



# Annex 11.2H: Density estimates per survey of sitting and flying birds

## MachairWind Offshore Ornithology

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## 1.0 Introduction

1. This **Annex 11.2H: Density estimates per survey of sitting and flying birds** provides density 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. Density 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 11.2H** provides density 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, density 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 density 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 density estimates based solely on positively identified guillemots, whereas 'GuillemotApportioned' refers to density 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 density estimates are adjusted to account for birds under the water. For guillemot, razorbill and puffin, the 'ApportionedCorrected' tables provide the total density estimates for these species.



## 2.0 Density estimates

5. Density 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 density 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
07th June 2023	Project (27)	27



Date of DAS survey	Project or Third-Party DAS (survey number)	ID sample number
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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.04	0.04 (0.03)	0.00–0.11	0.75	0.03	0.03 (0.02)	0.00–0.08	0.67	0.02	0.02 (0.02)	0.00–0.07	1
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	



Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1
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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1
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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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		0.02	0.02 (0.02)	0.00–0.07	1.00
3	0.11	0.11 (0.04)	0.04–0.18	0.36	0.09	0.08 (0.03)	0.03–0.14	0.38	0.07	0.08 (0.03)	0.03–0.13	0.38
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.02	0.02 (0.02)	0.00–0.05	1.00
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		0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1.00
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		0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1.00
15	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
16	0.08	0.08 (0.05)	0.00–0.18	0.62	0.08	0.08 (0.03)	0.02–0.15	0.38	0.07	0.08 (0.03)	0.03–0.13	0.38



Densities (birds/sq. km.) – 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	0.14	0.14 (0.06)	0.03–0.27	0.43	0.24	0.24 (0.10)	0.07–0.48	0.42	0.30	0.30 (0.12)	0.11–0.55	0.40
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		0.06	0.06 (0.04)	0.00–0.16	0.67	0.05	0.05 (0.04)	0.00–0.13	0.80
27	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.02	0.02 (0.01)	0.00–0.04	0.50
28	0.03	0.03 (0.02)	0.00–0.09	0.67	0.05	0.05 (0.03)	0.00–0.11	0.60	0.04	0.04 (0.02)	0.00–0.09	0.50
29	0.07	0.07 (0.05)	0.00–0.19	0.71	0.05	0.05 (0.03)	0.00–0.13	0.60	0.08	0.08 (0.04)	0.02–0.16	0.50
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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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		0.02	0.02 (0.02)	0.00–0.07	1.00
3	0.25	0.25 (0.07)	0.12–0.37	0.28	0.19	0.19 (0.05)	0.09–0.29	0.26	0.21	0.21 (0.05)	0.11–0.32	0.24
4	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.02	0.02 (0.02)	0.00–0.05	1.00
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	0.01	0.01 (0.01)	0.00–0.02	1.00	0.02	0.02 (0.01)	0.01–0.05	0.50	0.02	0.02 (0.01)	0.01–0.04	0.50
7	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50	0.01	0.01 (0.01)	0.00–0.04	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	0.01	0.01 (0.01)	0.00–0.02	1.00	0.01	0.01 (0.01)	0.00–0.04	1.00	0.02	0.02 (0.01)	0.00–0.05	0.50
15	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.04	1.00
16	0.15	0.16 (0.07)	0.03–0.32	0.44	0.13	0.13 (0.05)	0.05–0.23	0.38	0.12	0.12 (0.04)	0.04–0.20	0.33
17	0.33	0.33 (0.09)	0.16–0.49	0.27	0.47	0.47 (0.12)	0.27–0.72	0.26	0.49	0.49 (0.13)	0.27–0.76	0.27
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	



