



FIVE ESTUARIES OFFSHORE WIND FARM ENVIRONMENTAL STATEMENT

VOLUME 6, PART 5, ANNEX 4.3: SEABIRD DENSITIES BY MONTH

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Five Estuaries Offshore Windfarm

Ornithology Technical Annex 4.3 Seabird densities by month

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1 INTRODUCTION

This annex provides tables of seabird density in each calendar month for each species recorded during baseline surveys for the Five Estuaries Offshore Windfarm project (VE). These have been derived from the 24 surveyed months over which data was collected (March 2019 – February 2021).

Monthly densities were estimated using design-based methods and are summarised as central estimate (i.e. extrapolated from the number seen in the surveyed area to the whole area) and 95% confidence range, derived from 1,000 nonparametric bootstrap samples. The monthly values were obtained as the average of the two calendar months available (see Volume 6, Part 5, Annex 4.5 for the densities from each individual survey).

Table 1. Five Estuaries North. Monthly density of Black-headed gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	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	
May	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	
Jul	0 (0)	0-0		0.06 (0.03)	0-0.13	0.53	0.09 (0.04)	0.02-0.15	0.41
Aug	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.82
Oct	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.71
Nov	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.81
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 2. Five Estuaries North. Monthly density of Common gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb	0 (0)	0-0		0.04 (0.03)	0-0.11	0.81	0.04 (0.02)	0-0.09	0.62
Mar	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr	0.05 (0.04)	0-0.15	0.83	0.02 (0.02)	0-0.06	0.81	0.03 (0.02)	0-0.08	0.83
May	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	
Jul	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	
Sep	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	
Nov	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec	0.05 (0.04)	0-0.15	0.82	0.02 (0.02)	0-0.06	0.84	0.02 (0.02)	0-0.06	0.76

Table 3. Five Estuaries North. Monthly density of Common tern recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	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	
May	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	
Jul	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	
Sep	0.05 (0.04)	0-0.11	0.78	0.02 (0.02)	0-0.07	0.78	0.01 (0.01)	0-0.04	0.82
Oct	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	
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 4. Five Estuaries North. Monthly density of Fulmar recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0.05 (0.04)	0-0.16	0.83	0.02 (0.02)	0-0.07	0.8	0.05 (0.02)	0.01-0.1	0.48
Feb	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Mar	0.16 (0.09)	0-0.37	0.57	0.11 (0.06)	0.02-0.22	0.54	0.1 (0.04)	0.03-0.18	0.37
Apr	0.05 (0.04)	0-0.16	0.83	0.02 (0.02)	0-0.07	0.78	0.03 (0.02)	0-0.05	0.59
May	0.16 (0.07)	0.05-0.26	0.42	0.11 (0.04)	0.05-0.2	0.4	0.1 (0.04)	0.03-0.18	0.39
Jun	0.16 (0.13)	0-0.47	0.83	0.07 (0.05)	0-0.2	0.82	0.06 (0.03)	0-0.12	0.53
Jul	0.31 (0.24)	0-0.84	0.77	0.16 (0.12)	0-0.42	0.75	0.1 (0.07)	0-0.24	0.66
Aug	0 (0)	0-0		0 (0)	0-0		0.03 (0.01)	0-0.05	0.5
Sep	0 (0)	0-0		0 (0)	0-0		0.03 (0.02)	0-0.06	0.73
Oct	0 (0)	0-0		0.02 (0.02)	0-0.04	0.73	0.01 (0.01)	0-0.03	0.72
Nov	0 (0)	0-0		0.02 (0.02)	0-0.07	0.8	0.01 (0.01)	0-0.04	0.81
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 5. Five Estuaries North. Monthly density of Gannet recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0 (0)	0-0		0.02 (0.02)	0-0.06	0.84	0.01 (0.01)	0-0.04	0.81
Feb	0 (0)	0-0		0.02 (0.02)	0-0.06	0.83	0.05 (0.03)	0-0.11	0.64
Mar	0.26 (0.17)	0-0.63	0.64	0.18 (0.08)	0.04-0.34	0.44	0.19 (0.06)	0.09-0.31	0.30
Apr	0.05 (0.04)	0-0.16	0.81	0.2 (0.07)	0.07-0.34	0.36	0.19 (0.06)	0.08-0.3	0.32
May	0 (0)	0-0		0.05 (0.03)	0-0.09	0.56	0.03 (0.01)	0-0.05	0.54
Jun	0.16 (0.08)	0.05-0.32	0.48	0.09 (0.05)	0-0.2	0.55	0.12 (0.04)	0.05-0.18	0.31
Jul	0.56 (0.34)	0.05-1.23	0.6	0.24 (0.14)	0.02-0.55	0.59	0.16 (0.08)	0.02-0.34	0.51
Aug	0.74 (0.35)	0.11-1.47	0.48	0.72 (0.23)	0.32-1.19	0.32	0.69 (0.14)	0.42-0.96	0.21
Sep	0.15 (0.09)	0-0.35	0.57	0.26 (0.12)	0.07-0.51	0.45	0.19 (0.08)	0.05-0.34	0.41
Oct	0.31 (0.19)	0-0.73	0.6	0.29 (0.12)	0.09-0.55	0.42	0.28 (0.07)	0.14-0.43	0.27
Nov	2.13 (1.03)	0.37-4.21	0.49	2.52 (0.67)	1.28-3.87	0.27	2.12 (0.35)	1.44-2.81	0.17
Dec	0.3 (0.22)	0-0.81	0.72	0.17 (0.11)	0-0.41	0.66	0.11 (0.07)	0.01-0.25	0.58

Table 6. Five Estuaries North. Monthly density of Great black-backed gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0.05 (0.04)	0-0.15	0.82	0.04 (0.04)	0-0.13	0.81	0.05 (0.03)	0-0.1	0.57
Feb	0 (0)	0-0		0.04 (0.03)	0-0.11	0.8	0.02 (0.02)	0-0.06	0.79
Mar	0.05 (0.04)	0-0.16	0.83	0.02 (0.02)	0-0.07	0.81	0.01 (0.01)	0-0.04	0.8
Apr	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	
Jun	0 (0)	0-0		0.02 (0.01)	0-0.05	0.6	0.01 (0.01)	0-0.03	0.6
Jul	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	
Sep	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct	0.05 (0.04)	0-0.16	0.8	0.02 (0.02)	0-0.07	0.77	0.14 (0.08)	0-0.28	0.57
Nov	0 (0)	0-0		0.04 (0.02)	0-0.09	0.5	0.1 (0.04)	0.04-0.18	0.37
Dec	0.25 (0.17)	0-0.61	0.67	0.24 (0.11)	0.06-0.45	0.46	0.46 (0.21)	0.12-0.92	0.45

