.37)	2.59	1.86-3.35	0.14	3.05 (0.33)	3.04	2.39-3.69	0.11
Sep	3.51 (0.46)	3.52	2.65-4.49	0.13	3.66 (0.4)	3.65	2.9-4.47	0.11	3.84 (0.37)	3.85	3.15-4.55	0.10
Oct	2.84 (0.4)	2.84	2.08-3.63	0.14	3.27 (0.38)	3.28	2.59-4.04	0.12	3.26 (0.3)	3.27	2.73-3.91	0.09
Nov	0.75 (0.13)	0.75	0.51-1	0.17	0.78 (0.11)	0.79	0.57-1	0.14	0.8 (0.09)	0.80	0.64-0.99	0.11
Dec	0.9 (0.14)	0.91	0.65-1.18	0.15	1.14 (0.14)	1.14	0.87-1.42	0.13	1.21 (0.12)	1.21	0.99-1.44	0.10

**Table 18. Monthly density (birds/km<sup>2</sup>) of guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, 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	1.38 (0.23)	1.37	0.94-1.8	0.16	1.72 (0.21)	1.72	1.34-2.15	0.12	1.77 (0.19)	1.75	1.4-2.12	0.11
Feb	1.35 (0.34)	1.37	0.8-2.09	0.25	1.27 (0.25)	1.26	0.84-1.81	0.20	1.29 (0.22)	1.29	0.93-1.76	0.17
Mar	1.65 (0.23)	1.65	1.22-2.13	0.14	1.76 (0.2)	1.76	1.39-2.18	0.11	1.99 (0.25)	1.98	1.52-2.5	0.13
Apr	4.6 (0.59)	4.63	3.49-5.87	0.13	4.82 (0.47)	4.78	3.97-5.78	0.10	5.24 (0.39)	5.24	4.49-6	0.07
May	1.2 (0.21)	1.20	0.81-1.65	0.18	1.27 (0.22)	1.27	0.89-1.73	0.17	1.77 (0.31)	1.78	1.2-2.42	0.18
Jun	2.22 (0.56)	2.22	1.28-3.41	0.25	1.94 (0.44)	1.93	1.17-2.84	0.23	1.87 (0.35)	1.90	1.28-2.64	0.18
Jul	4.84 (0.83)	4.85	3.33-6.57	0.17	5.44 (0.8)	5.42	3.96-7	0.15	5.08 (0.59)	5.08	3.95-6.21	0.12
Aug	2.89 (0.48)	2.87	2-3.89	0.17	3.38 (0.48)	3.39	2.43-4.38	0.14	4 (0.43)	3.98	3.13-4.84	0.11
Sep	4.59 (0.61)	4.61	3.46-5.86	0.13	4.78 (0.53)	4.77	3.78-5.85	0.11	5.01 (0.48)	5.03	4.12-5.95	0.10
Oct	3.64 (0.52)	3.63	2.67-4.65	0.14	4.17 (0.49)	4.18	3.3-5.15	0.12	4.14 (0.38)	4.14	3.46-4.95	0.09
Nov	0.96 (0.16)	0.96	0.65-1.28	0.17	1.01 (0.14)	1.02	0.74-1.3	0.14	1.03 (0.12)	1.03	0.82-1.27	0.11
Dec	1.17 (0.17)	1.17	0.84-1.53	0.15	1.48 (0.19)	1.48	1.13-1.85	0.13	1.56 (0.15)	1.56	1.29-1.87	0.10

**1.17 Herring Gull**

**Table 19. Monthly density (birds/km<sup>2</sup>) of herring gull recorded in flight and on the sea, 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	0.91	0.01 (0.01)	0.01	0-0.03	0.96	0.01 (0.01)	0.01	0-0.03	0.64
Feb	0.01 (0.01)	0.01	0-0.05	1.83	0.01 (0.01)	0.01	0-0.03	1.83	0.01 (0.01)	0.01	0-0.03	1.22
Mar	0.01 (0.01)	0.01	0-0.04	1.62	0.01 (0.01)	0.01	0-0.03	0.92	0.01 (0.01)	0.01	0-0.02	0.92
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		0.01 (0.01)	0.01	0-0.05	1.58	0.01 (0.01)	0.01	0-0.04	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 (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	0.02 (0.02)	0.02	0-0.07	0.83	0.02 (0.01)	0.02	0-0.05	0.82	0.02 (0.01)	0.02	0-0.05	0.84
Dec	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	