Densities (birds/sq. km.) – 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		0.10	0.10 (0.06)	0.00–0.23	0.60	0.08	0.08 (0.05)	0.00–0.18	0.62
27	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.02	0.02 (0.01)	0.00–0.04	0.50
28	0.09	0.09 (0.06)	0.00–0.23	0.67	0.09	0.09 (0.05)	0.01–0.19	0.56	0.07	0.07 (0.04)	0.01–0.15	0.57
29	0.07	0.07 (0.05)	0.00–0.19	0.71	0.05	0.05 (0.03)	0.00–0.13	0.60	0.08	0.08 (0.04)	0.02–0.16	0.50
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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.39	0.39 (0.07)	0.25–0.53	0.18	0.37	0.37 (0.06)	0.26–0.48	0.16	0.42	0.42 (0.06)	0.31–0.54	0.14
2	0.04	0.04 (0.02)	0.00–0.10	0.50	0.03	0.03 (0.02)	0.00–0.07	0.67	0.03	0.03 (0.01)	0.01–0.06	0.33
3	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
4	0.10	0.10 (0.03)	0.04–0.15	0.30	0.11	0.11 (0.03)	0.06–0.16	0.27	0.09	0.09 (0.02)	0.05–0.14	0.22
5	0.21	0.20 (0.07)	0.08–0.36	0.35	0.17	0.17 (0.05)	0.09–0.28	0.29	0.18	0.18 (0.05)	0.09–0.29	0.28
6	0.08	0.08 (0.03)	0.03–0.15	0.38	0.11	0.11 (0.03)	0.06–0.16	0.27	0.13	0.13 (0.04)	0.06–0.22	0.31
7	0.04	0.04 (0.03)	0.00–0.10	0.75	0.04	0.04 (0.02)	0.00–0.08	0.50	0.04	0.05 (0.02)	0.01–0.09	0.40
8	0.03	0.03 (0.01)	0.00–0.06	0.33	0.02	0.02 (0.01)	0.00–0.04	0.50	0.02	0.01 (0.01)	0.00–0.03	1.00
9	0.06	0.06 (0.04)	0.00–0.14	0.67	0.04	0.04 (0.02)	0.00–0.09	0.50	0.04	0.04 (0.02)	0.01–0.08	0.50
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		0.01	0.01 (0.01)	0.00–0.02	1.00
12	0.16	0.16 (0.07)	0.03–0.30	0.44	0.15	0.15 (0.06)	0.04–0.28	0.40	0.14	0.14 (0.05)	0.06–0.25	0.36
13	0.26	0.26 (0.08)	0.10–0.43	0.31	0.23	0.23 (0.07)	0.11–0.36	0.30	0.22	0.23 (0.06)	0.12–0.34	0.26
14	0.07	0.07 (0.04)	0.00–0.15	0.57	0.06	0.06 (0.03)	0.01–0.11	0.50	0.04	0.05 (0.02)	0.01–0.09	0.40
15	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50	0.01	0.01 (0.01)	0.00–0.04	1.00
16	0.78	0.77 (0.14)	0.53–1.07	0.18	0.87	0.87 (0.16)	0.59–1.20	0.18	0.87	0.88 (0.13)	0.63–1.15	0.15



Densities (birds/sq. km.) – 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	0.05	0.05 (0.02)	0.03–0.08	0.40	0.08	0.09 (0.03)	0.04–0.13	0.33	0.07	0.07 (0.02)	0.04–0.12	0.29
18	0.04	0.04 (0.02)	0.00–0.09	0.50	0.03	0.03 (0.02)	0.00–0.06	0.67	0.04	0.04 (0.02)	0.01–0.08	0.50
19	0.05	0.05 (0.03)	0.00–0.10	0.60	0.08	0.08 (0.04)	0.02–0.16	0.50	0.07	0.07 (0.03)	0.03–0.13	0.43
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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.08	0.08 (0.05)	0.01–0.18	0.62	0.06	0.06 (0.04)	0.01–0.14	0.67
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	0.10	0.09 (0.04)	0.03–0.19	0.44	0.08	0.08 (0.03)	0.03–0.15	0.38	0.11	0.11 (0.03)	0.06–0.18	0.27
24	0.07	0.07 (0.03)	0.01–0.14	0.43	0.13	0.14 (0.04)	0.07–0.21	0.29	0.11	0.10 (0.03)	0.05–0.17	0.30
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	0.10	0.10 (0.04)	0.03–0.17	0.40	0.12	0.12 (0.03)	0.06–0.19	0.25	0.12	0.12 (0.03)	0.07–0.18	0.25
27	0.01	0.01 (0.01)	0.00–0.04	1.00	0.03	0.03 (0.02)	0.00–0.07	0.67	0.03	0.03 (0.02)	0.00–0.07	0.67
28	0.16	0.16 (0.06)	0.06–0.27	0.38	0.16	0.17 (0.05)	0.08–0.28	0.29	0.18	0.18 (0.05)	0.10–0.28	0.28
29	0.06	0.06 (0.03)	0.01–0.12	0.50	0.08	0.08 (0.04)	0.02–0.16	0.50	0.08	0.08 (0.03)	0.03–0.13	0.38
30	0.07	0.07 (0.03)	0.03–0.13	0.43	0.06	0.06 (0.02)	0.02–0.11	0.33	0.06	0.06 (0.02)	0.02–0.10	0.33