Table 7. Five Estuaries North. Monthly density of Guillemot recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	1.44 (0.54)	0.41-2.51	0.38	1.41 (0.33)	0.77-2.06	0.24	1.47 (0.21)	1.07-1.9	0.14
Feb	3.16 (1.63)	0.4-6.38	0.51	3.5 (0.82)	1.85-5.02	0.23	3.95 (0.63)	2.71-5.18	0.16
Mar	3.53 (1.33)	1.04-6.18	0.38	3.61 (0.64)	2.37-4.92	0.18	3.89 (0.48)	2.97-4.85	0.12
Apr	1.72 (0.75)	0.36-3.17	0.43	1.63 (0.32)	1.03-2.25	0.19	2.12 (0.29)	1.58-2.71	0.14
May	0.15 (0.12)	0-0.46	0.81	0.24 (0.13)	0.02-0.51	0.53	0.23 (0.08)	0.09-0.39	0.35
Jun	0 (0)	0-0		0.06 (0.04)	0-0.15	0.59	0.04 (0.02)	0-0.09	0.58
Jul	0.16 (0.13)	0-0.47	0.82	0.24 (0.09)	0.04-0.4	0.38	0.18 (0.06)	0.08-0.29	0.32
Aug	0 (0)	0-0		0.27 (0.13)	0.05-0.54	0.48	0.16 (0.08)	0.03-0.32	0.49
Sep	0.85 (0.42)	0.1-1.71	0.49	0.58 (0.18)	0.26-0.92	0.30	0.48 (0.1)	0.31-0.67	0.21
Oct	0.05 (0.04)	0-0.16	0.83	0.26 (0.15)	0-0.59	0.59	0.28 (0.1)	0.12-0.49	0.36
Nov	1.25 (0.5)	0.32-2.25	0.4	1.16 (0.28)	0.62-1.69	0.24	1.2 (0.16)	0.9-1.5	0.13
Dec	1.97 (0.86)	0.4-3.73	0.44	2.31 (0.53)	1.27-3.3	0.23	2.13 (0.27)	1.64-2.67	0.13

Table 8. Five Estuaries North. Monthly density of Guillemot (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	1.75 (0.64)	0.53-3.02	0.37	1.63 (0.38)	0.89-2.39	0.24	1.69 (0.24)	1.22-2.18	0.14
Feb	3.57 (1.83)	0.45-7.19	0.51	3.95 (0.93)	2.08-5.67	0.23	4.37 (0.7)	3-5.74	0.16
Mar	3.74 (1.41)	1.1-6.55	0.38	3.79 (0.67)	2.49-5.16	0.18	4.06 (0.51)	3.1-5.06	0.12
Apr	1.87 (0.81)	0.4-3.46	0.43	1.85 (0.36)	1.18-2.55	0.19	2.27 (0.31)	1.7-2.9	0.14
May	0.2 (0.16)	0-0.61	0.81	0.26 (0.14)	0.02-0.55	0.52	0.29 (0.1)	0.11-0.5	0.34
Jun	0 (0)	0-0		0.06 (0.04)	0-0.15	0.59	0.04 (0.02)	0-0.09	0.58
Jul	0.16 (0.13)	0-0.47	0.82	0.24 (0.09)	0.04-0.4	0.38	0.18 (0.06)	0.08-0.29	0.32
Aug	0 (0)	0-0		0.29 (0.14)	0.05-0.58	0.48	0.17 (0.08)	0.03-0.35	0.49
Sep	0.85 (0.42)	0.1-1.71	0.49	0.58 (0.18)	0.26-0.92	0.30	0.51 (0.11)	0.32-0.71	0.22
Oct	0.05 (0.04)	0-0.16	0.83	0.28 (0.16)	0-0.63	0.58	0.3 (0.1)	0.13-0.53	0.34
Nov	1.36 (0.54)	0.35-2.44	0.4	1.34 (0.32)	0.72-1.95	0.24	1.38 (0.18)	1.03-1.74	0.13
Dec	2.62 (1.16)	0.53-4.99	0.44	2.8 (0.63)	1.55-4	0.23	2.51 (0.31)	1.95-3.15	0.12

Table 9. Five Estuaries North. Monthly density of Guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	2.21 (0.81)	0.67-3.82	0.37	2.06 (0.49)	1.13-3.03	0.24	2.13 (0.3)	1.54-2.75	0.14
Feb	4.67 (2.4)	0.59-9.42	0.51	5.15 (1.21)	2.72-7.4	0.23	5.71 (0.91)	3.91-7.49	0.16
Mar	4.88 (1.84)	1.43-8.55	0.38	4.96 (0.88)	3.26-6.76	0.18	5.31 (0.66)	4.05-6.62	0.12
Apr	2.45 (1.06)	0.52-4.51	0.43	2.43 (0.47)	1.55-3.35	0.19	2.98 (0.41)	2.23-3.8	0.14
May	0.25 (0.21)	0-0.76	0.81	0.35 (0.18)	0.03-0.73	0.52	0.38 (0.13)	0.15-0.66	0.35
Jun	0 (0)	0-0		0.09 (0.05)	0-0.2	0.59	0.05 (0.03)	0-0.12	0.58
Jul	0.21 (0.17)	0-0.62	0.82	0.31 (0.12)	0.06-0.51	0.38	0.23 (0.07)	0.1-0.38	0.32
Aug	0 (0)	0-0		0.38 (0.18)	0.07-0.75	0.47	0.22 (0.11)	0.04-0.45	0.49
Sep	1.11 (0.54)	0.13-2.21	0.49	0.75 (0.23)	0.33-1.2	0.30	0.67 (0.15)	0.42-0.94	0.22
Oct	0.05 (0.04)	0-0.16	0.83	0.37 (0.21)	0-0.83	0.58	0.39 (0.13)	0.17-0.68	0.34
Nov	1.78 (0.7)	0.46-3.19	0.4	1.76 (0.42)	0.95-2.57	0.24	1.8 (0.24)	1.35-2.27	0.13
Dec	3.43 (1.51)	0.69-6.52	0.44	3.66 (0.83)	2.03-5.22	0.23	3.27 (0.41)	2.54-4.1	0.12

