



Annex 11.2K: Abundance estimates per survey of sitting and flying birds

MachairWind Offshore Ornithology

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1.0 Introduction

1. This **Annex 11.2K: Abundance estimates per survey of sitting and flying birds** provides abundance estimates of all birds sat on the water and in flight (referred to as 'sitting and flying') in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer used to inform the baseline site characterisation for the Project.
2. Abundance estimates were calculated for 30 Digital Aerial Survey (DAS) samples (one sample is composed of one complete DAS survey per month) which are summarised in **Table 1**. The DAS samples were selected from Project DAS surveys and Third-Party DAS surveys; refer to **Technical Appendix 11.2: Baseline Site Characterisation** for an explanation of survey areas. It was agreed with NatureScot to use the 30 selected DAS samples presented to inform the baseline site characterisation for the Project (NatureScot letter dated 7 August 2025).
3. This **Annex 11.2K** provides abundance estimates of all birds sat on the water and in flight that were identified to species and birds assigned to a 'species group' as well as for the total number of birds calculated after species groups had been assigned to a specific species (for an explanation of apportioning birds to a species from a broader species group, refer to **Technical Appendix 11.2: Baseline Site Characterisation**). In addition, for guillemots, razorbills and puffins, abundance estimates include birds which were 'corrected' because they were under the water at the time of each DAS; 'corrected' guillemots, razorbills and puffins are added together with apportioned guillemots, razorbills and puffins to provide a total abundance estimate for each of these species (for an explanation of how guillemots, razorbills and puffins were 'corrected', refer to **Technical Appendix 11.2: Baseline Site Characterisation**).
4. In the table titles introducing **Table 2** to **Table 54**, birds with 'Apportioned' affixed to the species name are species which include apportioned birds. For example, 'Guillemot' refers to abundance estimates based solely on positively identified guillemots, whereas 'GuillemotApportioned' refers to abundance estimates derived from all positively identified guillemots plus individuals from apportioned species groups such as 'Auk Species' and 'Guillemot/Razorbill'. Similarly, 'Corrected' in table titles means that guillemot, razorbill and puffin abundance estimates are adjusted to account for birds under the water. For guillemot, razorbill and puffin, the 'ApportionedCorrected' tables provide the total abundance estimates for these species.



2.0 Abundance estimates

5. Abundance estimates for all species in the WDA, WDA plus 2 km buffer and WDA plus 4 km buffer in 30 DAS samples are presented in **Table 2** to **Table 54**. For an explanation of how abundance was calculated, refer to **Technical Appendix 11.2: Baseline Site Characterisation**.

Table 1: List of 30 digital aerial survey (DAS) samples recorded by the Project or Third-Party source. The survey date, survey number and a sample identification (ID) number is provided for each DAS sample.

Date of DAS survey	Project or Third-Party DAS (survey number)	ID sample number
21st March 2021	Third-Party (6)	1
20th April 2021	Project (1)	2
11th May 2021	Project (2)	3
12th June 2021	Project (3)	4
6th July 2021	Project (4)	5
14th August 2021	Project (5)	6
29th September 2021	Project (6)	7
22nd October 2021	Project (7)	8
23rd November 2021	Project (8)	9
15th December 2021	Third-Party (15)	10
20th January 2022	Project (9)	11
1st plus 4th March 2021 (proxy sample for February 2022)	Third-Party (5)	12
28th March 2022	Project (11)	13
24th April 2022	Project (12)	14
May 28th 2022	Project (13)	15
June 2022	No sample	N/A
27th July 2022	Project (15)	16
21st August 2022	Project (16)	17
13th September 2022	Project (17)	18
4th November 2022 (proxy sample for October 2022)	Project (18)	19
22nd November 2022	Project (19)	20
2nd December 2022	Project (20)	21
28th January 2023	Project (22)	22
24th February 2023	Project (23)	23
19th plus 23rd March 2023	Project (24)	24
22nd April 2023	Project (25)	25
13th May 2023	Project (26)	26



Date of DAS survey	Project or Third-Party DAS (survey number)	ID sample number
07th June 2023	Project (27)	27
21st July 2023	Project (28)	28
16th August 2023	Project (29)	29
06th September 2023	Project (30)	30



2.1 Arctic Skua

Table 2: Arctic Skua - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
15	18.57	18.41 (13.70)	0.00–49.53	0.74	17.99	18.36 (13.91)	0.00–47.97	0.76	19.01	19.19 (14.69)	0.00–57.02	0.77
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	6.16	6.11 (5.79)	0.00–18.47	0.95	5.97	6.28 (6.22)	0.00–18.07	0.99	6.30	6.26 (6.26)	0.00–18.91	1.00
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	6.33	6.39 (6.08)	0.00–19.00	0.95	6.17	6.27 (6.17)	0.00–18.52	0.98	6.49	6.60 (6.46)	0.00–19.48	0.98
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.2 Arctic Tern

Table 3: Arctic Tern - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		19.04	18.84 (15.20)	0.00–57.13	0.81
3	49.70	49.08 (16.69)	18.64–80.76	0.34	54.31	54.15 (19.59)	18.10–90.52	0.36	63.74	65.06 (21.53)	25.50–108.36	0.33
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		12.91	13.30 (13.37)	0.00–38.73	1.01
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	0.00	0.00 (0.00)	0.00–0.00		6.10	6.00 (6.01)	0.00–18.29	1.00	6.44	6.72 (6.48)	0.00–19.31	0.96
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	0.00	0.00 (0.00)	0.00–0.00		6.02	6.25 (5.96)	0.00–18.06	0.95	6.35	6.45 (6.27)	0.00–19.05	0.97
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.34	6.66 (6.39)	0.00–19.01	0.96
16	37.39	37.66 (20.69)	0.00–81.01	0.55	48.40	48.09 (21.80)	12.10–96.79	0.45	63.50	64.77 (24.91)	25.40–114.29	0.38



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	61.57	62.02 (28.68)	12.31–123.15	0.46	155.28	153.32 (65.98)	47.78–304.58	0.43	258.50	258.93 (100.93)	94.41–473.18	0.39
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		37.27	39.10 (28.48)	0.00–99.39	0.73	39.21	39.06 (30.03)	0.00–111.09	0.77
27	6.33	6.33 (6.59)	0.00–19.00	1.04	6.17	6.12 (6.17)	0.00–18.52	1.01	12.98	13.36 (9.34)	0.00–32.46	0.70
28	12.77	12.54 (10.34)	0.00–38.32	0.82	30.94	30.61 (17.69)	0.00–68.06	0.58	32.63	31.68 (18.81)	0.00–78.31	0.59
29	32.31	31.58 (22.07)	0.00–84.00	0.70	31.29	30.74 (21.86)	0.00–81.36	0.71	66.10	64.01 (30.28)	13.22–132.20	0.47
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Table 4: ArcticTernApportioned - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		19.04	18.84 (15.20)	0.00–57.13	0.81
3	111.83	111.54 (29.20)	55.91–167.74	0.26	120.70	120.22 (33.55)	60.35–187.08	0.28	178.48	180.50 (45.97)	95.61–274.09	0.25
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		12.91	13.30 (13.37)	0.00–38.73	1.01
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	5.66	5.56 (2.28)	1.87–10.07	0.41	14.63	14.61 (6.77)	4.27–29.87	0.46	16.09	16.23 (7.24)	5.15–32.83	0.45
7	12.27	11.70 (8.28)	0.00–30.67	0.71	11.97	12.04 (8.62)	0.00–29.93	0.72	12.64	12.12 (8.80)	0.00–31.60	0.73
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	3.10	3.25 (3.08)	0.00–9.29	0.95	9.03	9.15 (6.63)	0.00–24.07	0.72	19.05	19.11 (11.72)	0.00–44.53	0.61
15	6.19	6.28 (6.23)	0.00–18.57	0.99	6.00	5.95 (5.69)	0.00–17.99	0.96	12.67	12.73 (8.64)	0.00–31.68	0.68
16	69.43	70.11 (32.69)	12.46–141.56	0.47	84.69	85.35 (31.01)	29.38–149.51	0.36	101.59	103.19 (34.66)	37.19–170.58	0.34
17	147.78	147.00 (39.12)	73.89–221.82	0.27	298.61	298.70 (75.12)	173.19–459.86	0.25	416.12	416.42 (108.66)	226.97–649.39	0.26
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		62.12	63.46 (37.69)	0.00–149.09	0.59	65.35	65.30 (39.20)	0.00–150.30	0.60
27	6.33	6.33 (6.59)	0.00–19.00	1.04	6.17	6.12 (6.17)	0.00–18.52	1.01	12.98	13.36 (9.34)	0.00–32.46	0.70
28	38.32	38.24 (27.46)	0.00–102.20	0.72	55.69	55.66 (30.96)	6.19–123.75	0.56	58.73	57.68 (32.04)	6.53–130.52	0.56
29	32.31	31.58 (22.07)	0.00–84.00	0.70	31.29	30.74 (21.86)	0.00–81.36	0.71	66.10	64.01 (30.28)	13.22–132.20	0.47
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.3 Auk species

Table 5: Auk species - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	176.41	176.48 (32.85)	113.41–239.42	0.19	235.41	235.36 (36.17)	168.15–309.40	0.15	359.61	360.66 (47.72)	267.94–458.32	0.13
2	18.54	18.60 (10.45)	0.00–43.27	0.56	18.07	18.10 (10.25)	0.00–42.16	0.57	25.39	24.72 (12.29)	6.35–50.78	0.50
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.37	6.03 (6.27)	0.00–19.12	1.04
4	44.05	44.05 (12.92)	18.88–69.22	0.29	67.30	67.56 (17.35)	36.71–104.01	0.26	77.46	78.09 (19.91)	45.19–116.20	0.25
5	92.89	91.53 (33.25)	37.16–161.17	0.36	109.08	109.92 (33.21)	54.54–181.80	0.30	154.08	155.53 (43.25)	77.04–243.96	0.28
6	37.70	37.89 (14.21)	12.57–69.12	0.38	67.05	67.22 (17.56)	36.57–103.63	0.26	109.43	108.90 (34.97)	51.50–186.68	0.32
7	18.40	18.59 (12.12)	0.00–42.94	0.65	23.94	23.79 (13.36)	0.00–53.87	0.56	37.92	38.60 (16.48)	12.64–75.84	0.43
8	12.50	12.77 (5.84)	0.00–24.99	0.46	12.16	12.32 (6.00)	0.00–24.32	0.49	12.81	12.65 (7.11)	0.00–25.63	0.56
9	25.56	26.26 (16.04)	0.00–63.91	0.61	24.84	24.57 (14.85)	0.00–55.89	0.60	32.81	34.15 (18.07)	6.56–72.17	0.53
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.12	6.38 (6.23)	0.00–18.37	0.98
12	70.92	70.41 (32.03)	12.89–135.39	0.45	96.07	96.15 (38.34)	27.45–178.41	0.40	122.20	121.13 (44.03)	50.14–215.64	0.36
13	116.08	114.77 (38.10)	45.14–193.47	0.33	144.03	144.77 (41.78)	68.88–231.70	0.29	191.40	194.28 (47.62)	105.60–290.40	0.25
14	30.96	31.64 (16.86)	0.00–68.11	0.53	36.11	36.80 (16.51)	6.02–72.22	0.45	38.10	38.51 (17.49)	12.70–76.20	0.45
15	12.38	12.09 (8.67)	0.00–30.96	0.72	11.99	12.03 (8.32)	0.00–29.98	0.69	12.67	12.52 (9.27)	0.00–31.68	0.74
16	348.95	347.59 (63.22)	236.79–479.80	0.18	556.56	558.11 (101.31)	374.92–768.44	0.18	742.91	746.75 (112.81)	539.72–977.85	0.15



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	24.63	24.62 (7.96)	12.31–36.94	0.32	53.75	54.45 (16.25)	23.89–83.61	0.30	63.05	63.45 (19.04)	31.52–100.88	0.30
18	18.15	18.38 (10.73)	0.00–42.35	0.58	17.75	18.06 (10.28)	0.00–41.42	0.57	31.36	31.60 (15.93)	6.27–68.99	0.50
19	22.46	22.44 (11.60)	0.00–44.92	0.52	49.09	49.89 (22.45)	10.91–103.63	0.45	63.25	62.26 (24.76)	23.00–115.01	0.40
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	6.24	6.21 (6.10)	0.00–18.71	0.98	48.52	48.21 (29.37)	6.07–115.24	0.61	51.11	51.11 (32.15)	6.39–121.38	0.63
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.40	6.51 (6.26)	0.00–19.21	0.96
23	43.05	42.30 (18.73)	12.30–86.09	0.44	53.64	52.68 (19.36)	17.88–95.36	0.37	94.20	95.59 (27.15)	50.24–150.73	0.28
24	31.45	32.14 (13.45)	6.29–62.91	0.42	85.60	86.67 (24.69)	42.80–134.51	0.28	90.08	89.54 (26.38)	38.61–141.56	0.29
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	44.69	44.78 (16.81)	12.77–76.62	0.38	74.54	74.66 (22.03)	37.27–124.24	0.30	104.56	104.29 (25.90)	58.65–156.84	0.25
27	6.33	6.35 (5.87)	0.00–19.00	0.92	18.52	18.56 (12.24)	0.00–43.21	0.66	25.97	26.48 (15.29)	0.00–58.43	0.58
28	70.26	69.98 (25.08)	25.55–121.36	0.36	105.19	106.24 (33.02)	49.50–179.44	0.31	156.62	156.42 (41.52)	84.84–241.46	0.27
29	25.85	25.95 (12.85)	6.46–51.69	0.50	50.07	50.40 (22.97)	12.52–100.14	0.46	66.10	64.96 (23.65)	26.44–112.37	0.36
30	31.96	32.31 (13.16)	12.78–57.68	0.41	37.23	36.78 (14.31)	12.41–68.26	0.39	52.30	51.95 (17.44)	19.61–84.99	0.34



2.4 Auk/Shearwater species

Table 6: Auk/Shearwater species - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		12.70	12.36 (8.78)	0.00–31.74	0.71
3	62.13	62.96 (22.15)	24.85–111.83	0.35	90.52	90.64 (25.04)	48.28–144.84	0.28	95.61	95.45 (26.95)	44.62–152.98	0.28
4	81.81	82.09 (15.71)	50.34–113.27	0.19	104.01	103.37 (19.56)	67.30–140.72	0.19	154.93	155.36 (27.23)	103.29–213.03	0.18
5	37.16	36.97 (17.17)	6.19–74.31	0.46	66.66	67.15 (23.99)	24.24–121.20	0.36	77.04	77.81 (25.93)	32.10–134.82	0.33
6	25.14	24.88 (9.28)	6.28–43.99	0.37	36.57	36.89 (12.81)	12.19–60.96	0.35	70.81	70.26 (18.66)	32.19–102.99	0.27
7	6.13	6.02 (5.87)	0.00–18.40	0.98	11.97	11.80 (8.37)	0.00–29.93	0.71	18.96	18.75 (11.09)	0.00–44.24	0.59
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	1,038.29	1038.73 (103.62)	838.37–1244.66	0.10	1,352.63	1350.59 (146.21)	1064.57–1634.43	0.11	1,801.78	1804.23 (199.68)	1418.98–2211.30	0.11
14	6.19	6.26 (5.06)	0.00–18.58	0.81	12.04	12.42 (6.51)	0.00–24.07	0.52	25.40	25.50 (10.42)	6.35–44.45	0.41
15	49.53	48.94 (17.61)	18.57–86.68	0.36	59.96	59.78 (20.09)	23.98–101.93	0.34	88.69	89.19 (29.62)	38.01–152.04	0.33
16	143.32	145.53 (56.68)	43.62–267.94	0.39	284.33	284.54 (77.99)	139.14–441.62	0.27	349.23	348.09 (93.50)	177.79–546.23	0.27



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	43.10	43.18 (17.67)	12.31–80.05	0.41	53.75	52.38 (20.56)	17.92–95.55	0.39	69.35	70.48 (24.98)	25.22–126.10	0.35
18	24.20	24.32 (12.05)	6.05–48.40	0.50	35.50	35.02 (14.19)	11.83–65.08	0.41	37.63	36.87 (15.43)	6.27–68.99	0.42
19	0.00	0.00 (0.00)	0.00–0.00		10.91	10.68 (7.80)	0.00–27.27	0.73	17.25	16.89 (10.02)	0.00–40.25	0.59
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		5.96	5.74 (4.22)	0.00–11.92	0.74	12.56	12.56 (7.65)	0.00–31.40	0.61
24	157.27	156.63 (57.24)	62.91–276.79	0.37	269.02	271.00 (70.38)	140.62–421.86	0.26	289.55	294.70 (85.39)	141.40–457.01	0.29
25	70.47	70.38 (25.64)	25.62–128.12	0.36	118.29	117.06 (30.81)	62.26–180.55	0.26	170.33	170.81 (44.56)	85.17–255.50	0.26
26	31.92	32.70 (16.11)	6.38–63.85	0.49	68.33	67.01 (19.70)	31.06–105.60	0.29	104.56	105.89 (26.06)	58.81–163.37	0.25
27	44.34	45.33 (16.94)	18.84–82.35	0.37	61.73	61.39 (18.91)	30.86–104.94	0.31	110.37	111.81 (35.16)	51.94–181.79	0.31
28	312.98	311.01 (64.53)	185.23–447.11	0.21	488.83	490.88 (80.58)	340.32–655.90	0.16	672.17	673.42 (103.18)	476.39–887.69	0.15
29	19.39	18.63 (18.60)	0.00–58.16	1.00	25.04	24.83 (20.91)	0.00–75.11	0.84	46.27	46.16 (23.56)	6.61–92.54	0.51
30	57.52	57.44 (18.24)	25.57–89.48	0.32	55.85	55.57 (23.39)	12.41–105.49	0.42	65.38	64.72 (26.58)	19.61–117.68	0.41



2.5 Black-headed Gull

Table 7: Black-headed Gull - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
2	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
3	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
4	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
5	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
6	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
7	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
8	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
9	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
10	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
11	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
12	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
13	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
14	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
15	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
16	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
Survey	WDA				WDA + 2 km				WDA + 4 km			
	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
18	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
19	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
20	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
21	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
22	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
23	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
24	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
25	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
26	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
27	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
28	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
29	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
30	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	



Table 8: BlackHeadedGullApportioned - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
2	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
3	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
4	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
5	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
6	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
7	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
8	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
9	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
10	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
11	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
12	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
13	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
14	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
15	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
16	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
17	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
18	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
19	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
20	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
21	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
22	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
23	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
24	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
25	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
26	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
27	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
28	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
29	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
30	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	