**1.18 Kittiwake**

**Table 20. Monthly density (birds/km<sup>2</sup>) of kittiwake recorded in flight and on the sea, 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	0.02-0.12	0.35	0.1 (0.03)	0.10	0.05-0.16	0.27	0.1 (0.02)	0.10	0.05-0.15	0.23
Feb	0.3 (0.18)	0.29	0.05-0.61	0.60	0.27 (0.15)	0.26	0.06-0.55	0.57	0.25 (0.15)	0.26	0.07-0.55	0.58
Mar	1.41 (0.33)	1.40	0.81-2.1	0.24	1.36 (0.23)	1.37	0.94-1.86	0.17	1.46 (0.2)	1.46	1.11-1.91	0.14
Apr	0.3 (0.18)	0.30	0.07-0.61	0.58	0.36 (0.22)	0.36	0.1-0.71	0.61	0.36 (0.2)	0.36	0.12-0.68	0.54
May	0.08 (0.05)	0.08	0-0.18	0.65	0.09 (0.05)	0.09	0-0.19	0.54	0.09 (0.05)	0.09	0.01-0.17	0.50
Jun	0.16 (0.11)	0.16	0.02-0.45	0.68	0.12 (0.08)	0.12	0.02-0.33	0.69	0.11 (0.07)	0.11	0.02-0.29	0.65
Jul	0.84 (1.07)	0.85	0.05-3.53	1.27	0.77 (0.9)	0.76	0.07-2.94	1.16	0.67 (0.75)	0.66	0.07-2.44	1.13
Aug	0.1 (0.13)	0.10	0-0.38	1.32	0.09 (0.12)	0.09	0-0.34	1.27	0.11 (0.12)	0.11	0-0.33	1.16
Sep	0.09 (0.11)	0.09	0-0.37	1.26	0.07 (0.08)	0.07	0-0.26	1.08	0.06 (0.06)	0.06	0-0.2	0.93
Oct	0.89 (0.24)	0.89	0.51-1.45	0.27	0.89 (0.28)	0.89	0.5-1.47	0.31	0.98 (0.32)	0.99	0.56-1.67	0.33
Nov	0.21 (0.1)	0.21	0.07-0.41	0.48	0.19 (0.08)	0.19	0.06-0.35	0.44	0.15 (0.06)	0.16	0.07-0.27	0.39
Dec	0.08 (0.05)	0.08	0.01-0.19	0.61	0.08 (0.05)	0.08	0.02-0.18	0.60	0.08 (0.04)	0.08	0.02-0.16	0.52

**1.19 Large Auk sp.**

**Table 21. Monthly density (birds/km<sup>2</sup>) of large auk sp. recorded in flight and on the sea, 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	0-0.07	0.54	0.03 (0.02)	0.03	0.01-0.07	0.45	0.07 (0.02)	0.07	0.03-0.11	0.33
Feb	0.05 (0.05)	0.05	0-0.15	0.94	0.06 (0.04)	0.06	0-0.14	0.73	0.06 (0.02)	0.06	0.01-0.11	0.43
Mar	0.09 (0.04)	0.09	0.02-0.18	0.45	0.09 (0.03)	0.09	0.03-0.16	0.40	0.09 (0.03)	0.09	0.04-0.15	0.32
Apr	0.08 (0.08)	0.08	0-0.24	0.95	0.08 (0.07)	0.08	0-0.21	0.85	0.08 (0.06)	0.08	0-0.19	0.81
May	0.01 (0.02)	0.01	0-0.07	1.68	0.01 (0.01)	0.01	0-0.05	1.67	0.02 (0.02)	0.02	0-0.08	1.02
Jun	0.02 (0.02)	0.02	0-0.07	1.07	0.01 (0.01)	0.01	0-0.05	1.02	0.01 (0.01)	0.01	0-0.04	1.02
Jul	0.02 (0.04)	0.02	0-0.13	1.69	0.04 (0.05)	0.04	0-0.16	1.55	0.04 (0.06)	0.04	0-0.18	1.41
Aug	0.02 (0.02)	0.02	0-0.07	1.10	0.02 (0.02)	0.02	0-0.05	0.86	0.02 (0.02)	0.02	0-0.06	0.62
Sep	0.07 (0.06)	0.07	0-0.22	0.80	0.07 (0.04)	0.07	0.01-0.18	0.60	0.07 (0.04)	0.07	0.02-0.15	0.53
Oct	0.1 (0.04)	0.10	0.04-0.19	0.44	0.11 (0.03)	0.11	0.05-0.18	0.29	0.11 (0.04)	0.11	0.04-0.19	0.36
Nov	0.04 (0.03)	0.04	0-0.11	0.66	0.05 (0.02)	0.05	0.01-0.1	0.48	0.04 (0.02)	0.04	0.01-0.08	0.43
Dec	0.08 (0.06)	0.08	0-0.21	0.71	0.11 (0.05)	0.11	0.03-0.23	0.49	0.1 (0.04)	0.10	0.03-0.19	0.43