## 2.4 Auk/Shearwater species

**Table 6: Auk/Shearwater species - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00–0.04	1.00
3	0.14	0.14 (0.05)	0.06–0.25	0.36	0.14	0.14 (0.04)	0.08–0.23	0.29	0.11	0.11 (0.03)	0.05–0.18	0.27
4	0.18	0.18 (0.04)	0.11–0.25	0.22	0.16	0.16 (0.03)	0.11–0.22	0.19	0.18	0.18 (0.03)	0.12–0.25	0.17
5	0.08	0.08 (0.04)	0.01–0.17	0.50	0.10	0.11 (0.04)	0.04–0.19	0.36	0.09	0.09 (0.03)	0.04–0.16	0.33
6	0.06	0.06 (0.02)	0.01–0.10	0.33	0.06	0.06 (0.02)	0.02–0.10	0.33	0.08	0.08 (0.02)	0.04–0.12	0.25
7	0.01	0.01 (0.01)	0.00–0.04	1.00	0.02	0.02 (0.01)	0.00–0.05	0.50	0.02	0.02 (0.01)	0.00–0.05	0.50
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	2.31	2.32 (0.23)	1.87–2.77	0.10	2.12	2.12 (0.23)	1.67–2.56	0.11	2.11	2.12 (0.23)	1.66–2.59	0.11
14	0.01	0.01 (0.01)	0.00–0.04	1.00	0.02	0.02 (0.01)	0.00–0.04	0.50	0.03	0.03 (0.01)	0.01–0.05	0.33
15	0.11	0.11 (0.04)	0.04–0.19	0.36	0.09	0.09 (0.03)	0.04–0.16	0.33	0.10	0.10 (0.03)	0.04–0.18	0.30
16	0.32	0.32 (0.13)	0.10–0.60	0.41	0.45	0.45 (0.12)	0.22–0.69	0.27	0.41	0.41 (0.11)	0.21–0.64	0.27



Densities (birds/sq. km.) – 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	0.10	0.10 (0.04)	0.03–0.18	0.40	0.08	0.08 (0.03)	0.03–0.15	0.38	0.08	0.08 (0.03)	0.03–0.15	0.38
18	0.05	0.05 (0.03)	0.01–0.11	0.60	0.06	0.05 (0.02)	0.02–0.10	0.40	0.04	0.04 (0.02)	0.01–0.08	0.50
19	0.00	0.00 (0.00)	0.00–0.00		0.02	0.02 (0.01)	0.00–0.04	0.50	0.02	0.02 (0.01)	0.00–0.05	0.50
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		0.01	0.01 (0.01)	0.00–0.02	1.00	0.01	0.01 (0.01)	0.00–0.04	1.00
24	0.35	0.35 (0.13)	0.14–0.62	0.37	0.42	0.42 (0.11)	0.22–0.66	0.26	0.34	0.35 (0.10)	0.17–0.54	0.29
25	0.16	0.16 (0.06)	0.06–0.29	0.38	0.19	0.18 (0.05)	0.10–0.28	0.28	0.20	0.20 (0.05)	0.10–0.30	0.25
26	0.07	0.07 (0.04)	0.01–0.14	0.57	0.11	0.10 (0.03)	0.05–0.17	0.30	0.12	0.12 (0.03)	0.07–0.19	0.25
27	0.10	0.10 (0.04)	0.04–0.18	0.40	0.10	0.10 (0.03)	0.05–0.16	0.30	0.13	0.13 (0.04)	0.06–0.21	0.31
28	0.70	0.69 (0.14)	0.41–1.00	0.20	0.77	0.77 (0.13)	0.53–1.03	0.17	0.79	0.79 (0.12)	0.56–1.04	0.15
29	0.04	0.04 (0.04)	0.00–0.13	1.00	0.04	0.04 (0.03)	0.00–0.12	0.75	0.05	0.05 (0.03)	0.01–0.11	0.60
30	0.13	0.13 (0.04)	0.06–0.20	0.31	0.09	0.09 (0.04)	0.02–0.17	0.44	0.08	0.08 (0.03)	0.02–0.14	0.38