2.6 Black Guillemot

Table 9: Black Guillemot - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
2	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
3	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
4	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
5	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
6	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
7	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
8	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
9	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
10	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
11	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
12	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
13	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
14	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
15	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
16	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
18	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
19	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
20	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
21	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
22	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
23	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
24	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
25	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
26	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
27	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
28	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
29	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
30	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	



2.7 Commic Tern

Table 10: Commic Tern - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	62.13	62.46 (23.85)	18.64–111.83	0.38	66.38	66.08 (26.67)	18.10–120.70	0.40	114.74	115.44 (40.13)	38.25–197.60	0.35
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	56.56	55.63 (22.81)	18.70–100.70	0.41	85.34	86.15 (29.09)	36.57–146.30	0.34	96.56	95.13 (32.50)	38.62–160.93	0.34
7	12.27	11.70 (8.28)	0.00–30.67	0.71	11.97	12.04 (8.62)	0.00–29.93	0.72	12.64	12.12 (8.80)	0.00–31.60	0.73
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	6.19	6.51 (6.15)	0.00–18.58	0.94	6.02	5.78 (5.89)	0.00–18.06	1.02	25.40	25.34 (20.47)	0.00–69.85	0.81
15	6.19	6.28 (6.23)	0.00–18.57	0.99	6.00	5.95 (5.69)	0.00–17.99	0.96	6.34	6.08 (5.96)	0.00–19.01	0.98
16	37.39	37.86 (27.52)	0.00–99.70	0.73	42.35	43.46 (26.82)	5.90–102.84	0.62	44.45	44.82 (29.36)	0.00–107.94	0.66



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	86.20	84.98 (26.47)	36.94–135.46	0.31	143.33	145.39 (36.12)	71.67–215.00	0.25	157.62	157.49 (40.28)	81.96–239.58	0.26
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		24.85	24.35 (24.07)	0.00–74.54	0.99	26.14	26.24 (25.49)	0.00–78.42	0.97
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	25.55	25.70 (25.54)	0.00–76.65	0.99	24.75	25.05 (24.69)	0.00–74.25	0.99	26.10	26.00 (25.70)	0.00–78.31	0.99
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.8 Common Gull

Table 11: Common Gull - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	6.39	6.58 (6.34)	0.00–19.17	0.96	31.05	30.74 (19.90)	0.00–80.73	0.65	39.37	38.42 (22.75)	6.56–91.86	0.59
10	12.71	13.05 (8.96)	0.00–31.79	0.69	13.54	13.14 (9.57)	0.00–33.84	0.73	14.31	14.72 (10.00)	0.00–35.77	0.68
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	0.00	0.00 (0.00)	0.00–0.00		6.02	6.13 (5.93)	0.00–18.06	0.97	6.35	6.34 (6.40)	0.00–19.05	1.01
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		5.45	5.54 (5.49)	0.00–16.36	0.99	5.75	5.60 (5.62)	0.00–17.25	1.00
20	0.00	0.00 (0.00)	0.00–0.00		6.07	6.16 (5.39)	0.00–18.22	0.87	38.36	39.09 (21.18)	6.39–89.50	0.54
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	6.24	6.10 (6.06)	0.00–18.73	0.99	6.07	6.29 (5.94)	0.00–18.22	0.94	6.40	6.20 (6.36)	0.00–19.21	1.03
23	24.60	24.54 (9.67)	6.15–43.05	0.39	29.80	29.49 (10.64)	11.92–53.64	0.36	31.40	30.89 (12.31)	6.28–56.52	0.40
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.43	6.65 (6.50)	0.00–19.30	0.98
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Table 12: CommonGullApportioned - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	6.39	6.58 (6.34)	0.00–19.17	0.96	31.17	30.87 (19.91)	0.12–80.73	0.64	39.57	38.62 (22.75)	6.60–91.86	0.59
10	12.71	13.05 (8.96)	0.00–31.79	0.69	13.54	13.14 (9.57)	0.00–33.84	0.73	14.31	14.72 (10.00)	0.00–35.77	0.68
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	0.00	0.00 (0.00)	0.00–0.00		6.02	6.13 (5.93)	0.00–18.06	0.97	6.35	6.34 (6.40)	0.00–19.05	1.01
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
19	0.00	0.00 (0.00)	0.00–0.00		5.45	5.55 (5.49)	0.00–16.38	0.99	5.76	5.60 (5.62)	0.00–17.26	1.00
20	0.00	0.00 (0.00)	0.00–0.00		6.07	6.16 (5.39)	0.00–18.22	0.87	38.36	39.09 (21.18)	6.39–89.50	0.54
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	6.24	6.10 (6.06)	0.00–18.73	0.99	6.07	6.29 (5.94)	0.00–18.22	0.94	6.40	6.20 (6.36)	0.00–19.21	1.03
23	24.64	24.59 (9.67)	6.20–43.09	0.39	29.85	29.53 (10.64)	11.92–53.64	0.36	31.50	30.99 (12.32)	6.42–56.66	0.40
24	0.03	0.03 (0.03)	0.00–0.08	1.00	0.03	0.03 (0.03)	0.00–0.08	1.00	6.46	6.68 (6.50)	0.00–19.39	0.97
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.03	0.03 (0.03)	0.00–0.10	1.00	0.04	0.04 (0.04)	0.00–0.11	1.00
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.9 Common Tern

Table 13: Common Tern - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.46	6.47 (6.67)	0.00–25.82	1.03
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	50.27	50.62 (49.20)	0.00–150.82	0.97	48.77	50.08 (49.72)	0.00–146.30	0.99	51.50	52.68 (50.81)	0.00–154.49	0.96
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	6.19	6.48 (6.32)	0.00–18.58	0.98	6.02	5.83 (5.89)	0.00–18.06	1.01	6.35	6.79 (6.49)	0.00–19.05	0.96
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	6.23	6.46 (6.14)	0.00–18.69	0.95	12.10	12.23 (8.60)	0.00–30.25	0.70	12.70	13.39 (8.86)	0.00–31.75	0.66



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Table 14: CommonTernApportioned - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.46	6.47 (6.67)	0.00–25.82	1.03
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	101.17	100.69 (52.30)	22.62–218.68	0.52	125.57	127.62 (54.90)	38.40–250.66	0.43	138.40	138.30 (59.85)	46.35–276.15	0.43
7	12.27	11.70 (8.28)	0.00–30.67	0.71	11.97	12.04 (8.62)	0.00–29.93	0.72	12.64	12.12 (8.80)	0.00–31.60	0.73
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	9.29	9.73 (7.09)	0.00–24.77	0.73	9.03	8.72 (6.54)	0.00–24.07	0.75	19.05	19.46 (11.85)	0.00–44.53	0.61
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	11.57	11.86 (7.32)	0.00–28.49	0.62	18.15	18.44 (9.23)	2.59–38.89	0.50	19.05	19.79 (9.67)	2.70–41.73	0.49
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.10 Cormorant/Shag

Table 15: Cormorant/Shag - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		7.19	7.18 (7.06)	0.00–21.56	0.98
13	6.45	6.49 (6.33)	0.00–19.35	0.98	6.26	6.45 (6.08)	0.00–18.79	0.94	6.60	6.47 (6.47)	0.00–19.80	1.00
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		12.79	12.84 (12.56)	0.00–38.36	0.98
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		19.17	19.38 (18.54)	0.00–57.50	0.96
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.11 Diver species

Table 16: Diver species - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	6.3	6.38 (6.44)	0.00–18.90	1.01	6.73	6.48 (6.39)	0.00–20.18	0.99	14.1	14.07 (10.01)	0.00–35.26	0.71
2	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
3	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
4	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
5	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
6	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
7	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
8	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
9	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
10	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
11	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
12	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
13	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
14	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
15	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
16	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
18	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
19	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
20	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
21	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
22	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
23	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
24	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
25	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
26	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
27	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
28	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
29	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
30	0.0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	



2.12 Dunlin

Table 17: Dunlin - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
2	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
3	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
4	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
5	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
6	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
7	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
8	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
9	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
10	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
11	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
12	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
13	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
14	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
15	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
16	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
Survey	WDA				WDA + 2 km				WDA + 4 km			
	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
18	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
19	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
20	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
21	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
22	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
23	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
24	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
25	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
26	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
27	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
28	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
29	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
30	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	



2.13 European Storm-petrel

Table 18: European Storm-petrel Apportioned - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	12.59	12.79 (8.83)	0.00–31.47	0.69	12.24	12.21 (8.64)	0.00–30.59	0.71	45.19	45.13 (33.03)	0.00–122.65	0.73
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	37.39	36.85 (14.73)	12.46–68.54	0.40	84.69	83.49 (23.42)	42.35–133.09	0.28	101.59	101.28 (27.41)	50.80–158.74	0.27



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.00	0.00 (0.00)	0.00–0.00		23.89	25.08 (23.82)	0.00–71.67	0.95	25.22	24.31 (25.34)	0.00–75.66	1.04
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	6.33	6.52 (5.00)	0.00–19.00	0.77	18.52	17.95 (11.46)	0.00–37.04	0.64	25.97	25.63 (14.34)	0.00–58.43	0.56
28	102.20	101.29 (29.32)	44.71–159.68	0.29	191.82	190.94 (41.18)	111.38–278.45	0.22	228.41	227.45 (50.24)	136.88–326.30	0.22
29	0.00	0.00 (0.00)	0.00–0.00		18.78	18.66 (9.56)	0.00–37.55	0.51	125.59	126.50 (42.03)	52.88–211.52	0.33
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.14 Fulmar

Table 19: Fulmar - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	25.20	24.80 (10.30)	6.30–44.10	0.42	60.53	59.71 (16.86)	26.90–94.16	0.28	84.61	83.79 (19.81)	49.36–126.92	0.24
2	6.18	5.96 (6.05)	0.00–18.54	1.02	6.02	6.27 (6.14)	0.00–18.07	0.98	6.35	6.67 (6.46)	0.00–19.04	0.97
3	49.70	49.64 (18.35)	18.64–86.98	0.37	54.31	54.24 (19.10)	18.10–96.56	0.35	63.74	64.73 (21.89)	25.50–108.36	0.34
4	6.29	6.53 (6.50)	0.00–19.04	1.00	6.12	6.22 (6.20)	0.00–18.35	1.00	12.91	13.04 (9.34)	0.00–32.28	0.72
5	30.96	30.80 (11.46)	12.39–55.74	0.37	36.36	36.06 (9.59)	18.18–54.54	0.27	44.94	44.95 (12.20)	25.52–70.62	0.27
6	37.70	37.86 (16.85)	6.28–69.12	0.45	97.53	98.36 (25.61)	54.71–152.39	0.26	115.87	109.57 (29.64)	57.93–167.37	0.27
7	6.13	6.13 (6.24)	0.00–18.40	1.02	11.97	12.02 (8.69)	0.00–29.93	0.72	12.64	12.31 (8.76)	0.00–31.60	0.71
8	12.50	12.72 (9.02)	0.00–31.24	0.71	12.16	11.83 (8.27)	0.00–30.40	0.70	12.81	13.05 (8.90)	0.00–32.04	0.68
9	57.52	57.68 (14.48)	31.95–83.08	0.25	86.93	88.02 (22.10)	49.68–130.40	0.25	104.98	104.60 (26.69)	59.05–157.47	0.26
10	50.86	50.29 (10.00)	31.79–69.93	0.20	81.23	81.03 (17.45)	47.38–115.07	0.22	107.30	107.54 (20.10)	64.38–150.22	0.19
11	200.61	203.21 (108.56)	35.40–448.43	0.53	202.95	204.67 (114.27)	40.59–475.47	0.56	275.62	277.15 (119.08)	98.00–551.39	0.43
12	12.89	12.94 (9.42)	0.00–32.23	0.73	27.45	28.17 (17.25)	0.00–68.62	0.61	28.75	28.67 (17.14)	0.00–64.69	0.60
13	19.35	19.73 (12.49)	0.00–45.14	0.63	25.05	25.67 (13.63)	0.00–56.36	0.53	52.80	51.68 (17.08)	19.80–85.80	0.33
14	12.38	11.95 (8.67)	0.00–30.96	0.73	12.04	11.83 (8.36)	0.00–30.09	0.71	25.40	25.74 (12.93)	6.35–50.80	0.50
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.34	5.92 (5.99)	0.00–19.01	1.01
16	43.62	43.49 (19.84)	6.23–81.01	0.46	120.99	120.01 (46.88)	42.35–223.83	0.39	126.99	127.55 (47.32)	44.45–228.59	0.37



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	36.94	37.21 (13.42)	12.31–61.57	0.36	41.81	41.75 (15.24)	11.94–71.67	0.37	69.35	69.45 (20.98)	31.52–113.49	0.30
18	30.25	29.11 (14.58)	6.05–60.50	0.50	88.75	89.18 (49.12)	17.75–201.16	0.55	112.90	115.02 (54.74)	37.63–238.34	0.48
19	5.61	5.59 (4.97)	0.00–16.84	0.89	98.18	99.54 (66.03)	10.91–250.89	0.66	149.51	154.95 (73.41)	46.00–316.26	0.47
20	12.49	12.34 (8.55)	0.00–31.23	0.69	18.22	18.87 (10.68)	0.00–42.51	0.57	19.18	19.26 (10.97)	0.00–44.75	0.57
21	12.47	11.94 (8.98)	0.00–31.18	0.75	12.13	12.06 (8.65)	0.00–30.33	0.72	12.78	12.71 (9.14)	0.00–31.94	0.72
22	37.45	35.81 (16.48)	6.24–74.91	0.46	42.51	41.82 (18.14)	12.15–78.95	0.43	51.23	50.77 (19.09)	19.05–89.65	0.38
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	50.33	50.07 (17.49)	18.87–88.07	0.35	73.37	74.02 (20.85)	36.68–116.17	0.28	115.82	115.96 (26.57)	64.35–167.30	0.23
25	12.81	13.18 (8.62)	0.00–32.03	0.65	12.45	12.23 (8.38)	0.00–31.13	0.69	45.86	46.85 (15.57)	19.65–78.61	0.33
26	51.08	51.33 (19.64)	19.15–95.77	0.38	49.70	49.99 (19.25)	18.64–93.18	0.39	58.81	58.66 (21.49)	19.60–104.56	0.37
27	31.67	31.53 (11.11)	12.67–57.01	0.35	43.21	43.12 (12.72)	18.52–67.90	0.29	51.94	51.21 (15.47)	25.97–84.40	0.30
28	57.49	58.26 (20.67)	19.16–102.20	0.35	68.06	68.62 (22.45)	30.94–117.57	0.33	117.47	117.88 (36.12)	52.21–195.94	0.31
29	45.23	45.87 (16.60)	12.92–84.00	0.36	43.81	44.14 (16.70)	12.52–81.36	0.38	46.27	45.34 (16.87)	13.22–79.32	0.37
30	0.00	0.00 (0.00)	0.00–0.00		6.21	6.23 (6.24)	0.00–18.62	1.00	6.54	6.64 (6.36)	0.00–19.61	0.96



2.15 Fulmar/Gull species

Table 20: Fulmar/Gull species - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	6.24	6.06 (6.05)	0.00–18.73	1	6.07	6.13 (6.02)	0.00–18.22	0.98	6.40	5.94 (6.14)	0.00–19.21	1.03
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		12.56	12.08 (11.91)	0.00–37.68	0.99
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.16 Gannet

Table 21: Gannet - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	18.90	18.91 (10.81)	0.00–44.10	0.57	20.18	20.18 (11.96)	0.00–47.08	0.59	21.15	20.76 (12.28)	0.00–49.36	0.59
2	43.27	42.90 (16.83)	12.36–80.35	0.39	78.30	78.21 (22.09)	36.14–120.46	0.28	177.74	180.69 (42.20)	101.57–266.61	0.23
3	99.40	98.25 (41.73)	31.06–186.38	0.42	156.91	157.91 (48.24)	78.45–265.54	0.31	197.60	199.98 (51.12)	108.36–305.96	0.26
4	69.22	70.05 (40.87)	12.59–157.33	0.58	128.48	128.30 (45.01)	55.06–220.41	0.35	225.94	229.57 (74.34)	83.92–380.87	0.32
5	365.38	359.40 (71.54)	235.33–501.62	0.20	460.57	459.16 (76.18)	321.19–612.07	0.17	545.69	546.59 (88.06)	378.61–719.03	0.16
6	157.10	138.66 (34.65)	75.41–207.53	0.25	207.26	205.11 (44.50)	115.82–298.69	0.22	270.36	269.34 (50.47)	173.80–366.92	0.19
7	110.41	109.47 (31.62)	55.05–171.90	0.29	125.71	127.66 (34.06)	65.85–197.54	0.27	132.73	132.95 (38.04)	63.20–208.73	0.29
8	31.24	32.03 (15.43)	6.25–68.73	0.48	36.48	36.45 (16.29)	12.16–72.96	0.45	89.70	91.11 (38.38)	32.04–172.99	0.42
9	19.17	19.01 (10.78)	0.00–44.74	0.57	93.14	95.21 (65.89)	12.42–248.54	0.69	164.03	163.61 (68.69)	59.05–321.50	0.42
10	19.07	18.88 (11.84)	0.00–44.50	0.63	20.31	20.18 (12.75)	0.00–47.38	0.63	21.46	21.47 (14.12)	0.00–50.07	0.66
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		7.19	7.27 (7.05)	0.00–21.56	0.97
13	45.14	44.68 (20.15)	12.74–90.29	0.45	93.93	94.48 (31.79)	37.57–162.82	0.34	125.40	126.63 (37.73)	59.40–211.20	0.30
14	297.21	295.93 (81.88)	148.60–464.39	0.28	607.87	611.44 (269.13)	216.66–1221.75	0.44	749.30	755.36 (306.99)	298.45–1473.36	0.41
15	538.67	533.06 (154.47)	297.04–866.83	0.29	689.55	692.67 (160.32)	437.57–1031.48	0.23	798.22	794.87 (161.21)	532.14–1165.81	0.20
16	31.16	32.15 (17.23)	6.23–68.70	0.54	54.45	54.82 (21.35)	18.15–102.84	0.39	63.50	64.67 (23.23)	25.40–114.29	0.36