**1.20 Lesser Black-backed Gull**

**Table 22. Monthly density (birds/km<sup>2</sup>) of lesser black-backed gull recorded in flight and on the sea, 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	0-0.02	2.09	0 (0.01)	0	0-0.02	2.15	0 (0.01)	0	0-0.03	1.86
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 Auk**

**Table 23. Monthly density (birds/km<sup>2</sup>) of little auk recorded in flight and on the sea, 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 (0.01)	0.00	0-0.04	2.20	0.01 (0.01)	0.01	0-0.03	1.33	0.01 (0.01)	0.01	0-0.03	1.21
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 (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 (0.01)	0.01	0-0.04	1.65	0.01 (0.02)	0.01	0-0.05	1.24	0.02 (0.02)	0.02	0-0.05	1.14
Dec	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	

1.22 Little Gull

Table 24. Monthly density (birds/km<sup>2</sup>) of little gull recorded in flight and on the sea, 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	0-0.02	2.09	0 (0.01)	0	0-0.03	2.21	0 (0)	0	0-0.01	2.14
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	

**1.23 Manx Shearwater**

**Table 25. Monthly density (birds/km<sup>2</sup>) of Manx shearwater recorded in flight and on the sea, 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	1.69	0.01 (0.01)	0.01	0-0.03	1.37	0.01 (0.01)	0.01	0-0.03	1.37
Jul	0 (0.01)	0.00	0-0.02	2.14	0 (0.01)	0.00	0-0.02	2.10	0.01 (0.01)	0.01	0-0.03	1.68
Aug	0 (0.01)	0.00	0-0.02	1.97	0 (0.01)	0.00	0-0.02	2.00	0.01 (0.01)	0.01	0-0.03	1.18
Sep	0 (0.01)	0.00	0-0.02	2.14	0 (0.01)	0.00	0-0.02	2.16	0.01 (0.01)	0.01	0-0.03	1.24
Oct	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0.01)	0.00	0-0.02	1.65
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 Puffin**

**Table 26. Monthly density (birds/km<sup>2</sup>) of puffin recorded in flight and on the sea, 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		0.01 (0.01)	0.01	0-0.03	0.94	0.01 (0.01)	0.01	0-0.02	0.96
Feb	0 (0.01)	0.00	0-0.02	2.10	0 (0.01)	0.00	0-0.02	2.09	0 (0)	0.00	0-0.01	2.09
Mar	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr	1.37 (0.22)	1.38	0.96-1.83	0.16	1.29 (0.17)	1.28	0.95-1.62	0.14	1.17 (0.12)	1.17	0.94-1.4	0.10
May	2.02 (1.92)	2.01	0.08-5.06	0.95	2.36 (2.18)	2.36	0.14-5.5	0.92	2.73 (2.42)	2.74	0.22-5.97	0.89
Jun	5.49 (1.1)	5.48	3.62-7.95	0.20	5.06 (0.82)	5.08	3.71-7.01	0.16	5.03 (0.7)	5.03	3.81-6.61	0.14
Jul	2.41 (1.42)	2.39	0.88-5.17	0.59	2.74 (1.49)	2.74	1.14-5.61	0.54	3.13 (1.3)	3.12	1.44-5.68	0.42
Aug	1.85 (0.76)	1.83	0.85-3.54	0.41	2.5 (1.32)	2.49	1.16-5.45	0.53	2.84 (1.31)	2.82	1.51-5.65	0.46
Sep	1.2 (1.15)	1.20	0.09-3.36	0.95	1.1 (1.06)	1.10	0.1-2.98	0.96	1.05 (0.98)	1.05	0.13-2.73	0.93
Oct	0.18 (0.08)	0.18	0.06-0.33	0.43	0.16 (0.06)	0.16	0.07-0.29	0.38	0.14 (0.05)	0.14	0.07-0.24	0.33
Nov	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0.01)	0.00	0-0.02	1.66
Dec	0.01 (0.01)	0.01	0-0.04	1.67	0 (0.01)	0.00	0-0.03	1.65	0.01 (0.01)	0.01	0-0.03	1.33