Table 10. Five Estuaries North. Monthly density of Herring gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	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	
May	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	
Jul	0.58 (0.42)	0-1.41	0.74	0.25 (0.18)	0-0.65	0.75	0.14 (0.11)	0-0.37	0.76
Aug	0 (0)	0-0		0.02 (0.02)	0-0.07	0.83	0.01 (0.01)	0-0.04	0.83
Sep	0.05 (0.04)	0-0.15	0.82	0.02 (0.02)	0-0.06	0.81	0.01 (0.01)	0-0.04	0.82
Oct	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.73
Nov	0 (0)	0-0		0 (0)	0-0		0.04 (0.02)	0-0.09	0.6
Dec	0.1 (0.07)	0-0.25	0.72	0.09 (0.05)	0-0.19	0.6	0.12 (0.04)	0.05-0.2	0.32

Table 11. Five Estuaries North. Monthly density of Kittiwake recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0.26 (0.15)	0-0.56	0.59	0.26 (0.09)	0.09-0.44	0.34	0.27 (0.07)	0.14-0.39	0.26
Feb	0.6 (0.37)	0-1.36	0.61	0.73 (0.3)	0.17-1.33	0.41	0.57 (0.18)	0.25-0.94	0.32
Mar	1.58 (0.68)	0.42-2.94	0.43	1.39 (0.4)	0.65-2.17	0.29	1.55 (0.28)	1.01-2.11	0.18
Apr	0.68 (0.34)	0.1-1.42	0.50	1.14 (0.22)	0.74-1.59	0.19	0.88 (0.15)	0.59-1.17	0.17
May	0.32 (0.25)	0-0.95	0.80	0.33 (0.15)	0.09-0.65	0.44	0.42 (0.16)	0.15-0.73	0.37
Jun	0.42 (0.23)	0.11-0.94	0.54	0.52 (0.24)	0.16-1.08	0.46	0.44 (0.17)	0.16-0.79	0.38
Jul	0.46 (0.32)	0-1.22	0.70	0.24 (0.13)	0.04-0.52	0.56	0.26 (0.1)	0.1-0.48	0.37
Aug	0.1 (0.08)	0-0.3	0.83	0.11 (0.05)	0.02-0.22	0.48	0.17 (0.05)	0.09-0.27	0.27
Sep	0.26 (0.18)	0-0.67	0.69	0.36 (0.16)	0.09-0.69	0.43	0.41 (0.15)	0.13-0.71	0.37
Oct	0.05 (0.04)	0-0.16	0.81	0.11 (0.06)	0-0.24	0.59	0.11 (0.04)	0.04-0.2	0.39
Nov	0.46 (0.25)	0-0.98	0.54	0.53 (0.16)	0.22-0.83	0.31	0.46 (0.1)	0.27-0.66	0.22
Dec	0.45 (0.23)	0.05-0.91	0.51	0.52 (0.15)	0.24-0.8	0.28	0.58 (0.11)	0.37-0.81	0.19

Table 12. Five Estuaries North. Monthly density of Lesser black-backed gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0.05 (0.04)	0-0.15	0.82	0.04 (0.02)	0-0.09	0.58	0.02 (0.01)	0-0.05	0.59
Feb	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.71
Mar	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.03	0.51
Apr	0 (0)	0-0		0 (0)	0-0		0.04 (0.02)	0-0.09	0.57
May	0 (0)	0-0		0.11 (0.07)	0-0.29	0.67	0.06 (0.04)	0-0.17	0.69
Jun	0.66 (0.34)	0.05-1.38	0.52	0.52 (0.17)	0.22-0.85	0.33	0.53 (0.11)	0.31-0.76	0.21
Jul	7.14 (5.31)	0-19.31	0.74	3.05 (2.32)	0-8.37	0.76	1.91 (1.37)	0.06-5.01	0.72
Aug	0 (0)	0-0		0.07 (0.04)	0-0.13	0.67	0.04 (0.03)	0-0.08	0.68
Sep	0.16 (0.1)	0-0.36	0.61	0.11 (0.05)	0.02-0.2	0.46	0.08 (0.03)	0.01-0.14	0.41
Oct	0 (0)	0-0		0.02 (0.02)	0-0.06	0.81	0.01 (0.01)	0-0.04	0.84
Nov	0 (0)	0-0		0.02 (0.02)	0-0.04	0.75	0.08 (0.05)	0-0.18	0.60
Dec	0 (0)	0-0		0.02 (0.02)	0-0.06	0.79	0.04 (0.02)	0-0.09	0.64

Table 13. Five Estuaries North. Monthly density of Little gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Feb	0 (0)	0-0		0.02 (0.02)	0-0.06	0.81	0.01 (0.01)	0-0.04	0.82
Mar	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr	0.1 (0.08)	0-0.21	0.79	0.04 (0.04)	0-0.13	0.78	0.04 (0.03)	0-0.1	0.78
May	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	
Jul	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	
Sep	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct	0 (0)	0-0		0 (0)	0-0		0.03 (0.01)	0-0.05	0.49
Nov	0.05 (0.04)	0-0.16	0.81	0.02 (0.02)	0-0.07	0.78	0.04 (0.02)	0-0.08	0.58
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 14. Five Estuaries North. Monthly density of Puffin recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.03	0.53
Apr	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	
Jun	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	
Aug	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	
Oct	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	
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 15. Five Estuaries North. Monthly density of Puffin (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.03	0.53
Apr	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	
Jun	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	
Aug	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	
Oct	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	
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 16. Five Estuaries North. Monthly density of Puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.03	0.53
Apr	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	
Jun	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	
Aug	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	
Oct	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	
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 17. Five Estuaries North. Monthly density of Razorbill recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0.66 (0.25)	0.2-1.17	0.38	0.81 (0.27)	0.33-1.36	0.33	0.85 (0.18)	0.49-1.18	0.21
Feb	1.66 (0.93)	0.15-3.67	0.56	1.14 (0.39)	0.41-1.93	0.34	1.24 (0.22)	0.83-1.65	0.17
Mar	2.35 (0.95)	0.58-4.22	0.4	2.55 (0.51)	1.6-3.54	0.2	2.4 (0.27)	1.85-2.91	0.11
Apr	0.16 (0.08)	0-0.31	0.5	0.31 (0.13)	0.09-0.6	0.43	0.34 (0.12)	0.13-0.6	0.35
May	0.16 (0.13)	0-0.47	0.83	0.13 (0.08)	0-0.31	0.62	0.09 (0.05)	0.01-0.19	0.53
Jun	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	
Aug	0.11 (0.09)	0-0.32	0.83	0.05 (0.04)	0-0.14	0.82	0.03 (0.02)	0-0.08	0.82
Sep	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct	0.86 (0.48)	0-1.82	0.55	0.71 (0.29)	0.17-1.3	0.41	0.61 (0.21)	0.21-1.03	0.35
Nov	0.73 (0.42)	0-1.63	0.57	0.65 (0.26)	0.2-1.18	0.4	0.58 (0.2)	0.25-0.98	0.34
Dec	2.78 (1.33)	0.15-5.35	0.48	3.34 (0.73)	1.99-4.77	0.22	3.4 (0.57)	2.39-4.62	0.17