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	221.66	227.85 (86.64)	80.05–412.54	0.38	238.89	233.70 (84.44)	101.38–424.02	0.36	258.50	260.92 (94.67)	107.18–460.41	0.36
18	90.75	91.14 (23.75)	48.40–145.20	0.26	177.50	178.55 (33.00)	118.33–248.50	0.18	225.79	226.33 (38.21)	156.80–301.21	0.17
19	50.53	50.51 (35.87)	0.00–129.14	0.71	141.81	143.94 (72.42)	21.82–299.98	0.50	172.51	172.47 (81.81)	28.75–356.52	0.47
20	6.25	6.31 (5.90)	0.00–18.74	0.94	12.15	12.47 (8.59)	0.00–30.37	0.69	12.79	12.96 (9.28)	0.00–31.96	0.72
21	6.24	6.40 (6.24)	0.00–18.71	0.98	6.07	6.14 (6.33)	0.00–24.26	1.03	6.39	6.41 (6.30)	0.00–19.17	0.98
22	12.48	12.32 (8.64)	0.00–31.21	0.70	18.22	17.65 (10.19)	0.00–42.51	0.58	25.61	26.18 (13.39)	6.40–51.23	0.51
23	129.14	129.80 (44.39)	49.19–221.38	0.34	184.77	187.98 (50.31)	95.21–292.05	0.27	383.10	384.18 (105.06)	200.97–615.63	0.27
24	56.62	56.63 (23.53)	18.87–106.94	0.42	110.05	112.00 (50.12)	24.46–220.10	0.45	128.69	128.98 (58.06)	32.17–250.95	0.45
25	44.84	44.44 (18.71)	12.81–83.28	0.42	112.06	112.56 (34.70)	49.81–186.77	0.31	131.02	133.65 (39.84)	58.96–216.19	0.30
26	51.08	50.49 (23.82)	12.77–102.16	0.47	68.33	68.27 (25.74)	24.85–124.24	0.38	84.95	86.61 (29.86)	39.21–150.30	0.34
27	297.71	297.55 (69.08)	183.69–449.74	0.23	370.36	371.91 (73.42)	234.56–512.34	0.20	512.90	515.76 (87.11)	357.08–688.36	0.17
28	38.32	38.20 (12.36)	12.77–63.87	0.32	74.25	73.86 (35.28)	18.56–154.69	0.48	91.36	90.95 (42.47)	26.10–182.89	0.47
29	135.70	135.34 (24.77)	90.30–187.39	0.18	156.47	159.00 (38.40)	87.62–237.83	0.24	198.30	201.27 (48.57)	105.59–297.45	0.24
30	294.01	292.70 (61.06)	178.96–415.44	0.21	384.74	384.07 (70.39)	248.22–533.68	0.18	503.41	507.54 (75.25)	366.11–660.47	0.15



2.17 Golden Plover

Table 22: Golden Plover - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
17	6.16	6.10 (6.16)	0.00–18.47	1.01	5.97	5.74 (5.87)	0.00–17.92	1.02	6.3	5.98 (6.10)	0.00–18.91	1.02
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	



2.18 Great Black-backed Gull

Table 23: Great Black-backed Gull - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	6.19	6.35 (6.33)	0.00–18.73	1.00	6.06	6.22 (6.20)	0.00–18.18	1.00	6.42	6.61 (6.32)	0.00–19.26	0.96
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	63.91	64.01 (22.26)	25.56–108.64	0.35	273.22	273.58 (131.22)	74.52–558.87	0.48	610.20	612.73 (204.69)	249.33–1036.85	0.33
10	101.72	102.05 (30.78)	44.50–159.09	0.30	135.38	134.52 (36.21)	67.69–203.06	0.27	207.45	209.43 (47.86)	121.61–307.60	0.23
11	59.00	57.09 (37.38)	0.00–135.86	0.65	75.38	73.52 (40.42)	0.00–156.56	0.55	79.62	78.46 (43.70)	0.00–171.50	0.56
12	6.45	6.28 (6.16)	0.00–19.34	0.98	27.45	27.45 (19.11)	0.00–68.62	0.70	136.57	139.34 (92.02)	14.38–366.59	0.66
13	12.90	12.96 (8.87)	0.00–32.24	0.68	12.52	12.61 (8.80)	0.00–31.31	0.70	13.20	12.95 (9.47)	0.00–33.00	0.73
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		12.70	13.02 (9.29)	0.00–31.75	0.71
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	11.23	11.04 (6.05)	0.00–22.46	0.55	38.18	38.65 (12.92)	16.36–65.45	0.33	40.25	40.15 (13.57)	17.25–69.00	0.34
20	6.25	6.06 (5.88)	0.00–18.74	0.97	18.22	17.96 (10.61)	0.00–42.51	0.59	25.57	24.80 (12.52)	6.39–51.14	0.50
21	24.95	24.69 (12.62)	0.00–49.89	0.51	30.33	29.94 (13.29)	6.07–54.59	0.44	51.11	51.49 (18.15)	19.17–89.44	0.35
22	31.21	30.55 (17.88)	0.00–68.67	0.59	30.37	30.61 (17.69)	0.00–72.88	0.58	64.03	64.00 (33.38)	6.40–134.63	0.52
23	55.34	55.58 (27.92)	6.15–110.69	0.50	77.48	76.46 (28.90)	23.84–137.08	0.38	113.05	112.65 (38.64)	43.96–200.97	0.34
24	0.00	0.00 (0.00)	0.00–0.00		12.23	12.30 (8.36)	0.00–30.57	0.68	19.30	19.99 (10.93)	0.00–45.04	0.55
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.55	6.81 (6.47)	0.00–19.65	0.95
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	6.39	6.42 (6.04)	0.00–19.17	0.94	6.21	6.06 (6.00)	0.00–18.62	0.99	6.54	6.77 (6.88)	0.00–19.78	1.02



Table 24: GreatBlackBackedGullApportioned - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	6.30	6.13 (6.48)	0.00–18.90	1.06	6.73	6.66 (6.67)	0.00–20.18	1.00	14.10	13.67 (9.65)	0.00–35.26	0.71
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	10.32	10.38 (6.98)	0.00–26.84	0.67	10.10	10.35 (6.70)	0.00–26.26	0.65	10.83	11.03 (7.02)	0.13–25.95	0.64
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.41	6.44 (6.29)	0.00–19.22	0.98
9	76.24	73.33 (23.24)	31.95–121.20	0.32	304.65	301.99 (133.28)	99.35–592.65	0.44	656.45	659.91 (204.25)	298.34–1090.49	0.31
10	103.92	104.33 (30.83)	46.71–163.39	0.30	137.72	136.94 (36.31)	70.04–207.76	0.27	209.93	211.96 (47.93)	121.61–307.60	0.23
11	59.00	57.09 (37.38)	0.00–135.86	0.65	75.38	73.52 (40.42)	0.00–156.56	0.55	79.62	78.46 (43.70)	0.00–171.50	0.56
12	6.45	6.28 (6.16)	0.00–19.34	0.98	27.45	27.45 (19.11)	0.00–68.62	0.70	143.46	146.22 (92.74)	21.56–373.48	0.63
13	12.90	12.96 (8.87)	0.00–32.24	0.68	12.52	12.61 (8.80)	0.00–31.31	0.70	19.80	19.96 (11.47)	0.00–46.20	0.57
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		12.70	13.02 (9.29)	0.00–31.75	0.71
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
19	11.23	11.04 (6.05)	0.00–22.46	0.55	40.22	40.71 (13.10)	16.36–67.50	0.32	42.41	42.42 (13.64)	17.25–71.16	0.32
20	6.25	6.06 (5.88)	0.00–18.74	0.97	18.22	17.96 (10.61)	0.00–42.51	0.59	25.57	24.80 (12.52)	6.39–51.14	0.50
21	24.95	24.69 (12.62)	0.00–49.89	0.51	30.33	29.94 (13.29)	6.07–54.59	0.44	51.11	51.49 (18.15)	19.17–89.44	0.35
22	34.44	33.74 (18.15)	3.23–72.39	0.54	33.51	33.78 (17.86)	3.14–73.09	0.53	67.35	67.37 (33.50)	9.94–141.10	0.50
23	55.57	55.80 (27.92)	6.37–110.91	0.50	77.70	76.67 (28.91)	24.28–137.52	0.38	113.50	113.10 (38.62)	45.33–201.21	0.34
24	0.00	0.00 (0.00)	0.00–0.00		12.23	12.30 (8.36)	0.00–30.57	0.68	19.30	19.99 (10.93)	0.00–45.04	0.55
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.55	6.81 (6.47)	0.00–19.65	0.95
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	6.39	6.42 (6.04)	0.00–19.17	0.94	6.21	6.06 (6.00)	0.00–18.62	0.99	6.54	6.77 (6.88)	0.00–19.78	1.02



2.19 Great Northern Diver

Table 25: Great Northern Diver - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		7.05	6.99 (6.99)	0.00–21.15	1.00
2	6.18	6.14 (6.03)	0.00–18.54	0.98	6.02	6.28 (6.29)	0.00–24.09	1.00	6.35	6.82 (6.44)	0.00–25.39	0.94
3	6.21	6.11 (6.14)	0.00–18.64	1.00	6.03	6.11 (6.30)	0.00–24.14	1.03	6.37	6.26 (6.17)	0.00–19.12	0.99
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	6.36	6.27 (6.34)	0.00–19.07	1.01	6.77	6.85 (7.08)	0.00–20.31	1.03	7.15	7.07 (7.08)	0.00–21.46	1.00
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		6.86	6.64 (6.61)	0.00–20.59	1.00	7.19	7.26 (7.35)	0.00–21.56	1.01
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.60	6.67 (6.51)	0.00–19.80	0.98
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
15	6.19	6.35 (5.79)	0.00–18.57	0.91	11.99	12.18 (8.07)	0.00–29.98	0.66	12.67	12.71 (8.73)	0.00–31.68	0.69
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		5.75	5.93 (5.85)	0.00–17.25	0.99
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		19.18	19.38 (14.21)	0.00–51.14	0.73
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	6.29	6.23 (5.63)	0.00–18.87	0.90	6.11	5.66 (5.58)	0.00–18.34	0.99	6.43	6.45 (6.49)	0.00–19.30	1.01
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	12.77	13.45 (12.69)	0.00–38.31	0.94	12.42	12.47 (12.34)	0.00–37.27	0.99	19.60	19.40 (14.90)	0.00–52.28	0.77
27	0.00	0.00 (0.00)	0.00–0.00		6.17	6.25 (6.09)	0.00–18.52	0.97	6.49	6.59 (6.50)	0.00–19.48	0.99
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.20 Great Shearwater

Table 26: Great Shearwater - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
15	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	0	0.00 (0.00)	0.00–0.00		6.07	5.74 (5.90)	0.00–18.22	1.03	6.39	6.14 (6.29)	0.00–19.18	1.02
21	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.21 Great Skua

Table 27: Great Skua - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		12.24	12.51 (9.77)	0.00–36.71	0.78	12.91	13.17 (10.70)	0.00–38.73	0.81
5	6.19	6.27 (6.33)	0.00–18.58	1.01	6.06	6.28 (6.34)	0.00–18.33	1.01	12.84	12.74 (9.02)	0.00–32.10	0.71
6	6.28	6.60 (6.31)	0.00–18.85	0.96	6.10	5.77 (5.96)	0.00–18.29	1.03	6.44	6.39 (6.33)	0.00–19.31	0.99
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	6.19	6.26 (6.24)	0.00–18.58	1.00	6.02	5.89 (5.91)	0.00–18.06	1.00	12.70	12.91 (8.77)	0.00–31.75	0.68
15	43.34	43.19 (14.85)	18.57–74.30	0.34	59.96	60.77 (17.81)	29.98–95.94	0.29	69.69	68.67 (20.35)	31.68–107.70	0.30
16	0.00	0.00 (0.00)	0.00–0.00		12.10	11.85 (8.25)	0.00–30.25	0.70	12.70	13.11 (9.32)	0.00–31.75	0.71



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	6.16	5.87 (6.10)	0.00–18.47	1.04	5.97	6.10 (6.14)	0.00–18.07	1.01	12.61	12.23 (8.46)	0.00–31.52	0.69
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		11.50	11.59 (11.59)	0.00–34.50	1.00
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		6.23	6.14 (6.07)	0.00–18.68	0.99	6.55	6.52 (6.43)	0.00–19.65	0.99
26	6.38	6.82 (6.60)	0.00–19.15	0.97	6.21	5.99 (6.26)	0.00–18.64	1.05	6.53	6.50 (6.27)	0.00–19.60	0.96
27	6.33	6.37 (6.41)	0.00–19.00	1.01	6.17	6.12 (6.26)	0.00–18.52	1.02	6.49	6.45 (6.46)	0.00–19.48	1.00
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.22 Grey Phalarope

Table 28: Grey Phalarope - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0
2	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0
3	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0
4	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0
5	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0
6	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0
7	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0
8	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0
9	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0
10	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0
11	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0
12	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0
13	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0
14	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0
15	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0
16	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00			0.00	0.00 (0.00)	0.00–0.00	
18	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00			0.00	0.00 (0.00)	0.00–0.00	
19	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00			0.00	0.00 (0.00)	0.00–0.00	
20	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00			0.00	0.00 (0.00)	0.00–0.00	
21	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00			0.00	0.00 (0.00)	0.00–0.00	
22	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00			0.00	0.00 (0.00)	0.00–0.00	
23	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00			0.00	0.00 (0.00)	0.00–0.00	
24	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00			0.00	0.00 (0.00)	0.00–0.00	
25	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00			0.00	0.00 (0.00)	0.00–0.00	
26	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00			0.00	0.00 (0.00)	0.00–0.00	
27	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00			0.00	0.00 (0.00)	0.00–0.00	
28	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00			0.00	0.00 (0.00)	0.00–0.00	
29	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00			6.61	6.60 (6.56)	0.00–19.83	0.99
30	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00			0.00	0.00 (0.00)	0.00–0.00	



2.23 Guillemot

Table 29: Guillemot - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	6,539.95	6540.06 (1069.27)	4630.73–8745.13	0.16	8,414.21	8364.20 (1203.98)	6220.87–10943.19	0.14	10,012.54	9946.61 (1348.95)	7551.01–12833.86	0.14
2	4,833.42	4863.28 (909.71)	3318.96–6817.63	0.19	6,318.32	6356.40 (953.95)	4721.27–8463.02	0.15	7,903.08	7941.11 (1062.58)	6131.39–10207.99	0.13
3	8,828.06	8876.22 (1076.58)	6895.33–11021.09	0.12	11,092.19	11111.54 (1073.23)	8967.90–13115.85	0.10	13,398.55	13350.19 (1263.38)	10905.92–15846.71	0.09
4	2,718.60	2718.93 (202.68)	2347.15–3115.06	0.07	4,735.47	4743.97 (646.48)	3701.34–6216.98	0.14	6,068.08	6081.61 (690.96)	4970.18–7565.90	0.11
5	7,022.72	7031.50 (493.10)	6087.13–7988.96	0.07	10,035.56	10026.42 (607.29)	8859.75–11223.65	0.06	13,635.81	13632.09 (701.05)	12287.47–15068.08	0.05
6	1,696.69	1733.55 (200.71)	1351.07–2142.86	0.12	2,328.59	2341.30 (258.64)	1846.72–2840.64	0.11	3,270.06	3268.17 (332.95)	2632.63–3945.96	0.10
7	404.83	403.75 (80.35)	263.60–570.44	0.20	526.77	522.44 (96.09)	341.20–706.50	0.18	726.84	726.91 (105.26)	530.91–935.41	0.14
8	768.54	764.00 (130.82)	531.10–1037.21	0.17	1,094.35	1104.88 (148.40)	826.84–1410.50	0.13	1,896.49	1893.45 (372.03)	1262.19–2653.17	0.20
9	1,080.03	1051.11 (321.65)	555.83–1770.39	0.31	2,192.00	2213.16 (522.07)	1334.91–3359.41	0.24	4,468.24	4460.13 (741.87)	3142.53–5925.01	0.17
10	1,239.67	1216.01 (504.87)	425.62–2377.79	0.42	1,651.58	1650.56 (571.59)	703.95–2930.88	0.35	1,909.99	1922.87 (609.49)	922.62–3205.31	0.32
11	1,835.04	1830.06 (168.67)	1492.66–2165.61	0.09	2,806.45	2809.64 (274.71)	2348.37–3380.64	0.10	4,612.01	4650.55 (702.38)	3386.73–6137.25	0.15
12	1,154.01	1151.62 (129.53)	902.41–1405.44	0.11	1,523.37	1523.92 (150.60)	1221.44–1852.74	0.10	2,041.40	2046.69 (187.44)	1689.01–2444.11	0.09
13	17,592.87	17583.20 (1018.12)	15689.77–19592.06	0.06	22,274.56	22278.51 (1490.37)	19218.46–25161.42	0.07	27,897.86	27815.00 (1925.92)	23963.81–31501.74	0.07
14	18,916.09	18917.21 (2873.01)	13126.25–24544.48	0.15	25,518.29	25338.46 (3873.81)	17975.05–33427.01	0.15	32,772.41	32710.85 (4820.35)	23545.52–42407.28	0.15
15	2,445.69	2436.25 (463.87)	1541.56–3393.48	0.19	2,842.15	2859.97 (484.61)	1900.61–3849.49	0.17	4,225.47	4269.90 (665.32)	2989.82–5524.47	0.16
16	11,234.91	11162.53 (2114.42)	7277.92–15434.91	0.19	22,468.04	22496.04 (3606.81)	15443.90–29879.05	0.16	27,290.86	27305.91 (4066.39)	19829.84–35602.88	0.15
17	1,527.01	1546.00 (451.53)	738.88–2463.39	0.29	2,269.43	2285.18 (541.30)	1319.70–3416.53	0.24	3,001.09	3010.08 (616.94)	1897.59–4262.21	0.20



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
18	362.99	364.43 (41.73)	284.35–447.69	0.11	650.83	651.47 (77.49)	502.91–798.74	0.12	903.17	902.26 (96.26)	708.74–1103.88	0.11
19	1,499.18	1488.53 (229.95)	1061.08–1965.36	0.15	2,945.26	2969.08 (483.85)	2050.64–4014.42	0.16	5,370.74	5384.62 (1013.26)	3633.73–7626.14	0.19
20	5,689.91	5669.73 (483.25)	4778.02–6602.26	0.09	7,627.73	7588.67 (716.83)	6273.44–8982.32	0.09	9,455.23	9443.59 (915.56)	7626.52–11123.96	0.10
21	1,515.43	1521.45 (196.81)	1159.81–1902.24	0.13	2,644.48	2635.90 (310.18)	2068.28–3294.08	0.12	3,775.69	3778.40 (411.12)	3021.83–4631.77	0.11
22	6,554.48	6529.10 (702.42)	5336.75–8015.81	0.11	8,623.99	8596.93 (735.79)	7269.51–10215.18	0.09	11,596.53	11551.09 (863.19)	10053.00–13402.45	0.07
23	13,774.49	13703.95 (2016.31)	9709.48–17635.04	0.15	17,195.08	17305.50 (2191.71)	13116.98–21815.10	0.13	23,017.25	23134.76 (2832.62)	17798.33–28840.34	0.12
24	7,026.68	7036.41 (1030.61)	5063.52–8901.93	0.15	10,149.22	10138.68 (1229.67)	7825.44–12497.75	0.12	12,084.06	12061.28 (1516.89)	9246.10–14986.83	0.13
25	6,803.39	6776.52 (1152.52)	4804.33–9123.08	0.17	11,038.32	11003.70 (2092.49)	7307.21–15371.47	0.19	12,840.28	12841.30 (2505.94)	8358.79–17964.11	0.20
26	7,879.01	7839.93 (740.62)	6448.31–9322.01	0.09	14,293.90	14295.79 (1582.56)	11554.24–17474.93	0.11	20,977.29	21054.39 (2000.66)	17343.52–25160.17	0.10
27	13,884.80	13815.05 (1370.55)	11369.92–16628.50	0.10	17,123.17	17190.65 (1653.80)	14252.54–20425.74	0.10	21,067.92	21077.81 (1775.79)	17574.34–24638.91	0.08
28	17,194.47	17091.52 (4008.50)	9745.82–25448.70	0.23	28,333.59	28482.12 (5214.11)	19244.44–39354.86	0.18	32,701.46	32639.28 (5792.41)	22486.42–44992.09	0.18
29	1,634.82	1639.66 (265.49)	1169.58–2138.84	0.16	2,384.59	2391.42 (323.76)	1783.75–3054.60	0.14	2,868.72	2883.86 (358.31)	2207.73–3575.99	0.12
30	1,987.74	1995.36 (175.11)	1655.23–2326.65	0.09	2,786.28	2791.83 (227.89)	2345.53–3233.08	0.08	4,210.30	4205.48 (372.53)	3465.00–4936.15	0.09