## 2.5 Black-headed Gull

**Table 7: Black-headed Gull - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (0.00)	0.00–0.00	



Densities (birds/sq. km.) – 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	



**Table 8: BlackHeadedGullApportioned - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	
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	



Densities (birds/sq. km.) – 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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (0.00)	0.00–0.00	



Densities (birds/sq. km.) – 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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.14	0.14 (0.05)	0.04–0.25	0.36	0.10	0.10 (0.04)	0.03–0.19	0.40	0.13	0.14 (0.05)	0.04–0.23	0.36
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	0.13	0.12 (0.05)	0.04–0.22	0.42	0.13	0.13 (0.05)	0.06–0.23	0.38	0.11	0.11 (0.04)	0.05–0.19	0.36
7	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50	0.01	0.01 (0.01)	0.00–0.04	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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.03	0.03 (0.02)	0.00–0.08	0.67
15	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1.00
16	0.08	0.08 (0.06)	0.00–0.22	0.75	0.07	0.07 (0.04)	0.01–0.16	0.57	0.05	0.05 (0.03)	0.00–0.13	0.60



Densities (birds/sq. km.) – 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	0.19	0.19 (0.06)	0.08–0.30	0.32	0.22	0.23 (0.06)	0.11–0.34	0.26	0.18	0.18 (0.05)	0.10–0.28	0.28
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		0.04	0.04 (0.04)	0.00–0.12	1.00	0.03	0.03 (0.03)	0.00–0.09	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	0.06	0.06 (0.06)	0.00–0.17	1.00	0.04	0.04 (0.04)	0.00–0.12	1.00	0.03	0.03 (0.03)	0.00–0.09	1.00
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	



## 2.8 Common Gull

**Table 11: Common Gull - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.05	0.05 (0.03)	0.00–0.13	0.6	0.05	0.05 (0.03)	0.01–0.11	0.60
10	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.5	0.02	0.02 (0.01)	0.00–0.04	0.50
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		0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.02	1.00
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	



Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.02	1.00
20	0.00	0.00 (0.00)	0.00–0.00		0.01	0.01 (0.01)	0.00–0.03	1.0	0.04	0.05 (0.02)	0.01–0.10	0.40
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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.02	1.00
23	0.05	0.05 (0.02)	0.01–0.10	0.40	0.05	0.05 (0.02)	0.02–0.08	0.4	0.04	0.04 (0.01)	0.01–0.07	0.25
24	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
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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.05	0.05 (0.03)	0.00–0.13	0.6	0.05	0.05 (0.03)	0.01–0.11	0.60
10	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.5	0.02	0.02 (0.01)	0.00–0.04	0.50
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		0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.02	1.00
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	
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	



Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.02	1.00
20	0.00	0.00 (0.00)	0.00–0.00		0.01	0.01 (0.01)	0.00–0.03	1.0	0.04	0.05 (0.02)	0.01–0.10	0.40
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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.02	1.00
23	0.05	0.05 (0.02)	0.01–0.10	0.40	0.05	0.05 (0.02)	0.02–0.08	0.4	0.04	0.04 (0.01)	0.01–0.07	0.25
24	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
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	



## 2.9 Common Tern

**Table 13: Common Tern - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00–0.03	1.0
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	0.11	0.11 (0.11)	0.00–0.34	1	0.08	0.08 (0.08)	0.00–0.23	1.0	0.06	0.06 (0.06)	0.00–0.18	1.0
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	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.02	1.0
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	0.01	0.01 (0.01)	0.00–0.04	1	0.02	0.02 (0.01)	0.00–0.05	0.5	0.01	0.02 (0.01)	0.00–0.04	0.5