Table 18. Five Estuaries North. Monthly density of Razorbill (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0.71 (0.27)	0.22-1.26	0.38	0.92 (0.31)	0.37-1.55	0.33	0.96 (0.2)	0.56-1.34	0.21
Feb	1.86 (1.04)	0.17-4.11	0.56	1.27 (0.43)	0.46-2.15	0.34	1.41 (0.25)	0.94-1.89	0.18
Mar	2.45 (1)	0.59-4.42	0.41	2.66 (0.53)	1.66-3.7	0.2	2.5 (0.28)	1.93-3.04	0.11
Apr	0.16 (0.08)	0-0.31	0.5	0.33 (0.14)	0.1-0.63	0.42	0.37 (0.13)	0.14-0.64	0.35
May	0.16 (0.13)	0-0.47	0.83	0.13 (0.08)	0-0.31	0.62	0.11 (0.06)	0.02-0.24	0.5
Jun	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	
Aug	0.16 (0.13)	0-0.47	0.83	0.05 (0.04)	0-0.14	0.82	0.03 (0.02)	0-0.08	0.82
Sep	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct	0.91 (0.51)	0-1.93	0.55	0.71 (0.29)	0.17-1.3	0.41	0.63 (0.22)	0.21-1.05	0.35
Nov	0.79 (0.44)	0-1.74	0.56	0.71 (0.29)	0.22-1.3	0.41	0.69 (0.25)	0.28-1.2	0.36
Dec	3.58 (1.73)	0.17-6.94	0.48	3.97 (0.86)	2.36-5.65	0.22	3.87 (0.64)	2.73-5.24	0.17

Table 19. Five Estuaries North. Monthly density of Razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0.82 (0.31)	0.25-1.43	0.38	1.03 (0.34)	0.42-1.73	0.33	1.08 (0.22)	0.63-1.5	0.21
Feb	2.21 (1.24)	0.2-4.89	0.56	1.52 (0.52)	0.55-2.59	0.34	1.68 (0.3)	1.12-2.25	0.18
Mar	2.97 (1.21)	0.71-5.37	0.41	3.21 (0.64)	2.01-4.47	0.2	3.04 (0.35)	2.35-3.69	0.11
Apr	0.21 (0.1)	0-0.42	0.5	0.42 (0.18)	0.12-0.81	0.43	0.45 (0.16)	0.17-0.78	0.35
May	0.16 (0.13)	0-0.47	0.83	0.15 (0.09)	0-0.35	0.61	0.13 (0.06)	0.02-0.26	0.49
Jun	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	
Aug	0.21 (0.18)	0-0.63	0.83	0.05 (0.04)	0-0.14	0.82	0.03 (0.02)	0-0.08	0.82
Sep	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct	1.07 (0.59)	0-2.25	0.55	0.78 (0.32)	0.19-1.41	0.41	0.69 (0.24)	0.23-1.16	0.35
Nov	0.94 (0.53)	0-2.08	0.56	0.87 (0.35)	0.27-1.59	0.41	0.83 (0.3)	0.34-1.44	0.36
Dec	4.34 (2.1)	0.2-8.41	0.48	4.79 (1.04)	2.85-6.82	0.22	4.68 (0.78)	3.31-6.33	0.17

Table 20. Five Estuaries North. Monthly density of Red-throated diver recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0.05 (0.04)	0-0.15	0.82	0.04 (0.02)	0-0.09	0.5	0.02 (0.01)	0-0.05	0.49
Feb	0 (0)	0-0		0 (0)	0-0		0.06 (0.03)	0.01-0.14	0.55
Mar	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.81
Apr	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
May	0 (0)	0-0		0.04 (0.03)	0-0.09	0.71	0.03 (0.02)	0-0.05	0.71
Jun	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	
Aug	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep	0 (0)	0-0		0.02 (0.02)	0-0.07	0.78	0.01 (0.01)	0-0.04	0.82
Oct	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.02	0.71
Nov	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec	0 (0)	0-0		0.02 (0.02)	0-0.04	0.78	0.02 (0.02)	0-0.06	0.8

Table 21. Five Estuaries North. Monthly density of Sandwich tern recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.03	0.69
May	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	
Jul	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	
Sep	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	
Nov	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	