Table 30: Guillemot Apportioned - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	10,961.96	10964.36 (1580.69)	8061.50–14172.93	0.14	14,050.01	13971.08 (1769.55)	10607.53–17688.38	0.13	17,071.99	17001.14 (1993.55)	13409.62–21137.06	0.12
2	5,007.24	5047.38 (911.01)	3468.87–6966.54	0.18	6,575.35	6638.68 (958.66)	4997.95–8767.45	0.14	8,303.27	8344.57 (1067.11)	6543.76–10603.58	0.13
3	9,206.57	9254.18 (1079.67)	7290.94–11405.62	0.12	11,506.58	11575.01 (1119.63)	9353.10–13731.62	0.10	13,953.34	13904.25 (1280.69)	11370.26–16503.35	0.09
4	2,892.57	2891.37 (205.69)	2520.24–3306.39	0.07	5,035.22	5072.95 (648.17)	4015.32–6549.63	0.13	6,522.17	6539.26 (692.93)	5399.25–8049.21	0.11
5	7,493.81	7504.96 (497.44)	6527.65–8490.27	0.07	10,579.32	10628.69 (618.87)	9413.61–11838.82	0.06	14,468.55	14463.44 (712.68)	13088.70–15954.74	0.05
6	1,866.73	1857.61 (203.64)	1470.94–2261.41	0.11	2,522.43	2533.45 (258.99)	2034.42–3031.82	0.10	3,526.23	3517.83 (338.30)	2871.61–4199.69	0.10
7	1,057.93	1064.55 (131.24)	829.73–1341.67	0.12	1,278.26	1264.23 (143.31)	1004.42–1547.93	0.11	1,801.48	1801.77 (165.51)	1505.62–2139.26	0.09
8	953.12	950.13 (145.10)	692.16–1269.18	0.15	1,464.86	1476.44 (211.55)	1105.65–1913.54	0.14	2,423.03	2401.09 (436.30)	1625.41–3305.41	0.18
9	3,145.09	3093.28 (846.30)	1678.58–4916.50	0.27	7,281.67	7189.26 (1917.19)	4121.04–11301.62	0.27	14,204.74	14148.97 (2805.52)	9112.00–20352.18	0.20
10	8,741.44	7397.25 (2120.22)	3679.04–11857.34	0.29	11,462.10	11539.63 (2951.67)	6219.89–17969.63	0.26	13,012.14	12999.76 (3542.76)	7093.19–20577.97	0.27
11	3,438.16	3426.84 (277.17)	2892.65–3969.72	0.08	4,929.84	4934.86 (369.52)	4269.86–5676.41	0.07	7,335.55	7403.44 (765.56)	6002.60–8996.46	0.10
12	1,959.06	1955.55 (153.20)	1656.86–2282.85	0.08	2,641.21	2638.81 (178.66)	2289.76–3011.93	0.07	3,559.15	3554.44 (223.56)	3118.72–3986.32	0.06
13	20,150.69	20162.01 (1063.11)	18216.71–22200.25	0.05	25,690.92	25666.17 (1560.36)	22522.14–28570.57	0.06	32,208.09	32139.92 (2028.28)	28175.02–35977.85	0.06
14	19,435.57	19465.78 (2871.38)	13749.45–25101.93	0.15	26,296.51	26118.68 (3885.79)	18757.47–34139.84	0.15	33,674.99	33609.94 (4834.71)	24374.01–43315.27	0.14
15	2,516.38	2507.29 (463.41)	1612.67–3476.83	0.18	2,916.33	2934.23 (485.58)	1970.27–3918.32	0.17	4,346.18	4395.99 (669.61)	3104.87–5686.03	0.15
16	12,317.77	12252.24 (2115.82)	8411.82–16401.30	0.17	24,228.21	24240.30 (3652.38)	17223.01–31724.30	0.15	29,466.21	29492.23 (4125.05)	21933.00–37754.20	0.14
17	1,803.85	1822.69 (459.68)	1003.30–2757.91	0.25	2,709.12	2727.34 (565.17)	1700.75–3916.05	0.21	3,542.10	3560.13 (645.65)	2382.48–4876.93	0.18
18	606.45	608.63 (60.84)	493.16–734.42	0.10	965.86	972.33 (94.33)	797.79–1157.63	0.10	1,360.61	1355.17 (117.72)	1129.20–1584.93	0.09
19	1,730.60	1729.23 (230.78)	1287.83–2216.75	0.13	3,810.48	3835.64 (564.56)	2794.84–5011.35	0.15	6,762.44	6798.92 (1074.48)	4853.26–9052.65	0.16
20	6,204.54	6197.89 (489.69)	5260.52–7194.47	0.08	8,401.08	8361.59 (730.63)	7006.49–9770.95	0.09	10,466.20	10459.70 (932.26)	8615.94–12177.80	0.09



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
21	1,919.45	1930.47 (209.48)	1530.54–2328.23	0.11	3,338.84	3388.01 (360.69)	2726.05–4153.52	0.11	4,738.98	4737.41 (435.51)	3910.88–5605.62	0.09
22	7,313.39	7275.26 (712.78)	6013.45–8793.14	0.10	9,881.50	9864.42 (756.77)	8504.90–11494.45	0.08	13,232.58	13188.04 (899.65)	11740.76–15113.64	0.07
23	14,592.03	14523.54 (2016.20)	10582.44–18515.62	0.14	18,115.64	18243.12 (2190.06)	13976.26–22656.98	0.12	24,269.65	24384.56 (2836.03)	18998.36–30094.85	0.12
24	7,444.20	7453.59 (1070.37)	5379.17–9421.13	0.14	10,956.82	10945.27 (1286.71)	8507.95–13442.03	0.12	13,054.26	13006.87 (1580.11)	10124.43–16013.14	0.12
25	6,847.05	6820.29 (1152.71)	4847.37–9141.44	0.17	11,195.93	11155.57 (2090.12)	7452.84–15498.92	0.19	13,031.64	13031.81 (2507.47)	8556.53–18161.21	0.19
26	8,199.08	8175.17 (746.66)	6760.90–9671.35	0.09	14,805.45	14808.93 (1585.13)	12071.21–17938.55	0.11	21,690.91	21749.32 (1999.30)	18058.04–25834.75	0.09
27	14,204.62	14142.24 (1370.63)	11702.68–16986.71	0.10	17,518.29	17586.28 (1655.43)	14661.15–20819.63	0.09	21,552.62	21562.68 (1778.23)	18068.79–25094.80	0.08
28	17,869.66	17794.94 (4057.60)	10468.16–26154.06	0.23	29,997.87	30142.89 (5425.52)	20521.99–42021.94	0.18	34,639.26	34563.12 (6028.11)	24161.50–47330.55	0.17
29	1,790.09	1787.98 (268.11)	1310.23–2297.83	0.15	2,624.84	2638.12 (327.41)	2039.90–3322.36	0.12	3,155.36	3169.77 (363.31)	2503.39–3878.97	0.11
30	2,128.61	2136.99 (176.43)	1800.58–2471.57	0.08	2,950.40	2972.46 (229.96)	2519.80–3405.27	0.08	4,429.20	4431.20 (375.74)	3700.15–5190.10	0.08



Table 31: GuillemotApportionedCorrected - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	14,266.00	14272.76 (2072.14)	10482.49–18510.23	0.15	18,258.32	18159.93 (2309.08)	13748.34–23001.65	0.13	22,190.05	22107.35 (2598.45)	17444.14–27453.72	0.12
2	6,428.13	6479.08 (1187.76)	4407.80–8998.63	0.18	8,446.30	8526.07 (1253.92)	6401.48–11357.35	0.15	10,664.89	10720.83 (1387.89)	8379.73–13734.68	0.13
3	11,959.68	12024.02 (1414.42)	9444.57–14809.94	0.12	14,957.49	15044.22 (1454.39)	12188.19–17752.26	0.10	18,134.24	18069.68 (1655.95)	14842.96–21332.71	0.09
4	3,708.01	3706.61 (251.58)	3244.00–4206.07	0.07	6,490.93	6539.25 (852.53)	5185.33–8473.47	0.13	8,416.18	8437.84 (907.71)	6989.11–10406.12	0.11
5	9,768.67	9780.83 (644.63)	8505.69–11014.50	0.07	13,796.12	13856.66 (797.91)	12311.32–15436.15	0.06	18,870.63	18864.58 (926.12)	17089.19–20786.38	0.05
6	2,445.33	2433.81 (267.06)	1924.17–2967.44	0.11	3,305.01	3319.65 (339.17)	2663.45–3966.52	0.10	4,620.89	4609.89 (443.52)	3758.60–5504.05	0.10
7	1,360.78	1369.40 (159.79)	1082.20–1699.02	0.12	1,648.39	1629.62 (175.82)	1309.54–1988.28	0.11	2,327.35	2327.75 (206.87)	1954.84–2736.62	0.09
8	1,245.65	1241.28 (189.56)	899.22–1652.52	0.15	1,916.64	1929.90 (277.92)	1433.44–2511.70	0.14	3,172.61	3143.93 (571.43)	2123.08–4329.25	0.18
9	4,037.88	4001.69 (1093.29)	2156.23–6395.08	0.27	9,424.84	9283.49 (2514.19)	5231.68–15073.93	0.27	18,460.53	18400.39 (3660.38)	11991.37–25925.88	0.20
10	11,427.91	9665.08 (2778.78)	4783.68–15491.07	0.29	14,984.72	15086.39 (3868.69)	8144.94–23494.26	0.26	16,989.61	16969.05 (4647.29)	9252.64–26974.96	0.27
11	4,495.73	4479.88 (362.39)	3789.66–5174.19	0.08	6,440.98	6443.46 (475.30)	5588.85–7401.42	0.07	9,587.20	9675.61 (997.28)	7882.43–11729.33	0.10
12	2,559.77	2555.63 (201.83)	2160.49–2974.84	0.08	3,450.16	3447.55 (233.59)	2990.69–3928.80	0.07	4,648.23	4642.55 (291.33)	4080.05–5194.51	0.06
13	26,176.57	26188.97 (1361.97)	23689.52–28810.80	0.05	33,381.80	33352.81 (1961.46)	29389.88–36924.57	0.06	41,801.42	41708.14 (2519.93)	36841.55–46456.49	0.06
14	25,420.33	25458.74 (3756.08)	17986.50–32900.62	0.15	34,384.91	34154.78 (5081.18)	24536.75–44772.60	0.15	44,033.40	43944.29 (6316.70)	31901.39–56499.88	0.14
15	3,275.96	3265.20 (596.85)	2124.13–4523.97	0.18	3,791.77	3815.84 (623.79)	2610.39–5066.34	0.16	5,644.82	5711.06 (858.71)	4047.93–7339.77	0.15
16	16,127.28	16042.29 (2778.99)	10982.81–21472.11	0.17	31,740.60	31756.21 (4792.83)	22538.99–41540.67	0.15	38,600.58	38634.07 (5411.04)	28757.18–49486.89	0.14
17	2,364.84	2389.55 (602.64)	1315.33–3615.62	0.25	3,551.65	3575.54 (740.94)	2229.68–5133.94	0.21	4,643.70	4667.33 (846.44)	3123.43–6393.65	0.18
18	773.58	774.69 (73.22)	632.39–920.07	0.09	1,233.98	1243.16 (116.68)	1013.76–1477.07	0.09	1,747.61	1741.15 (146.22)	1465.50–2033.45	0.08
19	2,228.80	2226.54 (301.17)	1656.79–2873.93	0.14	4,910.20	4942.14 (716.01)	3650.75–6427.62	0.14	8,745.41	8790.90 (1385.91)	6339.21–11706.52	0.16



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
20	8,031.22	8017.22 (617.52)	6849.91–9213.58	0.08	10,893.27	10856.63 (880.69)	9177.94–12622.50	0.08	13,554.87	13551.39 (1147.08)	11169.75–15713.26	0.08
21	2,502.60	2526.89 (268.62)	2034.39–3090.11	0.11	4,352.48	4413.02 (418.58)	3620.90–5270.37	0.09	6,158.23	6179.47 (554.19)	5134.53–7320.40	0.09
22	9,554.85	9507.98 (937.34)	7818.33–11518.96	0.10	12,913.10	12886.92 (996.32)	11071.82–15012.99	0.08	17,292.15	17235.29 (1184.60)	15307.15–19746.72	0.07
23	19,109.15	19020.32 (2642.32)	13831.38–24270.08	0.14	23,681.06	23845.83 (2870.04)	18246.85–29640.07	0.12	31,710.17	31857.96 (3716.29)	24768.82–39250.32	0.12
24	9,642.23	9653.29 (1427.63)	6900.89–12237.63	0.15	14,220.93	14199.66 (1734.06)	10850.42–17595.90	0.12	16,951.15	16885.99 (2107.20)	13180.96–21064.29	0.12
25	8,858.94	8822.01 (1513.15)	6234.31–11850.86	0.17	14,517.16	14464.83 (2735.65)	9608.20–20130.44	0.19	16,890.93	16890.44 (3276.01)	11055.97–23572.81	0.19
26	10,639.98	10615.75 (981.66)	8794.38–12586.23	0.09	19,259.46	19261.53 (2084.72)	15691.17–23441.21	0.11	28,240.07	28318.33 (2626.73)	23520.15–33722.58	0.09
27	18,498.21	18416.21 (1796.55)	15207.04–22157.59	0.10	22,811.03	22898.27 (2177.71)	18944.72–27121.42	0.10	28,027.53	28042.37 (2313.25)	23362.14–32741.78	0.08
28	23,355.90	23261.87 (5319.80)	13716.01–34100.46	0.23	39,233.19	39424.81 (7111.71)	26757.09–54961.08	0.18	45,294.64	45200.14 (7891.24)	31601.77–61968.89	0.17
29	2,346.81	2344.04 (351.49)	1717.71–3012.45	0.15	3,441.16	3458.58 (429.23)	2674.30–4355.61	0.12	4,134.62	4153.49 (476.53)	3286.63–5087.13	0.11
30	2,784.65	2795.61 (229.27)	2361.17–3228.96	0.08	3,860.26	3888.87 (298.06)	3299.72–4448.82	0.08	5,796.51	5796.85 (491.90)	4846.58–6781.53	0.08



2.24 Guillemot/Razorbill

Table 32: Guillemot/Razorbill - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	6,810.87	6813.65 (961.85)	5109.73–8808.61	0.14	8,649.62	8628.31 (1083.11)	6550.95–10882.99	0.13	10,809.31	10782.71 (1240.42)	8622.60–13375.91	0.12
2	173.06	174.84 (41.75)	92.71–259.60	0.24	271.04	271.23 (51.54)	174.67–373.44	0.19	393.57	393.76 (63.12)	272.96–520.52	0.16
3	391.39	390.83 (57.95)	279.57–503.22	0.15	476.76	479.24 (77.76)	343.99–627.63	0.16	567.30	566.89 (88.42)	407.95–752.31	0.16
4	144.74	143.10 (26.18)	94.40–195.08	0.18	287.55	288.44 (46.39)	201.90–379.33	0.16	413.15	416.13 (56.90)	303.40–535.80	0.14
5	390.15	393.62 (68.95)	260.10–532.59	0.18	502.99	504.64 (71.24)	369.67–654.49	0.14	699.77	696.77 (101.34)	513.59–911.62	0.15
6	100.54	98.24 (31.34)	43.99–157.10	0.32	146.30	144.34 (36.38)	73.15–219.45	0.25	167.37	167.77 (42.27)	96.56–257.49	0.25
7	809.66	812.40 (134.77)	576.58–1098.10	0.17	909.88	908.46 (134.41)	676.42–1197.20	0.15	1,314.64	1316.29 (163.13)	1011.26–1675.21	0.12
8	187.45	188.86 (60.76)	87.48–318.66	0.32	401.26	390.09 (164.24)	133.60–747.96	0.42	538.19	537.11 (244.05)	160.18–1031.70	0.45
9	3,259.27	3257.35 (1222.92)	1456.60–6026.61	0.38	8,165.66	7978.96 (2973.04)	3358.01–14661.40	0.37	15,583.06	15550.72 (4366.55)	8166.67–24856.79	0.28
10	6,878.60	6746.42 (2213.30)	3000.65–11494.32	0.33	10,687.90	10794.07 (3075.20)	5495.74–17233.82	0.28	12,103.73	12091.43 (3329.50)	6536.16–19271.91	0.28
11	1,899.94	1891.88 (249.37)	1410.06–2348.52	0.13	2,510.73	2518.49 (293.90)	1959.87–3102.31	0.12	3,258.42	3256.82 (368.92)	2559.88–4024.18	0.11
12	1,347.42	1354.05 (131.28)	1108.88–1624.64	0.10	1,866.47	1868.23 (159.21)	1564.54–2182.12	0.09	2,530.19	2541.68 (215.85)	2141.86–2961.83	0.08
13	3,114.87	3116.34 (228.06)	2663.44–3579.19	0.07	4,114.25	4114.07 (294.84)	3563.02–4690.53	0.07	5,233.74	5221.37 (407.50)	4468.15–6065.33	0.08
14	520.12	524.13 (101.11)	321.98–712.06	0.19	752.31	753.76 (190.36)	439.20–1149.53	0.25	876.30	872.16 (228.19)	482.60–1352.71	0.26
15	61.92	62.08 (16.97)	30.96–93.03	0.27	65.96	66.80 (18.07)	35.98–101.93	0.27	120.37	119.79 (45.62)	50.68–215.39	0.38
16	1,078.00	1087.55 (244.61)	660.51–1601.58	0.22	1,748.32	1739.47 (330.93)	1130.96–2413.77	0.19	2,139.84	2144.17 (338.58)	1504.71–2819.57	0.16
17	307.87	307.71 (50.39)	215.51–406.38	0.16	483.75	482.59 (95.50)	316.53–674.86	0.20	598.96	602.94 (111.87)	403.51–832.23	0.19
18	302.50	302.34 (60.70)	193.60–435.59	0.20	402.33	402.97 (75.76)	266.25–562.23	0.19	564.48	563.95 (85.10)	413.95–733.83	0.15