Densities (birds/sq. km.) – 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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00–0.03	1.00
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	0.23	0.22 (0.12)	0.05–0.49	0.55	0.20	0.20 (0.09)	0.06–0.39	0.45	0.16	0.16 (0.07)	0.05–0.32	0.44
7	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50	0.01	0.01 (0.01)	0.00–0.04	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	0.02	0.02 (0.02)	0.00–0.06	1.00	0.01	0.01 (0.01)	0.00–0.04	1.00	0.02	0.02 (0.01)	0.00–0.05	0.50
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	0.03	0.03 (0.02)	0.00–0.06	0.67	0.03	0.03 (0.01)	0.00–0.06	0.33	0.02	0.02 (0.01)	0.00–0.05	0.50
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	



Densities (birds/sq. km.) – 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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00–0.03	1.0
13	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1	0.01	0.01 (0.01)	0.00–0.02	1.0
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	



Densities (birds/sq. km.) – 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		0.01	0.02 (0.01)	0.00–0.04	0.5
21	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.02	0.02 (0.02)	0.00–0.07	1.0
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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1	0.02	0.02 (0.01)	0.00–0.04	0.5
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	



Densities (birds/sq. km.) – 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	



## 2.12 Dunlin

**Table 17: Dunlin - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0
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	0
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	0
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	0
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	0
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	0
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	0
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	0
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	0
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	0
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	0
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	0
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	0
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	0
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	0
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	0



Densities (birds/sq. km.) – 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	



## 2.13 European Storm-petrel

**Table 18: European Storm-petrel Apportioned - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50	0.05	0.05 (0.04)	0.00–0.14	0.80
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	0.08	0.08 (0.03)	0.03–0.15	0.38	0.13	0.13 (0.04)	0.07–0.21	0.31	0.12	0.12 (0.03)	0.06–0.19	0.25



Densities (birds/sq. km.) – 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		0.04	0.04 (0.04)	0.00–0.11	1.00	0.03	0.03 (0.03)	0.00–0.09	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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.03	0.03 (0.02)	0.00–0.06	0.67	0.03	0.03 (0.02)	0.00–0.07	0.67
28	0.23	0.23 (0.07)	0.10–0.36	0.30	0.30	0.30 (0.06)	0.17–0.44	0.20	0.27	0.27 (0.06)	0.16–0.38	0.22
29	0.00	0.00 (0.00)	0.00–0.00		0.03	0.03 (0.01)	0.00–0.06	0.33	0.15	0.15 (0.05)	0.06–0.25	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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.06	0.06 (0.02)	0.01–0.10	0.33	0.09	0.09 (0.03)	0.04–0.15	0.33	0.10	0.10 (0.02)	0.06–0.15	0.20
2	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1.00
3	0.11	0.11 (0.04)	0.04–0.19	0.36	0.09	0.08 (0.03)	0.03–0.15	0.38	0.07	0.08 (0.03)	0.03–0.13	0.38
4	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.02	0.02 (0.01)	0.00–0.04	0.50
5	0.07	0.07 (0.03)	0.03–0.12	0.43	0.06	0.06 (0.02)	0.03–0.09	0.33	0.05	0.05 (0.01)	0.03–0.08	0.20
6	0.08	0.08 (0.04)	0.01–0.15	0.50	0.15	0.15 (0.04)	0.09–0.24	0.27	0.14	0.13 (0.03)	0.07–0.20	0.23
7	0.01	0.01 (0.01)	0.00–0.04	1.00	0.02	0.02 (0.01)	0.00–0.05	0.50	0.01	0.01 (0.01)	0.00–0.04	1.00
8	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50	0.02	0.02 (0.01)	0.00–0.04	0.50
9	0.13	0.13 (0.03)	0.07–0.19	0.23	0.14	0.14 (0.03)	0.08–0.20	0.21	0.12	0.12 (0.03)	0.07–0.18	0.25
10	0.11	0.11 (0.02)	0.07–0.16	0.18	0.13	0.13 (0.03)	0.07–0.18	0.23	0.13	0.13 (0.02)	0.08–0.18	0.15
11	0.45	0.45 (0.24)	0.08–1.00	0.53	0.32	0.32 (0.18)	0.06–0.74	0.56	0.32	0.32 (0.14)	0.11–0.65	0.44
12	0.03	0.03 (0.02)	0.00–0.07	0.67	0.04	0.04 (0.03)	0.00–0.11	0.75	0.03	0.03 (0.02)	0.00–0.08	0.67
13	0.04	0.04 (0.03)	0.00–0.10	0.75	0.04	0.04 (0.02)	0.00–0.09	0.50	0.06	0.06 (0.02)	0.02–0.10	0.33
14	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50	0.03	0.03 (0.02)	0.01–0.06	0.67
15	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
16	0.10	0.10 (0.04)	0.01–0.18	0.40	0.19	0.19 (0.07)	0.07–0.35	0.37	0.15	0.15 (0.06)	0.05–0.27	0.40