Table 22. Five Estuaries South. Monthly density of Arctic skua recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	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	
May	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	
Jul	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	
Sep	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.03	0.76
Oct	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Nov	0 (0)	0-0		0.02 (0.02)	0-0.05	0.76	0.01 (0.01)	0-0.03	0.77
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 23. Five Estuaries South. Monthly density of Black-headed gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	0 (0)	0-0		0 (0)	0-0		0.07 (0.04)	0-0.15	0.56
Apr	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	
Jun	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jul	0.11 (0.06)	0-0.22	0.56	0.05 (0.03)	0-0.09	0.57	0.07 (0.03)	0.01-0.13	0.46
Aug	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	
Oct	0.06 (0.05)	0-0.17	0.8	0.02 (0.02)	0-0.07	0.81	0.03 (0.02)	0-0.06	0.6
Nov	0.06 (0.05)	0-0.17	0.79	0.1 (0.07)	0-0.24	0.68	0.06 (0.04)	0-0.12	0.66
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 24. Five Estuaries South. Monthly density of Common gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0 (0)	0-0		0.02 (0.02)	0-0.05	0.76	0.01 (0.01)	0-0.03	0.75
Feb	0.06 (0.05)	0-0.17	0.82	0.02 (0.02)	0-0.07	0.81	0.07 (0.05)	0-0.2	0.79
Mar	0.16 (0.09)	0-0.33	0.52	0.12 (0.05)	0.05-0.21	0.4	0.07 (0.03)	0.01-0.12	0.44
Apr	0 (0)	0-0		0.09 (0.03)	0.02-0.16	0.33	0.12 (0.03)	0.07-0.17	0.23
May	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun	0 (0)	0-0		0.02 (0.02)	0-0.07	0.85	0.01 (0.01)	0-0.04	0.8
Jul	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	
Sep	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.81
Oct	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	
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 25. Five Estuaries South. Monthly density of Common tern recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	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	
May	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun	0 (0)	0-0		0 (0)	0-0		0.03 (0.02)	0-0.07	0.79
Jul	0 (0)	0-0		0.02 (0.02)	0-0.07	0.82	0.01 (0.01)	0-0.04	0.83
Aug	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Sep	0 (0)	0-0		0 (0)	0-0		0.05 (0.03)	0-0.11	0.56
Oct	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	
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 26. Five Estuaries South. Monthly density of Cormorant recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	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	
May	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	
Jul	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	
Sep	0.35 (0.28)	0-0.7	0.79	0.15 (0.12)	0-0.44	0.84	0.08 (0.07)	0-0.25	0.84
Oct	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	
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 27. Five Estuaries South. Monthly density of Fulmar recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0 (0)	0-0		0.02 (0.02)	0-0.07	0.81	0.03 (0.01)	0-0.05	0.54
Feb	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.03	0.78
Mar	0.4 (0.14)	0.11-0.68	0.36	0.22 (0.07)	0.07-0.36	0.33	0.21 (0.05)	0.1-0.32	0.26
Apr	0.06 (0.05)	0-0.17	0.82	0.05 (0.03)	0-0.1	0.56	0.03 (0.02)	0-0.06	0.55
May	0.23 (0.13)	0.06-0.51	0.55	0.12 (0.06)	0.02-0.24	0.5	0.15 (0.05)	0.06-0.25	0.35
Jun	0.23 (0.14)	0-0.52	0.61	0.25 (0.11)	0.05-0.44	0.43	0.2 (0.08)	0.04-0.35	0.41
Jul	0.06 (0.05)	0-0.11	0.8	0.09 (0.05)	0-0.21	0.57	0.16 (0.09)	0.01-0.34	0.54
Aug	0.29 (0.22)	0-0.8	0.76	0.54 (0.32)	0.05-1.22	0.6	0.53 (0.22)	0.15-0.97	0.41
Sep	0.06 (0.04)	0-0.12	0.76	0.12 (0.08)	0-0.3	0.65	0.48 (0.18)	0.13-0.86	0.38
Oct	0 (0)	0-0		0.02 (0.02)	0-0.05	0.75	0.01 (0.01)	0-0.03	0.74
Nov	0 (0)	0-0		0.02 (0.02)	0-0.05	0.75	0.01 (0.01)	0-0.03	0.77
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 28. Five Estuaries South. Monthly density of Gannet recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0 (0)	0-0		0 (0)	0-0		0.05 (0.03)	0.01-0.09	0.48
Feb	0.16 (0.13)	0-0.44	0.78	0.28 (0.14)	0.05-0.56	0.51	0.63 (0.23)	0.21-1.08	0.37
Mar	0.11 (0.06)	0-0.23	0.57	0.12 (0.04)	0.05-0.19	0.34	0.64 (0.38)	0.07-1.27	0.59
Apr	0.17 (0.11)	0-0.39	0.66	0.12 (0.06)	0.02-0.24	0.49	0.15 (0.05)	0.06-0.26	0.34
May	0.06 (0.04)	0-0.17	0.75	0.05 (0.04)	0-0.12	0.79	0.03 (0.02)	0-0.06	0.78
Jun	1.39 (1.04)	0-3.82	0.75	0.84 (0.49)	0.07-1.8	0.58	0.63 (0.3)	0.15-1.24	0.47
Jul	0.11 (0.06)	0-0.23	0.56	0.1 (0.04)	0.02-0.17	0.4	0.08 (0.02)	0.04-0.14	0.29
Aug	0.06 (0.05)	0-0.17	0.82	0.41 (0.18)	0.12-0.78	0.43	0.49 (0.17)	0.21-0.82	0.34
Sep	0.51 (0.23)	0.11-1.02	0.45	0.45 (0.18)	0.14-0.81	0.39	0.37 (0.11)	0.18-0.59	0.30
Oct	0.28 (0.18)	0-0.67	0.65	0.43 (0.17)	0.12-0.76	0.4	0.35 (0.12)	0.15-0.6	0.33
Nov	2.3 (0.88)	0.75-4.09	0.38	1.71 (0.44)	0.86-2.52	0.26	1.53 (0.22)	1.11-1.96	0.14
Dec	0 (0)	0-0		0.02 (0.02)	0-0.07	0.78	0.04 (0.03)	0-0.09	0.65

Table 29. Five Estuaries South. Monthly density of Great black-backed gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0.11 (0.09)	0-0.33	0.82	0.17 (0.08)	0-0.31	0.49	0.22 (0.09)	0.07-0.4	0.42
Feb	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.03	0.77
Mar	0 (0)	0-0		0 (0)	0-0		0.04 (0.03)	0-0.08	0.73
Apr	0 (0)	0-0		0.07 (0.04)	0-0.15	0.55	0.08 (0.03)	0.01-0.15	0.38
May	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Jun	0 (0)	0-0		0.02 (0.02)	0-0.07	0.82	0.01 (0.01)	0-0.04	0.83
Jul	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug	0 (0)	0-0		0.05 (0.03)	0-0.1	0.67	0.06 (0.02)	0.01-0.1	0.4
Sep	0.17 (0.14)	0-0.52	0.83	0.31 (0.15)	0.07-0.63	0.49	0.49 (0.21)	0.11-0.88	0.42
Oct	0 (0)	0-0		0.07 (0.04)	0-0.14	0.54	0.14 (0.04)	0.07-0.23	0.32
Nov	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec	0 (0)	0-0		0.09 (0.06)	0-0.23	0.63	0.11 (0.04)	0.04-0.19	0.36