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
19	482.88	479.40 (83.26)	319.91–651.33	0.17	1,772.61	1758.66 (583.51)	752.68–3010.85	0.33	2,811.88	2889.86 (736.01)	1534.89–4353.81	0.25
20	630.82	635.42 (113.58)	437.05–862.07	0.18	935.25	928.03 (141.81)	673.95–1220.68	0.15	1,214.67	1220.62 (177.50)	907.64–1579.23	0.15
21	717.18	725.97 (102.17)	530.09–929.22	0.14	1,297.98	1299.10 (177.60)	964.24–1655.99	0.14	1,667.44	1667.24 (193.01)	1303.12–2057.30	0.12
22	786.54	785.59 (97.01)	611.75–992.53	0.12	1,336.11	1334.47 (173.29)	1001.78–1676.52	0.13	1,722.51	1716.95 (223.42)	1318.94–2170.91	0.13
23	793.26	795.99 (108.80)	596.48–1014.64	0.14	899.99	906.80 (115.13)	697.19–1150.31	0.13	1,186.97	1182.77 (131.35)	942.04–1438.34	0.11
24	616.49	615.68 (95.87)	440.35–817.79	0.16	1,167.77	1166.48 (153.47)	886.53–1479.58	0.13	1,383.42	1392.88 (177.07)	1061.70–1756.63	0.13
25	44.84	44.95 (13.75)	19.22–70.47	0.31	155.64	155.98 (28.04)	99.61–211.68	0.18	196.53	195.67 (38.59)	124.47–275.15	0.20
26	325.63	329.51 (60.67)	217.09–453.33	0.18	496.96	498.82 (68.23)	372.72–639.84	0.14	673.10	672.63 (85.84)	509.73–836.48	0.13
27	329.38	330.66 (57.84)	228.03–449.74	0.17	388.88	389.15 (59.82)	277.77–512.34	0.15	473.95	473.93 (64.19)	350.59–603.80	0.14
28	760.08	758.19 (152.30)	472.50–1073.06	0.20	1,831.57	1841.45 (496.12)	1119.82–2952.01	0.27	2,101.35	2052.95 (521.74)	1226.88–3171.77	0.25
29	148.62	147.10 (38.60)	77.54–226.16	0.26	237.83	238.64 (45.16)	156.47–337.97	0.19	271.01	271.13 (52.44)	178.47–376.77	0.19
30	127.83	128.35 (33.75)	63.91–204.53	0.26	167.55	167.88 (38.16)	99.29–248.22	0.23	202.67	204.12 (42.84)	124.22–294.20	0.21



2.25 Gull species

Table 33: Gull species - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	6.18	5.97 (5.80)	0.00–18.54	0.97	6.02	6.27 (5.90)	0.00–18.07	0.94	6.35	6.61 (6.22)	0.00–19.04	0.94
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.42	6.97 (6.70)	0.00–19.26	0.96
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		24.84	25.96 (25.09)	0.00–74.52	0.97	32.81	33.80 (27.77)	0.00–92.02	0.82
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	6.15	5.96 (6.01)	0.00–18.45	1.01	5.96	5.72 (6.04)	0.00–17.88	1.06	12.56	12.38 (8.68)	0.00–31.40	0.70
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.26 Herring Gull

Table 34: Herring Gull - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	12.39	12.70 (8.46)	0.00–30.96	0.67	12.12	12.51 (8.70)	0.00–30.30	0.70	12.84	12.97 (8.83)	0.00–32.10	0.68
6	6.28	6.45 (6.35)	0.00–18.85	0.98	6.10	6.25 (6.11)	0.00–18.29	0.98	6.44	6.40 (6.20)	0.00–19.31	0.97
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	89.47	89.12 (48.75)	19.17–204.50	0.55	589.91	604.74 (377.52)	86.93–1503.20	0.62	721.74	715.97 (379.71)	183.72–1574.87	0.53
10	273.36	273.89 (90.49)	126.99–464.08	0.33	372.28	372.89 (100.27)	196.29–582.12	0.27	443.52	442.04 (110.64)	250.37–679.76	0.25
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	22.46	23.14 (10.70)	5.61–44.92	0.46	76.36	75.84 (43.87)	16.36–169.22	0.58	86.25	86.21 (45.82)	23.00–189.76	0.53
20	62.46	61.73 (24.90)	18.74–112.42	0.40	66.80	66.48 (24.71)	24.29–115.54	0.37	83.11	80.98 (26.40)	31.96–134.25	0.33
21	6.24	5.91 (5.78)	0.00–18.71	0.98	12.13	12.31 (8.80)	0.00–30.33	0.71	12.78	12.68 (8.95)	0.00–31.94	0.71
22	37.45	37.82 (31.34)	0.00–112.36	0.83	36.44	35.75 (29.10)	0.00–103.24	0.81	51.23	51.01 (34.55)	0.00–134.47	0.68
23	18.45	18.96 (13.86)	0.00–49.19	0.73	23.84	24.54 (13.95)	0.00–53.64	0.57	31.40	31.37 (17.35)	6.28–69.08	0.55
24	0.00	0.00 (0.00)	0.00–0.00		6.11	6.13 (5.91)	0.00–18.34	0.96	6.43	6.25 (6.21)	0.00–19.30	0.99
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Table 35: HerringGullApportioned - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	20.64	20.75 (10.57)	4.13–43.35	0.51	20.20	20.76 (10.39)	4.04–44.44	0.50	21.67	21.82 (10.88)	0.53–43.64	0.50
6	6.28	6.45 (6.35)	0.00–18.85	0.98	12.19	12.50 (8.55)	0.00–30.48	0.68	12.87	12.77 (8.82)	0.00–32.19	0.69
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.41	6.44 (6.29)	0.00–19.22	0.98
9	102.70	99.13 (49.11)	25.56–210.90	0.50	623.63	635.21 (379.09)	109.15–1535.57	0.60	771.36	766.58 (380.06)	227.85–1625.72	0.50
10	277.52	278.18 (90.61)	129.04–476.54	0.33	376.70	377.46 (100.49)	203.06–586.54	0.27	448.19	446.81 (110.87)	252.56–684.32	0.25
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.30	0.30 (0.29)	0.00–0.90	0.97
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	22.46	23.14 (10.70)	5.61–44.92	0.46	79.77	79.28 (44.17)	16.36–173.87	0.56	89.85	89.99 (46.09)	26.59–196.95	0.51
20	62.46	61.73 (24.90)	18.74–112.42	0.40	66.80	66.48 (24.71)	24.29–115.54	0.37	83.11	80.98 (26.40)	31.96–134.25	0.33
21	6.24	5.91 (5.78)	0.00–18.71	0.98	12.13	12.31 (8.80)	0.00–30.33	0.71	12.78	12.68 (8.95)	0.00–31.94	0.71
22	40.47	40.80 (31.49)	0.00–118.39	0.77	39.37	38.71 (29.06)	0.00–103.32	0.75	54.32	54.16 (34.71)	3.09–140.65	0.64
23	18.56	19.06 (13.86)	0.00–49.30	0.73	23.95	24.65 (13.95)	0.11–53.75	0.57	31.62	31.59 (17.35)	6.28–69.42	0.55
24	0.00	0.00 (0.00)	0.00–0.00		6.11	6.13 (5.91)	0.00–18.34	0.96	6.43	6.25 (6.21)	0.00–19.30	0.99
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.27 Kittiwake

Table 36: Kittiwake - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	277.22	277.70 (49.53)	182.72–384.33	0.18	410.29	413.49 (62.74)	302.67–544.97	0.15	571.14	569.78 (83.57)	416.01–740.36	0.15
2	111.26	110.73 (37.88)	49.45–197.79	0.34	162.63	163.75 (43.02)	96.37–253.12	0.26	266.61	273.41 (98.95)	120.61–488.78	0.36
3	726.87	725.36 (101.59)	528.07–938.10	0.14	1,188.88	1187.34 (211.06)	832.52–1641.50	0.18	1,402.32	1414.49 (230.58)	1019.87–1918.63	0.16
4	251.72	253.55 (93.43)	100.53–465.69	0.37	471.10	469.69 (121.28)	250.85–728.06	0.26	690.73	686.93 (149.81)	413.15–987.68	0.22
5	322.03	323.56 (61.75)	210.56–452.08	0.19	533.29	534.27 (80.92)	387.85–709.03	0.15	648.41	647.57 (91.73)	475.07–834.90	0.14
6	175.95	183.39 (50.84)	100.54–301.63	0.28	335.27	334.21 (109.36)	158.49–573.00	0.33	482.78	485.07 (121.90)	283.23–753.31	0.25
7	276.02	280.62 (78.43)	147.21–447.77	0.28	287.33	285.69 (80.06)	149.65–461.07	0.28	322.34	323.26 (84.63)	183.29–499.47	0.26
8	624.83	625.03 (101.62)	431.13–837.27	0.16	1,057.87	1062.91 (207.58)	711.33–1514.31	0.20	2,966.47	3016.01 (1648.92)	993.10–6517.75	0.55
9	3,112.28	3112.13 (771.36)	1859.54–4805.82	0.25	7,730.99	7680.86 (2411.13)	3632.48–12978.59	0.31	11,318.23	11212.78 (2477.21)	6599.02–16339.91	0.22
10	5,009.55	4956.40 (1461.34)	2434.53–8074.57	0.29	6,782.32	6792.94 (1606.84)	3885.11–10129.65	0.24	9,635.77	9740.30 (2013.84)	6050.97–13928.77	0.21
11	472.03	470.98 (65.22)	354.03–601.84	0.14	568.25	565.85 (77.60)	423.29–719.15	0.14	734.98	732.27 (88.65)	575.58–906.48	0.12
12	128.94	129.84 (52.55)	45.13–245.15	0.40	178.41	176.70 (57.16)	82.34–301.93	0.32	258.77	259.46 (68.62)	143.76–409.72	0.26
13	444.98	443.61 (89.69)	277.31–632.16	0.20	557.33	553.03 (92.31)	381.99–732.83	0.17	640.19	641.62 (103.49)	448.79–857.99	0.16
14	371.51	373.76 (71.31)	229.10–513.92	0.19	3,496.73	3528.18 (2078.69)	571.75–6736.02	0.59	5,200.66	5070.86 (2509.92)	869.95–10270.03	0.49
15	1,126.88	1120.61 (169.37)	798.72–1473.61	0.15	1,337.13	1335.33 (186.45)	1001.35–1726.88	0.14	1,545.75	1545.25 (208.64)	1165.65–1970.20	0.14
16	2,131.08	2140.28 (484.80)	1302.17–3147.08	0.23	3,859.61	3797.45 (869.93)	2316.37–5656.33	0.23	4,724.15	4669.71 (1021.16)	2818.46–6864.62	0.22
17	36.94	36.61 (12.78)	12.31–61.57	0.35	35.83	35.53 (14.12)	11.94–65.69	0.40	63.05	63.71 (17.61)	31.52–100.88	0.28
18	0.00	0.00 (0.00)	0.00–0.00		17.75	18.29 (10.44)	0.00–41.42	0.57	18.82	18.63 (10.88)	0.00–43.90	0.58



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
19	1,594.63	1593.01 (397.69)	904.00–2431.54	0.25	3,556.13	3591.43 (776.97)	2186.86–5132.53	0.22	4,697.96	4701.83 (980.58)	2995.74–6802.99	0.21
20	1,811.28	1790.81 (532.70)	986.68–2973.46	0.30	2,550.67	2555.09 (565.70)	1627.57–3741.29	0.22	3,477.79	3450.62 (634.88)	2359.01–4750.15	0.18
21	654.82	658.81 (282.72)	193.33–1241.50	0.43	1,601.25	1607.90 (434.74)	788.34–2480.87	0.27	2,114.64	2100.27 (541.28)	1073.13–3162.38	0.26
22	1,335.86	1331.15 (543.80)	593.02–2628.97	0.41	1,554.75	1595.77 (549.88)	807.74–2946.13	0.34	2,061.89	2065.83 (573.63)	1191.03–3388.35	0.28
23	2,908.63	2895.29 (881.85)	1291.36–4772.03	0.30	3,474.78	3505.61 (901.34)	1829.62–5429.86	0.26	4,490.41	4517.80 (986.67)	2787.98–6544.69	0.22
24	541.00	543.41 (100.48)	345.99–742.46	0.18	990.47	989.69 (253.67)	549.95–1540.88	0.26	1,274.04	1289.69 (296.20)	804.32–1956.42	0.23
25	467.65	462.99 (124.70)	256.25–743.44	0.27	890.29	885.48 (165.77)	585.22–1214.18	0.19	1,264.37	1261.47 (201.97)	897.51–1683.81	0.16
26	344.79	343.02 (54.04)	242.63–447.11	0.16	546.66	546.58 (72.08)	416.21–695.75	0.13	843.01	834.78 (165.64)	562.01–1202.60	0.20
27	956.48	963.10 (144.34)	690.44–1254.19	0.15	1,253.07	1255.27 (164.29)	950.60–1592.57	0.13	1,499.75	1507.13 (192.06)	1155.49–1902.28	0.13
28	274.65	274.89 (63.91)	159.68–415.17	0.23	519.77	521.91 (87.74)	358.89–699.37	0.17	606.91	608.15 (96.85)	430.71–802.85	0.16
29	12.92	13.29 (9.28)	0.00–32.31	0.70	12.52	12.82 (9.10)	0.00–31.29	0.71	13.22	13.31 (9.35)	0.00–33.05	0.70
30	76.70	77.53 (32.03)	19.17–140.77	0.41	80.67	80.04 (35.03)	18.62–155.14	0.44	130.75	131.24 (39.21)	58.84–209.21	0.30



Table 37: KittiwakeApportioned - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	283.52	284.05 (49.86)	189.02–390.63	0.18	417.01	419.98 (62.95)	302.67–551.53	0.15	578.19	576.98 (84.05)	422.89–747.41	0.15
2	123.62	122.74 (39.10)	55.63–210.15	0.32	174.67	176.23 (43.93)	102.39–271.04	0.25	279.31	286.66 (99.17)	133.30–501.48	0.35
3	726.87	725.36 (101.59)	528.07–938.10	0.14	1,188.88	1187.34 (211.06)	832.52–1641.50	0.18	1,402.32	1414.49 (230.58)	1019.87–1918.63	0.16
4	251.72	253.55 (93.43)	100.53–465.69	0.37	477.22	475.96 (121.19)	263.08–734.18	0.25	697.18	693.26 (149.98)	425.90–1000.91	0.22
5	322.03	323.56 (61.75)	210.56–452.08	0.19	533.29	534.27 (80.92)	387.85–709.03	0.15	654.43	654.10 (91.92)	480.94–846.79	0.14
6	182.24	183.39 (50.84)	100.54–301.63	0.28	335.27	334.21 (109.36)	158.49–573.00	0.33	482.78	485.07 (121.90)	283.23–753.31	0.25
7	276.02	280.62 (78.43)	147.21–447.77	0.28	287.33	285.69 (80.06)	149.65–461.07	0.28	322.34	323.26 (84.63)	183.29–499.47	0.26
8	624.83	625.03 (101.62)	431.13–837.27	0.16	1,070.03	1075.37 (207.93)	723.49–1538.33	0.19	2,979.29	3028.93 (1649.26)	1012.32–6542.90	0.54
9	3,112.28	3112.13 (771.36)	1859.54–4805.82	0.25	7,752.66	7703.51 (2411.05)	3659.71–13019.05	0.31	11,353.38	11248.84 (2475.90)	6625.06–16381.42	0.22
10	5,009.55	4956.40 (1461.34)	2434.53–8074.57	0.29	6,782.32	6792.94 (1606.84)	3885.11–10129.65	0.24	9,635.77	9740.30 (2013.84)	6050.97–13928.77	0.21
11	472.03	470.98 (65.22)	354.03–601.84	0.14	568.25	565.85 (77.60)	423.29–719.15	0.14	734.98	732.27 (88.65)	575.58–906.48	0.12
12	135.39	136.12 (52.98)	51.58–251.43	0.39	185.27	183.48 (57.94)	82.34–308.79	0.32	265.96	266.56 (69.03)	143.76–409.90	0.26
13	451.43	449.55 (89.92)	283.76–645.06	0.20	563.60	559.26 (92.80)	388.25–751.46	0.17	646.79	648.02 (103.91)	448.79–864.59	0.16
14	371.51	373.76 (71.31)	229.10–513.92	0.19	3,496.73	3528.18 (2078.69)	571.75–6736.02	0.59	5,200.66	5070.86 (2509.92)	869.95–10270.03	0.49
15	1,126.88	1120.61 (169.37)	798.72–1473.61	0.15	1,337.13	1335.33 (186.45)	1001.35–1726.88	0.14	1,545.75	1545.25 (208.64)	1165.65–1970.20	0.14
16	2,131.08	2140.28 (484.80)	1302.17–3147.08	0.23	3,859.61	3797.45 (869.93)	2316.37–5656.33	0.23	4,724.15	4669.71 (1021.16)	2818.46–6864.62	0.22
17	36.94	36.61 (12.78)	12.31–61.57	0.35	35.83	35.53 (14.12)	11.94–65.69	0.40	63.05	63.71 (17.61)	31.52–100.88	0.28
18	0.00	0.00 (0.00)	0.00–0.00		17.75	18.29 (10.44)	0.00–41.42	0.57	18.82	18.63 (10.88)	0.00–43.90	0.58
19	1,594.63	1593.01 (397.69)	904.00–2431.54	0.25	3,556.13	3596.70 (776.94)	2192.44–5143.43	0.22	4,703.71	4707.77 (980.61)	2995.74–6808.59	0.21
20	1,811.28	1790.81 (532.70)	986.68–2973.46	0.30	2,550.67	2555.09 (565.70)	1627.57–3741.29	0.22	3,477.79	3450.62 (634.88)	2359.01–4750.15	0.18