**Table 27. Monthly density (birds/km<sup>2</sup>) of puffin (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, 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		0.01 (0.01)	0.01	0-0.03	0.94	0.01 (0.01)	0.01	0-0.02	0.96
Feb	0 (0)	0.00	0-0.01	0.91	0 (0)	0.00	0-0.01	0.89	0 (0)	0.00	0-0.01	0.88
Mar	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr	1.43 (0.21)	1.43	1.05-1.86	0.15	1.33 (0.16)	1.32	1.02-1.64	0.12	1.21 (0.12)	1.21	0.97-1.45	0.10
May	2.05 (0.38)	2.04	1.39-2.85	0.18	2.4 (0.33)	2.40	1.77-3.07	0.14	2.78 (0.3)	2.79	2.26-3.39	0.11

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	5.54 (1.05)	5.53	3.65-7.75	0.19	5.1 (0.77)	5.12	3.73-6.77	0.15	5.09 (0.66)	5.09	3.92-6.44	0.13
Jul	2.5 (0.36)	2.48	1.79-3.23	0.14	2.84 (0.36)	2.84	2.19-3.58	0.13	3.26 (0.5)	3.25	2.39-4.32	0.15
Aug	1.9 (0.35)	1.88	1.25-2.61	0.18	2.56 (0.42)	2.55	1.77-3.39	0.16	2.91 (0.42)	2.89	2.12-3.77	0.15
Sep	1.24 (0.2)	1.24	0.87-1.64	0.16	1.13 (0.15)	1.13	0.86-1.44	0.13	1.08 (0.12)	1.08	0.87-1.33	0.11
Oct	0.18 (0.05)	0.18	0.09-0.27	0.27	0.16 (0.04)	0.17	0.1-0.24	0.23	0.15 (0.03)	0.15	0.09-0.21	0.21
Nov	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0.01	0.93
Dec	0.01 (0.01)	0.01	0-0.02	0.94	0 (0)	0.00	0-0.01	0.94	0.01 (0)	0.01	0-0.02	0.60

**Table 28. Monthly density (birds/km<sup>2</sup>) of puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, 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		0.01 (0.01)	0.01	0-0.03	0.94	0.01 (0.01)	0.01	0-0.02	0.96
Feb	0 (0)	0.00	0-0.01	0.91	0 (0)	0.00	0-0.01	0.89	0 (0)	0.00	0-0.01	0.88
Mar	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr	1.62 (0.24)	1.63	1.2-2.11	0.15	1.52 (0.18)	1.51	1.16-1.87	0.12	1.38 (0.14)	1.38	1.11-1.66	0.10
May	2.35 (0.43)	2.34	1.6-3.27	0.18	2.75 (0.38)	2.75	2.03-3.52	0.14	3.19 (0.35)	3.20	2.59-3.89	0.11
Jun	6.41 (1.22)	6.40	4.23-8.98	0.19	5.9 (0.9)	5.93	4.31-7.83	0.15	5.87 (0.76)	5.87	4.53-7.44	0.13
Jul	2.9 (0.42)	2.87	2.08-3.74	0.14	3.29 (0.41)	3.29	2.54-4.15	0.13	3.77 (0.58)	3.76	2.76-5	0.15
Aug	2.21 (0.4)	2.18	1.45-3.03	0.18	2.98 (0.49)	2.97	2.06-3.94	0.16	3.38 (0.49)	3.35	2.46-4.37	0.15
Sep	1.44 (0.23)	1.44	1.01-1.9	0.16	1.32 (0.17)	1.32	1-1.67	0.13	1.25 (0.13)	1.26	1.01-1.54	0.11
Oct	0.21 (0.06)	0.21	0.11-0.32	0.27	0.19 (0.04)	0.19	0.11-0.28	0.23	0.17 (0.04)	0.17	0.11-0.25	0.21
Nov	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0.01	0.93
Dec	0.01 (0.01)	0.01	0-0.02	0.94	0 (0)	0.00	0-0.01	0.94	0.01 (0)	0.01	0-0.02	0.60