Table 30. Five Estuaries South. Monthly density of Great skua recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.03	0.77
May	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	
Jul	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Aug	0.06 (0.05)	0-0.17	0.82	0.05 (0.03)	0-0.1	0.59	0.06 (0.02)	0.01-0.1	0.34
Sep	0 (0)	0-0		0.02 (0.02)	0-0.07	0.79	0.03 (0.01)	0-0.06	0.52
Oct	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	
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 31. Five Estuaries South. Monthly density of Guillemot recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	2.34 (0.98)	0.56-4.3	0.42	1.92 (0.48)	1.02-2.85	0.25	2 (0.28)	1.44-2.55	0.14
Feb	16.22 (4.57)	7.32-25.02	0.28	14.07 (2.32)	9.58-18.63	0.16	11.95 (1.08)	9.79-14.08	0.09
Mar	2.25 (0.9)	0.67-4.09	0.4	2.16 (0.48)	1.23-3.09	0.22	2.81 (0.61)	1.72-3.95	0.22
Apr	1.87 (0.71)	0.62-3.39	0.38	1.56 (0.35)	0.89-2.23	0.22	1.57 (0.22)	1.17-1.98	0.14
May	0.5 (0.29)	0.05-1.11	0.58	0.57 (0.21)	0.19-0.97	0.37	0.5 (0.13)	0.24-0.76	0.26
Jun	0.11 (0.09)	0-0.33	0.78	0.05 (0.04)	0-0.14	0.80	0.05 (0.03)	0-0.11	0.52
Jul	0 (0)	0-0		0.07 (0.03)	0.02-0.14	0.45	0.05 (0.02)	0.01-0.09	0.38
Aug	0 (0)	0-0		0.02 (0.02)	0-0.05	0.79	0.01 (0.01)	0-0.04	0.80
Sep	0.11 (0.06)	0-0.22	0.58	0.12 (0.06)	0.02-0.24	0.51	0.11 (0.04)	0.03-0.2	0.41
Oct	0.4 (0.18)	0.11-0.74	0.45	0.34 (0.17)	0.07-0.7	0.49	0.3 (0.12)	0.08-0.56	0.41
Nov	2.36 (1.03)	0.58-4.44	0.44	1.52 (0.48)	0.61-2.47	0.32	1.44 (0.28)	0.95-2.02	0.19
Dec	1.82 (0.65)	0.66-3.2	0.36	1.97 (0.38)	1.2-2.7	0.19	1.81 (0.23)	1.38-2.27	0.12

Table 32. Five Estuaries South. Monthly density of Guillemot (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	2.73 (1.14)	0.65-5.01	0.42	2.16 (0.54)	1.15-3.2	0.25	2.19 (0.31)	1.58-2.8	0.14
Feb	17.8 (5.06)	7.97-27.54	0.28	15.45 (2.56)	10.49-20.48	0.17	13.16 (1.19)	10.76-15.52	0.09
Mar	2.41 (0.97)	0.72-4.4	0.4	2.26 (0.5)	1.29-3.23	0.22	2.93 (0.64)	1.8-4.12	0.22
Apr	1.87 (0.71)	0.62-3.39	0.38	1.58 (0.35)	0.9-2.27	0.22	1.6 (0.22)	1.19-2.01	0.14
May	0.56 (0.32)	0.06-1.23	0.57	0.64 (0.23)	0.21-1.09	0.37	0.54 (0.14)	0.26-0.82	0.26
Jun	0.11 (0.09)	0-0.33	0.78	0.09 (0.07)	0-0.28	0.80	0.16 (0.08)	0-0.32	0.52
Jul	0 (0)	0-0		0.07 (0.03)	0.02-0.14	0.45	0.05 (0.02)	0.01-0.09	0.38
Aug	0 (0)	0-0		0.05 (0.04)	0-0.1	0.79	0.03 (0.02)	0-0.08	0.80
Sep	0.11 (0.06)	0-0.22	0.58	0.24 (0.12)	0.05-0.47	0.51	0.22 (0.09)	0.05-0.41	0.41
Oct	0.46 (0.21)	0.13-0.85	0.45	0.34 (0.17)	0.07-0.7	0.49	0.33 (0.13)	0.09-0.61	0.41
Nov	2.65 (1.16)	0.65-4.98	0.44	1.71 (0.54)	0.69-2.8	0.32	1.61 (0.31)	1.07-2.25	0.19
Dec	2.04 (0.74)	0.74-3.6	0.36	2.28 (0.44)	1.38-3.12	0.19	2.15 (0.27)	1.64-2.69	0.12

Table 33. Five Estuaries South. Monthly density of Guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	3.57 (1.49)	0.85-6.55	0.42	2.82 (0.71)	1.5-4.19	0.25	2.81 (0.4)	2.03-3.6	0.14
Feb	23.1 (6.55)	10.35-35.72	0.28	20.14 (3.34)	13.68-26.71	0.17	17.18 (1.56)	14.05-20.26	0.09
Mar	3.14 (1.26)	0.95-5.73	0.4	2.96 (0.65)	1.69-4.22	0.22	3.82 (0.84)	2.34-5.38	0.22
Apr	2.43 (0.92)	0.82-4.41	0.38	2.06 (0.46)	1.18-2.95	0.22	2.08 (0.29)	1.55-2.62	0.14
May	0.72 (0.41)	0.08-1.58	0.57	0.83 (0.3)	0.28-1.41	0.36	0.72 (0.19)	0.35-1.09	0.26
Jun	0.16 (0.13)	0-0.49	0.78	0.12 (0.09)	0-0.35	0.80	0.21 (0.11)	0-0.43	0.52
Jul	0 (0)	0-0		0.09 (0.04)	0.03-0.19	0.45	0.07 (0.03)	0.02-0.12	0.38
Aug	0 (0)	0-0		0.07 (0.06)	0-0.15	0.79	0.04 (0.03)	0-0.13	0.80
Sep	0.17 (0.1)	0-0.33	0.58	0.31 (0.16)	0.06-0.62	0.52	0.29 (0.12)	0.07-0.53	0.41
Oct	0.57 (0.26)	0.16-1.06	0.45	0.44 (0.21)	0.1-0.89	0.48	0.43 (0.17)	0.12-0.79	0.41
Nov	3.52 (1.53)	0.86-6.6	0.44	2.23 (0.71)	0.9-3.64	0.32	2.1 (0.41)	1.39-2.93	0.19
Dec	2.54 (0.92)	0.92-4.47	0.36	2.91 (0.56)	1.77-3.99	0.19	2.78 (0.35)	2.12-3.48	0.12