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
21	654.82	658.81 (282.72)	193.33–1241.50	0.43	1,601.25	1607.90 (434.74)	788.34–2480.87	0.27	2,114.64	2100.27 (541.28)	1073.13–3162.38	0.26
22	1,335.86	1331.15 (543.80)	593.02–2628.97	0.41	1,554.75	1595.77 (549.88)	807.74–2946.13	0.34	2,061.89	2065.83 (573.63)	1191.03–3388.35	0.28
23	2,914.40	2900.89 (881.74)	1308.24–4778.17	0.30	3,480.37	3510.98 (901.60)	1840.66–5435.45	0.26	4,502.19	4529.41 (987.00)	2799.90–6555.34	0.22
24	547.26	549.71 (100.71)	352.25–754.85	0.18	996.55	996.10 (253.83)	555.89–1541.03	0.25	1,280.44	1296.16 (296.18)	816.97–1956.58	0.23
25	467.65	462.99 (124.70)	256.25–743.44	0.27	890.29	885.48 (165.77)	585.22–1214.18	0.19	1,264.37	1261.47 (201.97)	897.51–1683.81	0.16
26	344.79	343.02 (54.04)	242.63–447.11	0.16	552.84	552.81 (72.32)	422.38–701.93	0.13	849.51	841.67 (166.07)	568.51–1215.51	0.20
27	956.48	963.10 (144.34)	690.44–1254.19	0.15	1,253.07	1255.27 (164.29)	950.60–1592.57	0.13	1,499.75	1507.13 (192.06)	1155.49–1902.28	0.13
28	274.65	274.89 (63.91)	159.68–415.17	0.23	519.77	521.91 (87.74)	358.89–699.37	0.17	606.91	608.15 (96.85)	430.71–802.85	0.16
29	12.92	13.29 (9.28)	0.00–32.31	0.70	12.52	12.82 (9.10)	0.00–31.29	0.71	13.22	13.31 (9.35)	0.00–33.05	0.70
30	76.70	77.53 (32.03)	19.17–140.77	0.41	80.67	80.04 (35.03)	18.62–155.14	0.44	130.75	131.24 (39.21)	58.84–209.21	0.30



2.28 Large Gull species

Table 38: Large Gull species - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	6.30	6.13 (6.48)	0.00–18.90	1.06	6.73	6.66 (6.67)	0.00–20.18	1.00	14.10	13.67 (9.65)	0.00–35.26	0.71
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	12.39	12.08 (8.80)	0.00–30.96	0.73	12.12	12.37 (8.38)	0.00–30.30	0.68	12.84	12.84 (9.18)	0.00–32.10	0.71
6	0.00	0.00 (0.00)	0.00–0.00		6.10	6.25 (5.98)	0.00–18.29	0.96	6.44	6.37 (6.42)	0.00–19.31	1.01
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.41	6.44 (6.29)	0.00–19.22	0.98
9	19.17	19.33 (13.65)	0.00–51.13	0.71	55.89	55.70 (28.96)	12.42–118.14	0.52	91.86	93.66 (35.22)	32.81–170.59	0.38
10	6.36	6.57 (6.22)	0.00–19.07	0.95	6.77	7.00 (6.92)	0.00–20.31	0.99	7.15	7.30 (7.01)	0.00–21.46	0.96
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		7.19	7.18 (7.06)	0.00–21.56	0.98
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.60	7.02 (6.69)	0.00–19.80	0.95
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		5.45	5.50 (5.54)	0.00–16.36	1.01	5.75	6.05 (5.87)	0.00–17.25	0.97
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	6.24	6.17 (6.16)	0.00–18.73	1.00	6.07	6.13 (5.80)	0.00–18.22	0.95	6.40	6.52 (6.46)	0.00–19.21	0.99
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.29 Lesser Black-backed Gull

Table 39: Lesser Black-backed Gull - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	
2	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	
3	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	
4	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	
5	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	
6	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	
7	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	
8	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	
9	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	
10	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	
11	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	
12	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	
13	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	
14	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	
15	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	
16	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0.0	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00 (0.00)	0.00–0.00		6.3	6.36 (6.31)	0.00–18.91	0.99
18	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
19	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
20	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
21	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
22	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
23	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
24	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
25	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
26	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
27	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
28	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
29	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	
30	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00 (0.00)	0.00–0.00		0.0	0.00 (0.00)	0.00–0.00	



Table 40: LesserBlackBackedGullApportioned - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	
2	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	
3	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	
4	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	
5	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	
6	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	
7	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	
8	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	6.41	6.44 (6.29)	0.00–19.22		0.98
9	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	
10	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	
11	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	
12	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	
13	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	
14	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	
15	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	
16	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	
17	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	6.30	6.36 (6.31)	0.00–18.91		0.99
18	0	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	0	0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
19	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00	0.00–0.00	0.00	0.00 (0.00)	0.00–0.00	0.00–0.00	
20	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00	0.00–0.00	0.00	0.00 (0.00)	0.00–0.00	0.00–0.00	
21	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00	0.00–0.00	0.00	0.00 (0.00)	0.00–0.00	0.00–0.00	
22	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00	0.00–0.00	0.00	0.00 (0.00)	0.00–0.00	0.00–0.00	
23	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00	0.00–0.00	0.00	0.00 (0.00)	0.00–0.00	0.00–0.00	
24	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00	0.00–0.00	0.00	0.00 (0.00)	0.00–0.00	0.00–0.00	
25	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00	0.00–0.00	0.00	0.00 (0.00)	0.00–0.00	0.00–0.00	
26	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00	0.00–0.00	0.00	0.00 (0.00)	0.00–0.00	0.00–0.00	
27	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00	0.00–0.00	0.00	0.00 (0.00)	0.00–0.00	0.00–0.00	
28	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00	0.00–0.00	0.00	0.00 (0.00)	0.00–0.00	0.00–0.00	
29	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00	0.00–0.00	0.00	0.00 (0.00)	0.00–0.00	0.00–0.00	
30	0	0.00 (0.00)	0.00–0.00	0	0.00 (0.00)	0.00–0.00	0.00–0.00	0.00	0.00 (0.00)	0.00–0.00	0.00–0.00	



2.30 Little Egret

Table 41: Little Egret - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
2	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
3	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
4	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
5	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
6	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
7	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
8	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
9	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
10	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
11	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
12	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
13	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
14	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
15	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	
16	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
Survey	WDA				WDA + 2 km				WDA + 4 km			
	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
18	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
19	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
20	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
21	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
22	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
23	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
24	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
25	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
26	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
27	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
28	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
29	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	
30	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	0	0	0.00 (0.00)	0.00–0.00	



2.31 Manx Shearwater

Table 42: Manx Shearwater - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	661.56	661.66 (168.34)	365.27–1008.24	0.25	793.67	792.11 (183.89)	463.93–1190.67	0.23	1,057.66	1067.77 (222.79)	683.78–1544.19	0.21
2	352.31	355.36 (144.39)	123.46–673.71	0.41	969.73	967.39 (391.80)	349.34–1819.15	0.41	1,237.83	1240.76 (452.10)	545.76–2253.65	0.36
3	1,770.58	1741.16 (1212.76)	335.48–4616.71	0.70	2,190.68	2142.93 (1189.30)	561.25–4859.32	0.55	2,600.67	2548.44 (1301.83)	777.65–5768.64	0.51
4	339.82	328.98 (172.46)	106.98–736.44	0.52	550.64	555.08 (180.32)	269.20–978.91	0.32	710.09	712.81 (192.97)	406.53–1155.68	0.27
5	2,941.61	2925.78 (919.04)	1356.08–5059.89	0.31	3,769.40	3788.63 (1023.59)	2011.51–5932.86	0.27	6,310.73	6298.68 (1736.94)	3248.13–10221.24	0.28
6	502.72	501.20 (102.48)	307.76–710.10	0.20	652.25	646.12 (110.24)	444.99–871.70	0.17	914.07	915.33 (148.84)	630.84–1223.22	0.16
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	6.45	6.53 (6.46)	0.00–19.34	0.99	13.72	13.30 (9.43)	0.00–34.31	0.71	14.38	14.08 (9.81)	0.00–35.94	0.70
13	322.45	319.54 (56.40)	212.82–438.53	0.18	557.33	559.32 (91.84)	394.52–763.99	0.16	673.19	667.24 (97.72)	501.43–877.79	0.15
14	12,346.54	12480.54 (3094.75)	6897.41–18817.79	0.25	16,821.61	16815.34 (3639.17)	10365.75–24056.26	0.22	18,167.38	18054.22 (4182.76)	10614.84–26469.39	0.23
15	513.91	509.55 (151.45)	247.51–835.87	0.30	4,179.28	4319.90 (3175.91)	563.63–11100.12	0.74	5,163.06	5054.50 (3454.42)	943.76–13329.40	0.68
16	2,274.40	2260.79 (771.07)	984.38–4032.07	0.34	3,399.85	3428.38 (995.53)	1711.87–5553.94	0.29	4,520.96	4505.45 (1317.23)	2304.45–7270.84	0.29
17	190.88	191.68 (42.08)	116.99–283.24	0.22	830.13	810.88 (515.40)	197.08–1953.20	0.64	1,115.95	1122.38 (546.21)	422.26–2345.70	0.49
18	18.15	17.99 (7.18)	6.05–30.25	0.40	23.67	23.73 (8.98)	5.92–41.42	0.38	100.35	100.27 (30.79)	43.90–163.07	0.31



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	0.00	0.00 (0.00)	0.00–0.00		6.07	6.25 (6.47)	0.00–24.29	1.04	6.39	6.52 (6.42)	0.00–19.18	0.98
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	163.56	160.93 (53.07)	69.04–276.79	0.33	244.56	246.77 (85.93)	103.94–427.98	0.35	276.68	274.25 (92.74)	122.26–476.16	0.34
25	2,005.14	1960.41 (465.88)	1140.30–2889.36	0.24	4,507.47	4519.69 (677.64)	3212.20–5896.13	0.15	5,378.51	5368.71 (910.26)	3694.86–7212.99	0.17
26	523.56	520.74 (222.33)	146.85–1034.52	0.43	1,018.77	1018.46 (385.08)	360.14–1844.98	0.38	1,953.96	1892.64 (969.39)	535.71–4117.20	0.51
27	5,200.46	5078.52 (1898.77)	1950.81–9235.73	0.37	6,444.34	6369.05 (2235.82)	2505.51–11302.74	0.35	7,407.86	7307.95 (2435.21)	3420.53–12772.06	0.33
28	3,187.24	3097.94 (1589.11)	836.57–6572.48	0.51	7,542.84	7379.51 (2784.02)	2480.35–13458.61	0.38	9,305.98	9085.11 (3289.09)	3177.97–16249.58	0.36
29	310.16	312.69 (82.32)	148.62–478.17	0.26	388.04	384.75 (93.61)	206.54–569.55	0.24	2,749.74	2738.27 (444.13)	1777.91–3754.46	0.16
30	543.27	543.20 (173.20)	262.05–920.53	0.32	1,017.71	1013.93 (267.30)	577.11–1557.74	0.26	1,392.54	1384.21 (298.98)	875.89–2020.32	0.22



Table 43: ManxShearwaterApportioned - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	661.56	661.66 (168.34)	365.27–1008.24	0.25	793.67	792.11 (183.89)	463.93–1190.67	0.23	1,057.66	1067.77 (222.79)	683.78–1544.19	0.21
2	352.31	355.36 (144.39)	123.46–673.71	0.41	969.73	967.39 (391.80)	349.34–1819.15	0.41	1,250.32	1252.92 (452.23)	558.35–2265.87	0.36
3	1,832.47	1803.88 (1212.98)	397.36–4690.31	0.67	2,274.84	2233.22 (1189.17)	639.42–4932.34	0.53	2,695.91	2643.52 (1301.27)	872.58–5871.03	0.49
4	412.54	401.95 (173.06)	180.37–809.16	0.43	643.09	646.96 (181.37)	360.94–1072.16	0.28	865.02	850.91 (194.65)	542.97–1311.36	0.23
5	2,978.05	2962.03 (919.19)	1416.38–5096.85	0.31	3,822.87	3854.46 (1023.34)	2070.88–5992.28	0.27	6,386.27	6374.97 (1736.87)	3323.57–10296.91	0.27
6	524.88	523.14 (102.71)	327.78–733.02	0.20	684.49	678.64 (110.55)	477.18–903.31	0.16	976.49	977.27 (149.36)	691.70–1278.29	0.15
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	6.45	6.53 (6.46)	0.00–19.34	0.99	13.72	13.30 (9.43)	0.00–34.31	0.71	14.38	14.08 (9.81)	0.00–35.94	0.70
13	1,141.04	1143.60 (99.69)	959.50–1337.01	0.09	1,640.36	1630.79 (144.96)	1339.24–1911.64	0.09	2,107.84	2098.60 (190.92)	1735.94–2483.69	0.09
14	12,352.71	12486.78 (3094.73)	6909.44–18823.97	0.25	16,833.61	16827.72 (3638.89)	10377.75–24068.26	0.22	18,192.70	18079.64 (4182.53)	10633.83–26506.90	0.23
15	563.29	558.35 (153.01)	297.02–885.45	0.27	4,239.06	4379.51 (3176.67)	623.50–11170.97	0.73	5,251.49	5143.43 (3455.88)	1006.91–13406.31	0.67
16	2,395.98	2384.25 (770.72)	1102.06–4170.74	0.32	3,656.45	3669.77 (997.02)	1921.76–5743.57	0.27	4,822.62	4800.75 (1318.48)	2589.28–7526.76	0.27
17	231.42	232.29 (44.83)	151.37–324.16	0.19	880.69	860.16 (525.84)	240.19–2024.24	0.61	1,181.19	1188.67 (557.66)	463.94–2429.17	0.47
18	36.30	36.23 (13.24)	10.59–62.01	0.37	50.29	50.00 (13.65)	25.15–79.91	0.27	128.58	127.93 (32.79)	67.42–192.90	0.26
19	0.00	0.00 (0.00)	0.00–0.00		1.56	1.53 (1.11)	0.00–3.90	0.73	2.46	2.41 (1.43)	0.00–5.75	0.59
20	0.00	0.00 (0.00)	0.00–0.00		6.07	6.25 (6.47)	0.00–24.29	1.04	6.39	6.52 (6.42)	0.00–19.18	0.98



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	289.37	286.23 (71.75)	153.46–427.80	0.25	459.77	463.57 (106.41)	282.47–697.12	0.23	508.33	510.01 (114.81)	302.42–746.44	0.23
25	2,075.61	2030.80 (466.05)	1216.86–2966.39	0.23	4,625.76	4636.76 (678.80)	3342.63–5983.60	0.15	5,548.84	5539.52 (910.44)	3910.72–7389.88	0.16
26	553.18	551.08 (224.05)	165.51–1071.10	0.41	1,087.93	1080.62 (384.28)	418.78–1902.31	0.36	2,050.96	1990.88 (971.16)	632.30–4184.98	0.49
27	5,244.66	5123.71 (1899.81)	2032.06–9292.32	0.37	6,505.87	6430.24 (2235.84)	2567.28–11358.74	0.35	7,517.88	7419.41 (2434.48)	3531.44–12874.76	0.33
28	3,495.58	3404.34 (1595.53)	1137.73–6861.95	0.47	8,024.43	7863.13 (2788.64)	2937.04–13948.61	0.35	9,968.20	9748.57 (3292.19)	3892.95–16912.59	0.34
29	329.15	330.93 (83.69)	161.54–497.56	0.25	412.56	409.07 (96.28)	225.32–600.45	0.24	2,795.05	2783.47 (444.30)	1835.51–3786.99	0.16
30	598.22	598.07 (174.21)	316.58–981.44	0.29	1,071.06	1067.02 (268.88)	619.15–1628.59	0.25	1,454.99	1446.03 (300.45)	931.29–2074.96	0.21



2.32 Puffin

Table 44: Puffin - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA				WDA + 2 km				WDA + 4 km				
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	18.90	18.79 (10.39)	0.00–44.10	0.55	26.90	26.72 (13.03)	6.73–53.81	0.49	28.20	27.65 (13.58)	7.05–56.41	0.49
2	6.18	6.00 (5.88)	0.00–18.54	0.98	12.05	12.02 (8.56)	0.00–30.12	0.71	31.74	31.90 (16.70)	0.00–63.64	0.52
3	24.85	24.36 (11.96)	0.00–49.70	0.49	24.14	24.08 (12.04)	6.03–48.28	0.50	25.50	25.03 (13.10)	0.00–50.99	0.52
4	176.21	175.29 (34.61)	113.27–251.72	0.20	244.73	244.82 (48.51)	146.84–348.74	0.20	342.14	342.86 (48.30)	251.76–438.97	0.14
5	18.58	18.66 (13.38)	0.00–49.54	0.72	18.18	18.39 (13.72)	0.00–48.48	0.75	25.68	25.42 (14.81)	0.00–57.78	0.58
6	175.95	174.62 (52.66)	81.69–282.94	0.30	219.45	220.33 (56.96)	121.92–335.27	0.26	276.80	277.08 (63.77)	160.93–411.98	0.23
7	6.13	5.96 (5.19)	0.00–18.40	0.87	5.99	5.85 (5.11)	0.00–17.96	0.87	18.96	19.13 (9.64)	0.00–37.92	0.50
8	6.25	6.34 (6.09)	0.00–18.74	0.96	6.08	6.41 (6.22)	0.00–18.24	0.97	25.63	25.96 (12.34)	6.41–51.26	0.48
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	45.14	44.92 (17.14)	12.90–83.84	0.38	62.62	63.52 (21.90)	25.05–106.46	0.34	72.60	72.89 (24.60)	33.00–125.40	0.34
14	24.77	24.51 (14.27)	0.00–55.73	0.58	48.15	46.95 (21.70)	12.04–90.28	0.46	76.20	77.47 (28.62)	25.40–139.70	0.37
15	61.92	61.51 (20.09)	24.77–99.07	0.33	59.96	59.82 (21.64)	17.99–101.93	0.36	63.35	62.08 (23.04)	19.01–107.70	0.37
16	4,947.60	4973.32 (821.33)	3451.95–6643.27	0.17	7,410.70	7379.18 (905.25)	5656.18–9134.83	0.12	9,816.58	9778.03 (993.69)	7879.62–11766.72	0.10