**1.25 Razorbill**

**Table 29. Monthly density (birds/km<sup>2</sup>) of razorbill recorded in flight and on the sea, 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	0.05 (0.05)	0.05	0-0.14	0.96	0.04 (0.04)	0.04	0-0.14	0.99	0.03 (0.03)	0.03	0-0.1	0.99
Mar	0.06 (0.06)	0.06	0-0.19	0.98	0.08 (0.06)	0.08	0.01-0.21	0.80	0.09 (0.04)	0.09	0.02-0.19	0.48
Apr	0.04 (0.05)	0.04	0-0.13	1.11	0.06 (0.07)	0.06	0-0.18	1.08	0.07 (0.07)	0.07	0-0.19	1.05
May	0.01 (0.01)	0.01	0-0.02	1.57	0 (0.01)	0.00	0-0.02	1.53	0.01 (0.01)	0.01	0-0.04	0.84
Jun	0.03 (0.03)	0.03	0-0.09	1.15	0.02 (0.03)	0.02	0-0.08	1.15	0.04 (0.05)	0.04	0-0.13	1.15
Jul	0.05 (0.07)	0.05	0-0.23	1.42	0.05 (0.07)	0.05	0-0.23	1.37	0.06 (0.08)	0.06	0-0.24	1.37
Aug	0.06 (0.07)	0.06	0-0.25	1.20	0.06 (0.05)	0.06	0-0.18	0.87	0.05 (0.05)	0.05	0-0.17	0.94
Sep	0.1 (0.05)	0.10	0.01-0.2	0.52	0.13 (0.1)	0.13	0.01-0.39	0.81	0.15 (0.13)	0.15	0.02-0.47	0.87
Oct	0.01 (0.02)	0.01	0-0.05	1.33	0.01 (0.02)	0.01	0-0.05	1.25	0.02 (0.01)	0.02	0-0.04	0.72
Nov	0.01 (0.01)	0.01	0-0.04	1.62	0.01 (0.01)	0.01	0-0.03	0.92	0.01 (0.01)	0.01	0-0.02	0.93
Dec	0.01 (0.02)	0.01	0-0.05	1.34	0.01 (0.02)	0.01	0-0.05	1.27	0.01 (0.01)	0.01	0-0.04	1.25

**Table 30. Monthly density (birds/km<sup>2</sup>) of razorbill (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, 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	0.05 (0.03)	0.05	0-0.11	0.52	0.05 (0.02)	0.05	0.01-0.09	0.45	0.04 (0.02)	0.04	0.01-0.07	0.45
Mar	0.07 (0.03)	0.07	0.02-0.14	0.47	0.09 (0.04)	0.09	0.03-0.16	0.39	0.1 (0.04)	0.10	0.04-0.18	0.35
Apr	0.04 (0.01)	0.04	0.02-0.07	0.33	0.07 (0.02)	0.07	0.03-0.1	0.28	0.07 (0.02)	0.07	0.04-0.11	0.22
May	0.01 (0)	0.01	0-0.02	0.84	0 (0)	0.00	0-0.01	0.83	0.01 (0.01)	0.01	0-0.03	0.63

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	0.03 (0.01)	0.03	0.01-0.05	0.40	0.02 (0.01)	0.02	0-0.04	0.40	0.04 (0.02)	0.04	0.01-0.07	0.39
Jul	0.05 (0.03)	0.05	0-0.12	0.65	0.05 (0.03)	0.05	0.01-0.11	0.52	0.06 (0.02)	0.06	0.02-0.11	0.39
Aug	0.06 (0.03)	0.06	0.01-0.14	0.55	0.06 (0.03)	0.06	0.01-0.12	0.50	0.05 (0.02)	0.05	0.01-0.1	0.45
Sep	0.1 (0.05)	0.10	0.02-0.2	0.49	0.13 (0.06)	0.13	0.03-0.27	0.47	0.15 (0.06)	0.15	0.05-0.28	0.39
Oct	0.01 (0.01)	0.01	0-0.03	0.62	0.01 (0.01)	0.01	0-0.03	0.53	0.02 (0.01)	0.02	0-0.04	0.69
Nov	0.01 (0.01)	0.01	0-0.02	0.92	0.01 (0.01)	0.01	0-0.03	0.92	0.01 (0.01)	0.01	0-0.02	0.93
Dec	0.01 (0.01)	0.01	0-0.03	0.63	0.01 (0.01)	0.01	0-0.03	0.55	0.01 (0.01)	0.01	0-0.02	0.54