Table 34. Five Estuaries South. Monthly density of Herring gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0 (0)	0-0		0.05 (0.04)	0-0.09	0.76	0.07 (0.04)	0-0.15	0.59
Feb	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.03	0.79
Mar	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Apr	0 (0)	0-0		0 (0)	0-0		0.03 (0.02)	0-0.05	0.7
May	0 (0)	0-0		0 (0)	0-0		0.01 (0)	0.01-0.01	0
Jun	0 (0)	0-0		0.34 (0.25)	0-0.93	0.74	0.2 (0.14)	0-0.52	0.71
Jul	0 (0)	0-0		0.05 (0.03)	0-0.09	0.58	0.04 (0.02)	0.01-0.07	0.38
Aug	0.11 (0.09)	0-0.34	0.82	0.12 (0.06)	0.02-0.24	0.53	0.08 (0.04)	0.03-0.17	0.46
Sep	0 (0)	0-0		0.09 (0.05)	0-0.19	0.55	0.07 (0.04)	0-0.13	0.55
Oct	0.06 (0.05)	0-0.17	0.81	0.02 (0.02)	0-0.07	0.79	0.03 (0.01)	0.01-0.04	0.4
Nov	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	

Table 35. Five Estuaries South. Monthly density of Kittiwake recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0.22 (0.12)	0.06-0.5	0.55	0.71 (0.21)	0.33-1.11	0.29	0.77 (0.14)	0.5-1.06	0.19
Feb	0.71 (0.27)	0.22-1.26	0.38	0.51 (0.13)	0.26-0.79	0.26	0.6 (0.11)	0.4-0.84	0.19
Mar	1.69 (0.64)	0.51-2.98	0.38	1.83 (0.44)	0.99-2.64	0.24	2.12 (0.56)	1.09-3.17	0.26
Apr	0.17 (0.08)	0-0.34	0.47	0.34 (0.11)	0.15-0.56	0.32	0.26 (0.07)	0.13-0.4	0.27
May	0.28 (0.14)	0.06-0.56	0.49	0.51 (0.18)	0.17-0.84	0.35	0.59 (0.16)	0.29-0.91	0.27
Jun	0.17 (0.11)	0-0.4	0.64	0.2 (0.08)	0.05-0.37	0.40	0.17 (0.05)	0.07-0.27	0.32
Jul	0.06 (0.05)	0-0.17	0.82	0.09 (0.05)	0-0.21	0.57	0.13 (0.06)	0.03-0.26	0.46
Aug	0.06 (0.05)	0-0.17	0.82	0.17 (0.08)	0.02-0.31	0.46	0.23 (0.07)	0.1-0.37	0.31
Sep	0 (0)	0-0		0.02 (0.02)	0-0.05	0.76	0.07 (0.03)	0.01-0.14	0.48
Oct	0.06 (0.05)	0-0.17	0.82	0.19 (0.16)	0-0.57	0.84	0.16 (0.1)	0.01-0.39	0.63
Nov	0.74 (0.31)	0.17-1.36	0.42	0.75 (0.17)	0.44-1.09	0.22	1.06 (0.24)	0.63-1.56	0.22
Dec	0.94 (0.39)	0.28-1.71	0.41	0.96 (0.3)	0.42-1.55	0.31	0.94 (0.19)	0.62-1.33	0.20

Table 36. Five Estuaries South. Monthly density of Lesser black-backed gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0 (0)	0-0		0.07 (0.06)	0-0.21	0.85	0.09 (0.05)	0.03-0.2	0.49
Feb	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.80
Mar	0.05 (0.04)	0-0.16	0.79	0.02 (0.02)	0-0.05	0.78	0.01 (0.01)	0-0.03	0.78
Apr	0.06 (0.05)	0-0.17	0.82	0.56 (0.21)	0.17-1	0.37	0.54 (0.19)	0.24-0.88	0.35
May	0.11 (0.09)	0-0.34	0.82	0.1 (0.05)	0-0.19	0.55	0.07 (0.03)	0.01-0.12	0.47
Jun	0.63 (0.46)	0-1.73	0.73	5.73 (4.27)	0.19-15.79	0.74	4.79 (3.46)	0.3-12.95	0.72
Jul	0 (0)	0-0		0.24 (0.12)	0.05-0.5	0.49	0.26 (0.09)	0.09-0.42	0.35
Aug	1.83 (1.06)	0-4.23	0.58	1.83 (0.63)	0.66-3.09	0.35	1.28 (0.35)	0.7-2	0.27
Sep	0.17 (0.1)	0-0.41	0.59	0.57 (0.32)	0.1-1.1	0.55	0.79 (0.28)	0.25-1.36	0.36
Oct	0 (0)	0-0		0 (0)	0-0		0.03 (0.02)	0-0.07	0.79
Nov	0.06 (0.04)	0-0.17	0.8	0.07 (0.06)	0-0.17	0.78	0.06 (0.04)	0-0.11	0.67
Dec	0.11 (0.09)	0-0.33	0.85	0.07 (0.05)	0-0.16	0.68	0.05 (0.03)	0-0.11	0.58

Table 37. Five Estuaries South. Monthly density of Little gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.03	0.68
Feb	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	
Apr	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	
Jun	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	
Aug	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	
Oct	0 (0)	0-0		0.02 (0.02)	0-0.05	0.64	0.03 (0.01)	0-0.06	0.45
Nov	0 (0)	0-0		0.05 (0.03)	0-0.1	0.56	0.03 (0.02)	0-0.06	0.57
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 38. Five Estuaries South. Monthly density of Puffin recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	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	
May	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	
Jul	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	
Sep	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	
Nov	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.83
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 39. Five Estuaries South. Monthly density of Puffin (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	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	
May	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	
Jul	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	
Sep	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	
Nov	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.83
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 40. Five Estuaries South. Monthly density of Puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	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	
May	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	
Jul	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	
Sep	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	
Nov	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.83
Dec	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	