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	1,268.41	1257.64 (251.76)	794.29–1779.46	0.20	1,803.60	1802.96 (285.48)	1277.90–2383.05	0.16	2,446.26	2451.46 (335.11)	1821.93–3120.88	0.14
18	163.35	163.15 (32.08)	108.90–229.90	0.20	236.66	238.31 (45.50)	147.92–331.48	0.19	275.97	274.86 (49.61)	181.89–376.32	0.18
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		5.75	5.78 (5.79)	0.00–17.25	1.00
20	6.25	6.30 (6.13)	0.00–18.74	0.97	6.07	6.00 (5.97)	0.00–18.22	1.00	6.39	6.42 (6.48)	0.00–19.18	1.01
21	0.00	0.00 (0.00)	0.00–0.00		24.26	24.02 (16.77)	0.00–60.65	0.70	25.55	26.00 (18.08)	0.00–63.89	0.70
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	24.60	24.74 (11.86)	6.15–49.19	0.48	23.84	24.16 (11.99)	5.96–47.68	0.50	25.12	24.57 (12.35)	6.28–50.24	0.50
24	37.74	37.40 (16.91)	6.29–75.49	0.45	55.03	54.50 (18.73)	24.30–91.71	0.34	64.35	64.44 (21.53)	25.74–109.39	0.33
25	12.81	12.68 (9.05)	0.00–32.03	0.71	31.13	30.74 (16.04)	6.23–68.48	0.52	32.76	33.10 (17.21)	6.55–72.06	0.52
26	108.54	109.56 (28.83)	57.30–166.01	0.26	186.36	187.44 (36.90)	118.03–261.06	0.20	281.00	279.05 (48.36)	189.51–372.66	0.17
27	443.40	443.35 (73.35)	304.05–589.25	0.17	592.58	592.29 (82.16)	432.09–753.07	0.14	805.06	800.52 (93.60)	616.62–993.34	0.12
28	1,034.73	1030.33 (165.72)	721.60–1347.87	0.16	1,416.99	1416.93 (182.74)	1064.29–1776.19	0.13	1,748.95	1753.15 (219.48)	1344.18–2166.61	0.13
29	264.93	264.87 (36.95)	193.85–336.01	0.14	469.41	471.37 (66.12)	344.23–600.84	0.14	667.61	668.12 (74.80)	528.63–813.02	0.11
30	159.79	159.40 (37.94)	89.48–242.88	0.24	223.40	225.66 (45.05)	148.78–316.48	0.20	274.58	275.19 (48.41)	183.06–372.65	0.18



Table 45: PuffinApportioned - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	19.12	19.00 (10.39)	0.23–44.28	0.55	27.19	27.00 (13.03)	6.96–54.14	0.48	28.63	28.08 (13.58)	7.41–56.85	0.48
2	6.26	6.07 (5.88)	0.03–18.64	0.97	12.12	12.09 (8.56)	0.05–30.24	0.71	31.84	32.01 (16.70)	0.26–63.84	0.52
3	24.85	24.36 (11.96)	0.00–49.70	0.49	24.14	24.08 (12.04)	6.03–48.28	0.50	25.51	25.04 (13.10)	0.04–51.02	0.52
4	179.26	178.34 (34.57)	115.89–253.91	0.19	248.97	249.50 (48.72)	154.38–352.13	0.20	347.95	348.27 (48.35)	256.23–444.79	0.14
5	18.75	18.82 (13.38)	0.11–49.67	0.71	18.36	18.59 (13.72)	0.14–48.75	0.74	25.96	25.70 (14.81)	0.32–58.02	0.58
6	179.10	177.79 (52.62)	85.88–287.58	0.30	225.05	225.95 (57.03)	127.48–337.43	0.25	285.93	286.17 (63.84)	171.10–421.67	0.22
7	6.42	6.25 (5.19)	0.10–18.59	0.83	6.36	6.22 (5.12)	0.09–18.33	0.82	19.55	19.73 (9.64)	1.18–38.81	0.49
8	6.32	6.41 (6.09)	0.04–18.86	0.95	6.15	6.49 (6.22)	0.04–18.35	0.96	25.70	26.03 (12.34)	6.44–51.33	0.47
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	45.41	45.19 (17.14)	13.21–84.11	0.38	62.97	63.85 (21.90)	25.40–106.91	0.34	73.04	73.34 (24.60)	33.38–126.02	0.34
14	24.86	24.60 (14.27)	0.11–55.81	0.58	48.25	47.05 (21.70)	12.10–90.41	0.46	76.31	77.58 (28.62)	25.49–139.79	0.37
15	62.17	61.75 (20.09)	24.89–99.44	0.33	60.20	60.06 (21.64)	18.23–102.30	0.36	63.61	62.34 (23.03)	19.13–107.95	0.37
16	5,029.29	5054.70 (823.29)	3523.97–6746.30	0.16	7,541.00	7509.85 (906.75)	5805.83–9266.79	0.12	9,990.51	9952.86 (996.49)	8046.03–11956.84	0.10
17	1,278.16	1267.39 (251.92)	801.58–1784.40	0.20	1,822.52	1824.53 (285.21)	1296.82–2407.86	0.16	2,471.24	2476.59 (335.37)	1841.94–3144.76	0.14
18	165.72	165.55 (32.16)	109.67–232.27	0.19	238.99	240.67 (45.51)	150.99–337.25	0.19	280.07	278.99 (49.67)	185.97–380.44	0.18



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
19	0.01	0.01 (0.00)	0.00–0.01	0.00	0.01	0.01 (0.01)	0.00–0.03	1.00	5.77	5.80 (5.79)	0.01–17.28	1.00
20	6.25	6.30 (6.13)	0.00–18.74	0.97	6.07	6.00 (5.97)	0.00–18.22	1.00	6.39	6.42 (6.48)	0.00–19.18	1.01
21	0.02	0.02 (0.02)	0.00–0.05	1.00	24.40	24.16 (16.80)	0.05–60.92	0.70	25.70	26.15 (18.12)	0.04–64.18	0.69
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.01	0.01 (0.01)	0.00–0.02	1.00
23	24.63	24.77 (11.86)	6.17–49.24	0.48	23.89	24.20 (11.99)	5.99–47.74	0.50	25.19	24.64 (12.35)	6.33–50.32	0.50
24	37.83	37.50 (16.91)	6.42–75.58	0.45	55.27	54.75 (18.73)	24.40–91.97	0.34	64.60	64.69 (21.53)	26.00–109.65	0.33
25	12.81	12.68 (9.05)	0.00–32.03	0.71	31.13	30.74 (16.04)	6.23–68.48	0.52	32.76	33.10 (17.21)	6.55–72.06	0.52
26	109.13	110.15 (28.83)	57.41–166.77	0.26	187.35	188.42 (36.90)	119.01–262.43	0.20	282.39	280.43 (48.35)	191.07–374.28	0.17
27	443.68	443.64 (73.36)	304.60–590.62	0.17	593.41	593.13 (82.19)	433.18–753.91	0.14	806.22	801.70 (93.56)	617.25–993.93	0.12
28	1,037.94	1033.53 (165.68)	723.13–1349.94	0.16	1,421.79	1421.79 (182.70)	1068.22–1779.81	0.13	1,756.10	1760.29 (219.57)	1349.53–2172.03	0.12
29	269.28	269.24 (37.09)	197.12–341.45	0.14	477.84	479.85 (66.09)	350.50–612.46	0.14	678.73	679.06 (74.96)	536.56–823.19	0.11
30	161.48	161.11 (37.97)	91.18–243.89	0.24	225.38	227.62 (45.02)	149.18–318.81	0.20	277.36	277.95 (48.45)	186.53–376.13	0.17



Table 46: PuffinAppORTionedCorrected - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	22.27	22.13 (12.11)	0.26–51.59	0.55	31.67	31.44 (15.18)	8.10–63.07	0.48	33.35	32.71 (15.82)	8.62–66.22	0.48
2	7.29	7.07 (6.85)	0.03–21.72	0.97	14.12	14.09 (9.98)	0.06–35.23	0.71	37.10	37.29 (19.46)	0.31–74.38	0.52
3	28.95	28.38 (13.93)	0.00–57.90	0.49	28.12	28.05 (14.03)	7.03–56.25	0.50	29.72	29.18 (15.27)	0.05–59.44	0.52
4	208.83	207.77 (40.28)	135.01–295.81	0.19	290.04	290.67 (56.75)	179.85–410.23	0.20	405.36	405.73 (56.32)	298.51–518.18	0.14
5	21.84	21.93 (15.59)	0.13–57.86	0.71	21.38	21.66 (15.98)	0.17–56.80	0.74	30.24	29.94 (17.25)	0.38–67.60	0.58
6	208.65	207.12 (61.30)	100.05–335.03	0.30	262.18	263.23 (66.44)	148.51–393.11	0.25	333.11	333.39 (74.38)	199.33–491.24	0.22
7	7.48	7.28 (6.05)	0.11–21.66	0.83	7.41	7.24 (5.97)	0.11–21.36	0.82	22.76	22.97 (11.23)	1.32–45.19	0.49
8	7.37	7.47 (7.09)	0.04–21.97	0.95	7.17	7.56 (7.25)	0.04–21.37	0.96	29.94	30.32 (14.38)	7.51–59.80	0.47
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	52.91	52.47 (21.52)	15.30–97.95	0.41	73.36	73.27 (25.18)	29.57–124.46	0.34	85.10	85.44 (30.00)	31.24–154.17	0.35
14	28.96	28.66 (16.63)	0.12–65.02	0.58	56.21	54.82 (25.28)	14.10–105.33	0.46	88.90	90.38 (33.35)	29.70–162.86	0.37
15	72.42	71.94 (23.40)	29.00–115.85	0.33	70.14	69.97 (25.21)	21.24–119.17	0.36	74.10	72.62 (26.83)	22.29–125.76	0.37
16	5,855.01	5884.30 (961.90)	4093.75–7867.99	0.16	8,781.28	8744.87 (1060.34)	6746.25–10802.71	0.12	11,632.66	11590.47 (1164.70)	9374.08–13904.76	0.10
17	1,488.04	1475.82 (293.21)	927.13–2079.04	0.20	2,122.25	2123.79 (331.83)	1510.92–2794.52	0.16	2,877.95	2884.39 (390.71)	2138.81–3668.67	0.14
18	193.07	192.87 (37.46)	127.77–270.60	0.19	278.42	280.38 (53.01)	175.91–392.90	0.19	326.28	325.03 (57.87)	216.66–443.22	0.18



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
19	0.01	0.01 (0.00)	0.00–0.02	0.00	0.02	0.02 (0.01)	0.00–0.04	0.50	6.72	6.76 (6.75)	0.01–20.13	1.00
20	7.28	7.34 (7.14)	0.00–21.83	0.97	7.08	6.99 (6.96)	0.00–21.23	1.00	7.45	7.48 (7.55)	0.00–22.34	1.01
21	0.02	0.02 (0.02)	0.00–0.06	1.00	28.43	28.14 (19.58)	0.06–70.97	0.70	29.94	30.46 (21.11)	0.04–74.77	0.69
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.01	0.01 (0.01)	0.00–0.02	1.00
23	28.69	28.86 (13.81)	7.19–57.37	0.48	27.83	28.20 (13.97)	6.98–55.62	0.50	29.35	28.71 (14.38)	7.37–58.63	0.50
24	44.08	43.68 (19.70)	7.48–88.05	0.45	64.39	63.78 (21.81)	28.42–107.15	0.34	75.26	75.37 (25.08)	30.29–127.74	0.33
25	14.93	14.78 (10.54)	0.00–37.32	0.71	36.27	35.81 (18.68)	7.25–79.78	0.52	38.16	38.57 (20.05)	7.63–83.95	0.52
26	127.14	128.33 (33.59)	66.89–194.29	0.26	218.26	219.51 (42.99)	138.65–305.73	0.20	328.98	326.70 (56.33)	222.60–436.04	0.17
27	515.85	513.23 (87.18)	353.48–691.59	0.17	689.28	689.73 (100.98)	500.89–883.51	0.15	935.98	938.61 (116.36)	721.40–1171.66	0.12
28	1,207.10	1202.59 (193.77)	833.24–1582.38	0.16	1,653.33	1652.94 (214.45)	1242.77–2089.79	0.13	2,042.63	2047.90 (256.65)	1560.84–2531.75	0.13
29	313.71	313.66 (43.21)	229.64–397.79	0.14	556.68	559.03 (77.00)	408.34–713.51	0.14	790.72	791.10 (87.33)	625.09–959.01	0.11
30	188.13	187.70 (44.23)	106.22–284.14	0.24	262.56	265.17 (52.45)	173.80–371.41	0.20	323.13	323.81 (56.44)	217.31–438.19	0.17



2.33 Razorbill

Table 47: Razorbill - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA				WDA + 2 km				WDA + 4 km				
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	3,843.32	3827.50 (647.85)	2683.71–5235.90	0.17	4,930.15	4891.05 (781.19)	3503.90–6531.94	0.16	5,732.53	5697.47 (888.23)	4124.71–7601.95	0.16
2	129.80	130.14 (30.63)	74.17–191.61	0.24	168.65	169.28 (35.25)	102.39–240.93	0.21	266.61	267.31 (61.78)	152.35–393.57	0.23
3	242.29	243.54 (29.06)	186.38–304.42	0.12	283.64	283.86 (35.95)	217.11–356.06	0.13	344.21	343.19 (45.41)	254.97–427.07	0.13
4	138.45	138.40 (33.67)	81.81–207.67	0.24	214.14	213.19 (42.60)	134.60–299.79	0.20	309.86	311.28 (54.52)	206.57–419.60	0.18
5	198.17	196.23 (39.37)	123.86–272.49	0.20	278.77	277.60 (51.02)	181.80–387.85	0.18	340.25	341.20 (52.32)	243.96–449.39	0.15
6	18.85	30.85 (13.35)	6.28–56.56	0.43	121.92	118.69 (65.09)	18.29–262.27	0.55	180.24	172.32 (89.77)	38.62–366.92	0.52
7	98.14	97.56 (34.85)	30.67–165.61	0.36	113.73	112.22 (42.27)	35.92–197.69	0.38	176.97	175.54 (62.94)	69.52–309.70	0.36
8	18.74	18.73 (13.08)	0.00–49.99	0.70	36.48	36.02 (15.17)	12.16–66.88	0.42	57.66	58.33 (22.05)	19.22–102.51	0.38
9	1,118.38	1116.06 (611.81)	300.36–2486.31	0.55	2,303.77	2293.07 (745.63)	1074.27–3887.38	0.33	3,070.68	3093.22 (822.69)	1699.21–4842.40	0.27
10	31.79	31.28 (13.60)	6.36–57.22	0.43	175.99	172.47 (129.48)	20.31–460.45	0.75	193.14	191.51 (140.79)	28.61–486.62	0.74
11	507.44	517.42 (136.60)	277.32–820.16	0.26	661.02	653.69 (164.38)	342.11–1008.93	0.25	918.73	923.00 (219.94)	514.33–1365.99	0.24
12	586.67	582.55 (62.88)	477.08–715.61	0.11	1,084.20	1086.12 (118.00)	857.75–1324.37	0.11	1,595.75	1596.35 (154.16)	1293.67–1912.02	0.10
13	3,675.93	3698.19 (412.95)	2933.97–4566.05	0.11	5,141.25	5116.12 (687.87)	3856.87–6512.82	0.13	6,448.12	6441.25 (838.25)	4949.94–8191.49	0.13
14	235.29	236.32 (52.15)	142.41–340.55	0.22	300.92	300.60 (65.86)	174.54–445.37	0.22	425.45	420.98 (94.84)	247.65–609.60	0.23
15	80.49	79.25 (30.26)	30.96–148.60	0.38	95.94	96.60 (31.74)	41.97–161.89	0.33	145.71	145.86 (40.00)	76.02–228.06	0.27
16	3,352.40	3352.98 (642.50)	2155.85–4580.11	0.19	4,748.90	4768.11 (684.57)	3460.19–6092.66	0.14	5,721.05	5750.90 (715.98)	4381.11–7264.17	0.12
17	203.19	205.83 (61.43)	104.67–338.65	0.30	346.39	345.02 (76.48)	215.00–507.64	0.22	479.17	476.53 (99.25)	308.78–681.08	0.21
18	211.75	212.64 (174.40)	18.15–580.79	0.82	236.66	238.66 (177.81)	35.50–623.76	0.75	288.51	282.69 (178.44)	62.72–677.53	0.63



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
19	982.61	986.06 (305.24)	466.04–1633.94	0.31	3,916.11	3858.28 (1620.86)	1374.32–7527.06	0.42	6,572.55	6544.16 (2291.19)	2672.86–11622.71	0.35
20	768.23	762.77 (233.46)	368.50–1261.65	0.31	1,129.58	1134.02 (286.01)	655.58–1725.35	0.25	1,342.53	1339.77 (304.37)	799.12–1956.41	0.23
21	617.40	625.36 (122.70)	392.73–885.56	0.20	2,711.20	2712.19 (1496.59)	758.17–6053.66	0.55	3,194.32	3261.69 (1564.42)	1098.85–6644.67	0.48
22	243.45	239.33 (60.23)	131.09–362.21	0.25	285.44	291.24 (66.71)	163.98–425.13	0.23	416.22	414.34 (85.61)	256.14–589.11	0.21
23	190.63	191.96 (43.30)	116.84–276.87	0.23	226.49	226.40 (47.82)	142.89–321.85	0.21	364.26	361.33 (68.55)	232.21–496.30	0.19
24	3,208.24	3212.19 (286.66)	2654.66–3774.56	0.09	5,117.41	5125.93 (449.87)	4298.13–6016.31	0.09	6,331.58	6341.14 (573.51)	5256.69–7547.87	0.09
25	89.69	89.56 (21.07)	51.25–134.53	0.24	205.45	205.74 (35.13)	143.04–273.93	0.17	268.60	267.93 (48.45)	176.88–360.48	0.18
26	715.11	715.17 (79.17)	555.49–868.35	0.11	1,484.68	1488.95 (165.30)	1180.29–1813.92	0.11	2,143.47	2144.04 (235.93)	1699.10–2594.55	0.11
27	380.06	378.81 (62.63)	259.71–506.74	0.17	469.13	469.20 (69.61)	339.50–611.10	0.15	584.32	584.97 (79.42)	434.99–746.63	0.14
28	1,935.34	1919.94 (351.29)	1271.06–2657.09	0.18	3,793.08	3835.88 (864.10)	2430.85–5859.93	0.23	4,966.24	4977.76 (964.85)	3393.32–7008.86	0.19
29	180.93	180.71 (40.59)	103.39–258.47	0.22	287.90	288.02 (56.87)	187.76–400.56	0.20	370.16	369.41 (65.25)	244.57–502.36	0.18
30	127.83	127.44 (52.45)	44.74–242.88	0.41	273.04	270.75 (68.51)	148.93–415.77	0.25	326.89	322.77 (77.15)	183.06–483.96	0.24