**Table 31. Monthly density (birds/km<sup>2</sup>) of razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, 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	0.06 (0.03)	0.06	0-0.12	0.52	0.05 (0.02)	0.06	0.01-0.11	0.45	0.04 (0.02)	0.04	0.01-0.09	0.45
Mar	0.08 (0.04)	0.08	0.03-0.16	0.46	0.11 (0.04)	0.11	0.03-0.19	0.39	0.12 (0.04)	0.12	0.05-0.21	0.35
Apr	0.05 (0.02)	0.05	0.02-0.08	0.33	0.08 (0.02)	0.08	0.04-0.12	0.28	0.09 (0.02)	0.09	0.05-0.12	0.22
May	0.01 (0)	0.01	0-0.02	0.84	0 (0)	0.00	0-0.01	0.83	0.02 (0.01)	0.02	0-0.04	0.61
Jun	0.04 (0.01)	0.04	0.01-0.06	0.40	0.03 (0.01)	0.03	0.01-0.05	0.40	0.05 (0.02)	0.05	0.02-0.09	0.39
Jul	0.06 (0.04)	0.06	0-0.14	0.64	0.06 (0.03)	0.06	0.01-0.12	0.51	0.07 (0.03)	0.07	0.03-0.13	0.39
Aug	0.07 (0.04)	0.07	0.02-0.16	0.54	0.07 (0.04)	0.07	0.02-0.15	0.49	0.06 (0.03)	0.06	0.02-0.12	0.44
Sep	0.12 (0.06)	0.12	0.02-0.24	0.48	0.16 (0.08)	0.16	0.04-0.32	0.47	0.19 (0.07)	0.19	0.06-0.34	0.39
Oct	0.01 (0.01)	0.01	0-0.03	0.62	0.01 (0.01)	0.01	0-0.03	0.53	0.02 (0.01)	0.02	0-0.04	0.69
Nov	0.01 (0.01)	0.01	0-0.02	0.92	0.01 (0.01)	0.01	0-0.03	0.92	0.01 (0.01)	0.01	0-0.02	0.93
Dec	0.01 (0.01)	0.01	0-0.03	0.63	0.02 (0.01)	0.02	0-0.03	0.55	0.01 (0.01)	0.01	0-0.03	0.54

**1.26 Red-throated Diver**

**Table 32. Monthly density (birds/km<sup>2</sup>) of red-throated diver recorded in flight and on the sea, 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 (0.01)	0	0-0.02	1.49	0 (0.01)	0	0-0.01	1.54
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	1.72	0 (0.01)	0	0-0.03	1.67	0 (0.01)	0	0-0.02	1.71
Nov	0 (0)	0.00	0-0		0 (0.01)	0	0-0.02	1.51	0 (0.01)	0	0-0.02	1.63
Dec	0 (0)	0.00	0-0		0 (0)	0	0-0		0 (0)	0	0-0	

1.27 Shag

Table 33. Monthly density (birds/km<sup>2</sup>) of shag recorded in flight and on the sea, 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	0-0.02	2.22
Mar	0 (0)	0.00	0-0		0 (0)	0.00	0-0		0 (0)	0.00	0-0	
Apr	0.01 (0.01)	0.01	0-0.04	1.64	0.01 (0.01)	0.01	0-0.03	1.38	0.01 (0.01)	0.01	0-0.04	1.26
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 (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	

**1.28 Sooty Shearwater**

**Table 34. Monthly density (birds/km<sup>2</sup>) of sooty shearwater recorded in flight and on the sea, 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	2.05	0.01 (0.01)	0.01	0-0.03	1.79	0 (0.01)	0	0-0.03	1.88
Sep	0 (0)	0	0-0		0 (0.01)	0.00	0-0.02	2.07	0 (0)	0	0-0.01	2.10
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	