Table 41. Five Estuaries South. Monthly density of Razorbill recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0.33 (0.24)	0-0.89	0.73	0.83 (0.29)	0.28-1.38	0.34	0.88 (0.21)	0.47-1.29	0.24
Feb	2.24 (1.01)	0.55-4.38	0.45	1.98 (0.47)	1.14-2.89	0.24	2.3 (0.41)	1.54-3.09	0.18
Mar	2.13 (0.85)	0.62-3.82	0.4	1.44 (0.42)	0.67-2.27	0.29	1.93 (0.58)	0.93-2.99	0.3
Apr	0.11 (0.09)	0-0.34	0.79	0.15 (0.08)	0-0.31	0.53	0.14 (0.06)	0.03-0.26	0.46
May	0.23 (0.19)	0-0.68	0.82	0.14 (0.08)	0-0.29	0.56	0.12 (0.06)	0.03-0.23	0.46
Jun	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	
Aug	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.8
Sep	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct	0.22 (0.14)	0-0.5	0.62	0.91 (0.42)	0.17-1.8	0.46	0.8 (0.26)	0.34-1.32	0.32
Nov	1.47 (0.82)	0.11-3.16	0.56	1.53 (0.61)	0.49-2.72	0.4	1.16 (0.35)	0.53-1.86	0.3
Dec	0.83 (0.38)	0.17-1.55	0.45	1.36 (0.39)	0.66-2.19	0.29	1.84 (0.34)	1.2-2.54	0.19

Table 42. Five Estuaries South. Monthly density of Razorbill (including unidentified auks apportioned using identified auk ratios) recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0.33 (0.24)	0-0.89	0.73	0.93 (0.32)	0.32-1.54	0.34	0.95 (0.23)	0.51-1.39	0.24
Feb	2.57 (1.16)	0.61-5.04	0.45	2.21 (0.53)	1.26-3.24	0.24	2.58 (0.46)	1.73-3.47	0.18
Mar	2.19 (0.87)	0.64-3.91	0.4	1.48 (0.44)	0.69-2.35	0.3	2.03 (0.61)	0.98-3.14	0.3
Apr	0.11 (0.09)	0-0.34	0.79	0.15 (0.08)	0-0.31	0.53	0.14 (0.06)	0.03-0.26	0.46
May	0.23 (0.19)	0-0.68	0.82	0.14 (0.08)	0-0.29	0.56	0.12 (0.06)	0.03-0.23	0.46
Jun	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	
Aug	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.8
Sep	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct	0.22 (0.14)	0-0.5	0.62	0.94 (0.43)	0.17-1.85	0.46	0.87 (0.28)	0.38-1.43	0.32
Nov	1.64 (0.92)	0.12-3.52	0.56	1.7 (0.67)	0.54-3.02	0.4	1.3 (0.39)	0.59-2.08	0.3
Dec	0.88 (0.4)	0.18-1.64	0.45	1.6 (0.46)	0.77-2.57	0.29	2.16 (0.41)	1.39-3	0.19

Table 43. Five Estuaries South. Monthly density of Razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0.39 (0.28)	0-1.02	0.71	1.09 (0.38)	0.37-1.81	0.34	1.14 (0.27)	0.61-1.66	0.24
Feb	2.95 (1.33)	0.71-5.78	0.45	2.63 (0.63)	1.51-3.85	0.24	3.06 (0.54)	2.05-4.11	0.18
Mar	2.64 (1.05)	0.77-4.72	0.4	1.77 (0.52)	0.82-2.81	0.3	2.44 (0.73)	1.18-3.77	0.3
Apr	0.11 (0.09)	0-0.34	0.79	0.17 (0.09)	0-0.36	0.52	0.15 (0.07)	0.03-0.29	0.45
May	0.23 (0.19)	0-0.68	0.82	0.17 (0.09)	0-0.32	0.54	0.15 (0.07)	0.03-0.29	0.47
Jun	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	
Aug	0 (0)	0-0		0 (0)	0-0		0.01 (0.01)	0-0.04	0.8
Sep	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct	0.28 (0.17)	0-0.62	0.62	1.13 (0.52)	0.2-2.23	0.46	1.05 (0.33)	0.45-1.73	0.32
Nov	1.98 (1.11)	0.15-4.25	0.56	2.07 (0.82)	0.66-3.66	0.4	1.58 (0.48)	0.71-2.52	0.3
Dec	1.1 (0.5)	0.22-2.06	0.45	1.93 (0.56)	0.93-3.1	0.29	2.62 (0.5)	1.69-3.63	0.19

Table 44. Five Estuaries South. Monthly density of Red-throated diver recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	0 (0)	0-0		0 (0)	0-0		0.04 (0.01)	0.01-0.07	0.36
Feb	0.06 (0.05)	0-0.17	0.82	0.09 (0.05)	0-0.16	0.5	0.05 (0.03)	0-0.09	0.51
Mar	0 (0)	0-0		0.02 (0.02)	0-0.07	0.8	0.03 (0.02)	0-0.08	0.8
Apr	0 (0)	0-0		0 (0)	0-0		0.03 (0.02)	0-0.05	0.58
May	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	
Jul	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	
Sep	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	
Nov	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Dec	0 (0)	0-0		0.05 (0.04)	0-0.14	0.83	0.03 (0.02)	0-0.08	0.82

Table 45. Five Estuaries South. Monthly density of Sandwich tern recorded in flight and on the sea, S.D. and 95% confidence intervals, in the wind farm, wind farm and 2km buffer and wind farm and 4km buffer.

Month	Density								
	Wind farm			Wind farm & 2km buffer			Wind farm and 4km buffer		
	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV	Estimate (S.D.)	95% c.i.	CV
Jan	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	
Mar	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	
May	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	
Jul	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	
Sep	0 (0)	0-0		0 (0)	0-0		0 (0)	0-0	
Oct	0.06 (0.05)	0-0.17	0.82	0.02 (0.02)	0-0.07	0.86	0.01 (0.01)	0-0.04	0.82
Nov	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	



F I V E 
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