Table 48: Razorbill Apportioned - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	6,408.37	6393.88 (882.90)	4808.82–8236.97	0.14	8,199.28	8143.40 (1056.15)	6203.89–10438.61	0.13	9,827.47	9789.55 (1189.64)	7710.17–12260.48	0.12
2	135.15	135.81 (30.75)	77.29–198.26	0.23	176.56	177.97 (35.34)	112.80–250.46	0.20	278.93	279.74 (61.80)	165.61–406.29	0.22
3	255.17	256.40 (29.03)	199.65–315.67	0.11	297.74	299.63 (35.95)	230.14–371.56	0.12	363.08	362.04 (45.57)	272.57–445.87	0.13
4	150.21	150.06 (33.68)	91.56–220.64	0.22	234.41	235.44 (42.81)	158.01–325.06	0.18	340.57	342.23 (54.69)	241.67–451.65	0.16
5	209.95	208.07 (39.34)	135.75–286.11	0.19	292.36	292.66 (51.11)	198.50–401.16	0.17	361.08	361.99 (52.44)	262.90–466.15	0.14
6	40.47	39.75 (13.45)	16.06–67.32	0.34	135.83	132.48 (65.06)	36.47–277.18	0.49	198.17	190.24 (89.76)	58.02–385.98	0.47
7	266.68	268.09 (44.33)	183.13–360.64	0.17	307.67	303.65 (50.56)	208.32–407.73	0.17	454.30	452.93 (72.31)	323.85–605.73	0.16
8	34.03	34.14 (14.10)	11.45–63.85	0.41	67.17	66.80 (20.04)	33.12–107.84	0.30	101.28	100.38 (29.81)	48.73–163.28	0.30
9	2,376.49	2360.23 (770.85)	1068.20–3938.69	0.33	5,404.60	5324.71 (1351.56)	2946.25–8196.33	0.25	9,002.55	8996.05 (1853.39)	5714.28–12901.96	0.21
10	718.22	596.89 (186.34)	281.11–991.35	0.31	1,073.68	1077.35 (288.10)	567.28–1670.31	0.27	1,209.03	1205.09 (308.84)	651.54–1869.69	0.26
11	804.25	813.05 (138.74)	555.62–1111.69	0.17	1,054.16	1047.17 (170.81)	726.72–1412.97	0.16	1,422.98	1432.68 (228.32)	1025.43–1903.46	0.16
12	1,199.95	1194.97 (89.75)	1029.18–1375.09	0.08	1,935.75	1935.43 (137.20)	1677.90–2204.87	0.07	2,751.95	2744.94 (181.99)	2383.98–3114.92	0.07
13	4,329.45	4357.07 (430.60)	3558.14–5252.26	0.10	6,014.12	5981.67 (706.90)	4700.55–7395.69	0.12	7,549.38	7546.26 (839.38)	6020.59–9269.88	0.11
14	242.03	243.44 (52.14)	149.46–345.83	0.21	311.02	310.72 (66.04)	183.07–452.42	0.21	437.16	432.65 (94.90)	258.53–620.75	0.22
15	83.85	82.63 (30.48)	32.92–150.33	0.37	99.47	100.13 (31.77)	45.21–166.27	0.32	151.45	151.86 (40.04)	82.05–233.24	0.26
16	3,614.79	3617.03 (644.21)	2426.92–4850.80	0.18	5,175.41	5190.77 (692.20)	3891.66–6548.03	0.13	6,248.16	6280.67 (728.51)	4918.51–7799.56	0.12
17	249.10	251.72 (62.15)	149.47–384.25	0.25	419.30	418.34 (81.17)	275.47–590.23	0.19	568.88	567.74 (102.87)	392.96–782.43	0.18
18	286.56	287.68 (174.69)	83.36–663.34	0.61	333.47	337.26 (178.44)	127.04–753.46	0.53	429.08	421.86 (179.40)	195.32–823.43	0.43
19	1,234.06	1247.59 (309.25)	717.43–1906.98	0.25	4,856.21	4799.85 (1644.94)	2185.65–8465.56	0.34	8,084.71	8080.87 (2325.19)	4094.38–13386.24	0.29
20	871.92	869.19 (232.93)	471.03–1359.12	0.27	1,285.41	1289.75 (287.88)	803.63–1883.08	0.22	1,546.23	1544.50 (305.51)	1001.41–2159.46	0.20



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
21	936.78	948.69 (130.35)	698.28–1207.29	0.14	3,260.10	3306.74 (1536.78)	1286.69–6691.10	0.46	3,955.82	4019.80 (1570.73)	1845.07–7383.06	0.39
22	283.56	278.76 (60.39)	169.28–401.88	0.22	351.90	358.22 (66.66)	231.32–498.86	0.19	502.68	500.85 (85.76)	337.41–667.92	0.17
23	209.37	210.75 (43.35)	134.18–298.72	0.21	247.59	247.90 (47.86)	162.30–345.33	0.19	392.97	389.98 (68.66)	257.12–526.51	0.18
24	3,438.57	3442.34 (293.91)	2865.81–4024.42	0.09	5,562.93	5570.89 (460.14)	4713.68–6497.31	0.08	6,866.80	6862.78 (583.76)	5748.24–8090.14	0.09
25	90.87	90.74 (21.06)	52.09–135.21	0.23	209.71	209.85 (35.27)	145.91–278.20	0.17	273.77	273.08 (48.71)	180.68–367.47	0.18
26	752.01	753.82 (79.56)	589.94–912.30	0.11	1,543.65	1548.11 (165.60)	1243.71–1870.10	0.11	2,225.74	2224.15 (236.25)	1776.31–2682.13	0.11
27	389.33	388.30 (62.81)	268.63–516.02	0.16	480.59	480.67 (69.80)	352.78–619.97	0.15	598.37	599.03 (79.57)	449.77–763.09	0.13
28	2,048.95	2038.30 (355.17)	1383.63–2790.72	0.17	4,073.13	4115.34 (880.58)	2634.67–6142.32	0.21	5,292.32	5301.49 (977.04)	3685.69–7321.21	0.18
29	202.24	201.07 (40.88)	125.83–280.82	0.20	320.88	321.88 (57.28)	218.59–434.17	0.18	409.50	408.65 (65.89)	286.32–541.76	0.16
30	145.05	144.75 (52.58)	59.87–262.33	0.36	293.11	292.84 (68.69)	170.62–430.90	0.23	353.65	350.36 (77.42)	210.28–514.74	0.22



Table 49: RazorbillApportionedCorrected - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	7,741.48	7724.54 (1067.75)	5822.01–9955.26	0.14	9,898.23	9830.26 (1275.71)	7454.13–12587.17	0.13	11,861.27	11817.37 (1436.01)	9311.43–14776.50	0.12
2	163.59	164.38 (37.24)	93.53–240.09	0.23	213.67	215.33 (42.79)	136.34–302.97	0.20	337.51	338.48 (74.83)	200.27–491.81	0.22
3	309.01	310.50 (35.16)	241.78–382.28	0.11	360.56	362.85 (43.53)	278.70–449.95	0.12	439.69	438.43 (55.19)	330.08–539.94	0.13
4	181.91	181.73 (40.78)	110.88–267.20	0.22	283.79	285.03 (51.85)	191.11–393.40	0.18	412.34	414.35 (66.24)	292.58–546.94	0.16
5	254.16	251.88 (47.64)	164.36–346.42	0.19	353.96	354.29 (61.89)	240.11–485.70	0.17	437.13	438.23 (63.51)	318.30–564.37	0.14
6	49.01	48.14 (16.29)	19.44–81.53	0.34	164.49	160.44 (78.79)	44.17–335.67	0.49	239.98	230.38 (108.70)	70.26–467.43	0.47
7	313.53	319.49 (61.88)	222.40–476.65	0.19	363.39	362.41 (60.88)	249.62–491.70	0.17	540.17	540.40 (83.13)	389.72–717.85	0.15
8	41.22	41.35 (17.07)	13.87–77.33	0.41	81.34	80.89 (24.27)	40.10–130.60	0.30	122.65	121.56 (36.10)	59.01–197.73	0.30
9	2,834.69	2814.70 (934.03)	1247.66–4712.60	0.33	6,470.13	6370.63 (1632.45)	3530.61–9774.47	0.26	10,808.40	10799.28 (2240.43)	6839.53–15497.26	0.21
10	868.76	721.81 (225.67)	339.29–1199.40	0.31	1,298.79	1303.23 (348.87)	685.54–2021.42	0.27	1,461.35	1456.57 (374.02)	786.35–2260.65	0.26
11	973.17	983.82 (168.00)	672.45–1345.28	0.17	1,275.63	1266.58 (206.85)	878.72–1709.54	0.16	1,721.41	1733.16 (276.49)	1240.37–2303.24	0.16
12	1,448.07	1442.07 (108.76)	1242.57–1662.61	0.08	2,338.17	2338.05 (165.49)	2028.75–2662.12	0.07	3,324.98	3316.79 (220.38)	2884.13–3767.64	0.07
13	5,213.23	5212.02 (495.73)	4294.32–6167.06	0.10	7,242.83	7223.12 (799.35)	5795.57–8952.09	0.11	9,086.97	9095.36 (966.47)	7294.92–11054.83	0.11
14	293.10	294.81 (63.14)	181.00–418.80	0.21	376.63	376.27 (79.97)	221.70–547.88	0.21	529.39	523.92 (114.93)	313.08–751.73	0.22
15	101.49	102.34 (35.11)	41.10–177.43	0.34	120.34	122.39 (37.25)	55.85–200.87	0.30	181.94	182.34 (47.80)	96.37–286.98	0.26
16	4,376.20	4378.87 (780.03)	2945.08–5874.13	0.18	6,266.15	6284.51 (837.70)	4711.61–7928.56	0.13	7,563.85	7603.08 (882.59)	5954.90–9443.90	0.12
17	301.66	304.83 (75.26)	181.01–465.33	0.25	507.77	506.61 (98.29)	333.60–714.77	0.19	688.91	687.53 (124.57)	475.87–947.52	0.18
18	305.43	312.84 (175.51)	98.33–690.80	0.56	360.81	361.18 (173.36)	145.22–743.81	0.48	474.00	475.62 (186.18)	234.96–873.91	0.39
19	1,454.07	1467.11 (379.69)	829.84–2308.79	0.26	5,821.39	5760.23 (1971.40)	2710.09–10027.88	0.34	9,703.45	9705.98 (2798.47)	4892.45–16124.06	0.29
20	1,037.44	1033.52 (284.61)	548.45–1647.34	0.28	1,532.06	1536.91 (346.97)	962.59–2261.01	0.23	1,835.59	1842.76 (367.40)	1192.52–2600.60	0.20



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
21	1,113.54	1126.24 (150.24)	847.53–1445.86	0.13	3,926.38	3983.39 (1857.62)	1567.30–8104.83	0.47	4,754.73	4828.91 (1897.21)	2218.05–8935.71	0.39
22	343.39	337.57 (73.13)	204.99–486.68	0.22	426.15	433.80 (80.73)	280.13–604.12	0.19	608.74	606.53 (103.86)	408.61–808.85	0.17
23	253.52	255.19 (52.49)	162.44–361.66	0.21	299.80	300.18 (57.96)	196.55–418.19	0.19	475.83	472.21 (83.15)	311.37–637.60	0.18
24	4,114.82	4113.40 (359.62)	3418.56–4816.43	0.09	6,659.87	6674.70 (577.08)	5606.31–7825.64	0.09	8,225.34	8221.60 (711.81)	6849.91–9737.03	0.09
25	110.04	109.89 (25.50)	63.08–163.74	0.23	253.96	254.13 (42.72)	176.69–336.90	0.17	331.54	330.70 (58.99)	218.80–445.00	0.18
26	902.46	903.94 (90.61)	711.45–1080.04	0.10	1,861.36	1864.09 (195.50)	1503.37–2255.21	0.10	2,684.06	2681.81 (281.43)	2154.53–3241.87	0.10
27	471.44	470.19 (76.06)	325.27–624.87	0.16	581.95	582.05 (84.53)	427.15–750.78	0.15	724.55	725.35 (96.36)	544.67–924.03	0.13
28	2,460.87	2480.29 (438.48)	1647.94–3412.59	0.18	4,911.48	4967.18 (1030.34)	3185.12–7217.28	0.21	6,382.63	6391.51 (1185.90)	4435.25–8894.95	0.19
29	244.91	243.49 (49.50)	152.38–340.08	0.20	388.58	389.79 (69.37)	264.71–525.78	0.18	495.90	494.88 (79.79)	346.73–656.07	0.16
30	160.82	158.71 (55.34)	68.40–283.05	0.35	327.46	332.40 (81.30)	191.77–503.26	0.24	399.30	397.38 (88.57)	237.86–587.69	0.22



2.34 Red-throated Diver

Table 50: Red-throated Diver - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	6.13	6.23 (6.20)	0.00–24.54	1.00	5.99	6.08 (5.91)	0.00–17.96	0.97	6.32	6.38 (6.39)	0.00–18.96	1.00
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	6.38	6.61 (6.37)	0.00–19.15	0.96	6.21	6.02 (6.13)	0.00–18.64	1.02	6.53	6.52 (6.36)	0.00–19.60	0.98
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.35 Small Gull species

Table 51: Small Gull species - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	6.30	6.36 (6.24)	0.00–18.90	0.98	6.73	6.48 (6.39)	0.00–20.18	0.99	7.05	7.20 (7.11)	0.00–21.33	0.99
2	6.18	6.04 (6.26)	0.00–18.54	1.04	6.02	6.21 (6.09)	0.00–18.07	0.98	6.35	6.64 (6.39)	0.00–19.04	0.96
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		6.12	6.28 (6.35)	0.00–24.47	1.01	6.46	6.33 (6.52)	0.00–19.37	1.03
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		12.16	12.46 (11.05)	0.00–36.48	0.89	12.81	12.92 (11.73)	0.00–38.44	0.91
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.56	6.59 (6.45)	0.00–19.68	0.98
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	6.45	6.29 (6.31)	0.00–19.34	1.00	6.86	6.78 (6.60)	0.00–20.59	0.97	7.19	7.10 (7.10)	0.00–21.56	1.00
13	6.45	5.94 (6.24)	0.00–19.35	1.05	6.26	6.24 (6.25)	0.00–18.79	1.00	6.60	6.40 (6.62)	0.00–19.80	1.03
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		5.45	5.27 (5.45)	0.00–16.36	1.03	5.75	5.95 (5.97)	0.00–23.00	1.00
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	6.29	6.32 (6.23)	0.00–18.87	0.99	6.11	6.44 (6.21)	0.00–18.34	0.96	6.43	6.49 (6.48)	0.00–19.30	1.00
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		6.21	6.26 (6.09)	0.00–18.64	0.97	6.53	6.93 (6.58)	0.00–19.60	0.95
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.36 Sooty Shearwater

Table 52: Sooty Shearwater - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	6.23	5.96 (6.26)	0.00–18.69	1.05	18.15	18.55 (10.14)	0.00–42.35	0.55	19.05	18.90 (10.70)	0.00–44.45	0.57



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	6.25	6.33 (6.16)	0.00–18.74	0.97	6.07	6.00 (6.06)	0.00–18.22	1.01	6.39	6.69 (6.37)	0.00–19.18	0.95
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.61	6.40 (6.40)	0.00–19.83	1.00
30	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



2.37 Unidentified Bird species

Table 53: Unidentified Bird species - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	0.00	0.00 (0.00)	0.00–0.00		5.99	5.94 (5.80)	0.00–17.96	0.98	6.32	6.21 (5.93)	0.00–18.96	0.95
8	12.50	12.34 (8.64)	0.00–31.24	0.70	12.16	12.52 (8.52)	0.00–30.40	0.68	25.63	25.37 (12.96)	6.41–57.66	0.51
9	6.39	6.16 (6.48)	0.00–19.17	1.05	6.21	6.43 (6.11)	0.00–18.63	0.95	6.56	6.48 (6.51)	0.00–19.68	1.00
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
15	12.38	12.22 (8.66)	0.00–30.96	0.71	11.99	12.19 (8.56)	0.00–29.98	0.70	12.67	12.59 (8.56)	0.00–31.68	0.68
16	12.46	12.19 (12.05)	0.00–37.39	0.99	18.15	18.02 (13.46)	0.00–48.40	0.75	19.05	18.68 (13.88)	0.00–50.80	0.74



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.00	0.00 (0.00)	0.00–0.00		5.97	6.00 (5.80)	0.00–17.92	0.97	12.61	12.61 (8.90)	0.00–31.52	0.71
18	12.10	12.20 (7.42)	0.00–24.35	0.61	23.67	23.89 (10.88)	5.92–47.33	0.46	25.09	24.94 (12.07)	6.27–50.18	0.48
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	6.25	6.30 (6.24)	0.00–18.74	0.99	12.15	12.25 (8.56)	0.00–30.37	0.70	12.79	13.04 (8.78)	0.00–31.96	0.67
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		6.43	6.31 (6.29)	0.00–19.30	1.00
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	6.39	6.29 (5.96)	0.00–19.16	0.95	37.13	37.73 (15.22)	12.38–68.06	0.40	39.16	38.68 (16.30)	13.05–78.31	0.42
29	25.85	26.22 (13.35)	6.46–58.16	0.51	31.29	31.26 (13.21)	6.26–56.33	0.42	33.05	32.73 (14.69)	6.61–66.10	0.45
30	0.00	0.00 (0.00)	0.00–0.00		6.21	6.34 (6.17)	0.00–18.62	0.97	6.54	6.51 (6.58)	0.00–19.61	1.01



2.38 Wader species

Table 54: Wader species - Abundances extrapolated and calculated in 30 digital aerial surveys (DAS) for birds sat on the water and in flight in the Windfarm Development Area (WDA), WDA plus 2 km buffer and WDA plus 4 km buffer. Abundance is presented with an estimate, mean of bootstraps (Mean) with standard deviation (SD), upper and lower confidence intervals (95% CI) and coefficient of variation (CV).

Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
1	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
2	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
3	0.00	0.00 (0.00)	0.00–0.00		12.07	11.88 (11.64)	0.00–36.21	0.98	12.75	13.36 (13.18)	0.00–38.25	0.99
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
5	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
6	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
7	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
8	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
9	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
10	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
11	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
12	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
13	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
15	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
16	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	



Abundances (birds) – Sitting and Flying												
WDA					WDA + 2 km				WDA + 4 km			
Survey	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV	Estimate	Mean (SD)	95% CI	CV
17	0.00	0.00 (0.00)	0.00–0.00		167.22	165.72 (160.38)	0.00–501.66	0.97	176.53	169.47 (169.82)	0.00–529.60	1.00
18	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
19	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
22	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
23	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
24	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
25	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
26	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
27	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
28	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00	
29	38.77	37.18 (35.96)	0.00–116.31	0.97	37.55	37.14 (37.10)	0.00–112.66	1.00	39.66	41.44 (39.90)	0.00–118.98	0.96
30	70.31	70.46 (48.82)	0.00–185.35	0.69	68.26	69.67 (47.69)	0.00–173.75	0.68	71.92	71.99 (51.10)	0.00–183.22	0.71





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