Densities (birds/sq. km.) – 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	0.08	0.08 (0.03)	0.03–0.14	0.38	0.07	0.07 (0.02)	0.02–0.11	0.29	0.08	0.08 (0.02)	0.04–0.13	0.25
18	0.07	0.06 (0.03)	0.01–0.13	0.50	0.14	0.14 (0.08)	0.03–0.32	0.57	0.13	0.13 (0.06)	0.04–0.28	0.46
19	0.01	0.01 (0.01)	0.00–0.04	1.00	0.15	0.16 (0.10)	0.02–0.39	0.62	0.18	0.18 (0.09)	0.05–0.37	0.50
20	0.03	0.03 (0.02)	0.00–0.07	0.67	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50
21	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50	0.01	0.01 (0.01)	0.00–0.04	1.00
22	0.08	0.08 (0.04)	0.01–0.17	0.50	0.07	0.07 (0.03)	0.02–0.12	0.43	0.06	0.06 (0.02)	0.02–0.11	0.33
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	0.11	0.11 (0.04)	0.04–0.20	0.36	0.11	0.12 (0.03)	0.06–0.18	0.25	0.14	0.14 (0.03)	0.08–0.20	0.21
25	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50	0.05	0.05 (0.02)	0.02–0.09	0.40
26	0.11	0.11 (0.04)	0.04–0.21	0.36	0.08	0.08 (0.03)	0.03–0.15	0.38	0.07	0.07 (0.03)	0.02–0.12	0.43
27	0.07	0.07 (0.02)	0.03–0.13	0.29	0.07	0.07 (0.02)	0.03–0.11	0.29	0.06	0.06 (0.02)	0.03–0.10	0.33
28	0.13	0.13 (0.05)	0.04–0.23	0.38	0.11	0.11 (0.04)	0.05–0.18	0.36	0.14	0.14 (0.04)	0.06–0.23	0.29
29	0.10	0.10 (0.04)	0.03–0.19	0.40	0.07	0.07 (0.03)	0.02–0.13	0.43	0.05	0.05 (0.02)	0.02–0.09	0.40
30	0.00	0.00 (0.00)	0.00–0.00		0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1.00



## 2.15 Fulmar/Gull species

**Table 20: Fulmar/Gull species - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	



Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1	0.01	0.01 (0.01)	0.00–0.02	1
23	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)	0.00–0.04	1
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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.04	0.04 (0.02)	0.00–0.10	0.50	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.06	0.50
2	0.10	0.10 (0.04)	0.03–0.18	0.40	0.12	0.12 (0.03)	0.06–0.19	0.25	0.21	0.21 (0.05)	0.12–0.31	0.24
3	0.22	0.22 (0.09)	0.07–0.42	0.41	0.25	0.25 (0.08)	0.12–0.42	0.32	0.23	0.23 (0.06)	0.13–0.36	0.26
4	0.15	0.16 (0.09)	0.03–0.35	0.56	0.20	0.20 (0.07)	0.09–0.35	0.35	0.26	0.27 (0.09)	0.10–0.45	0.33
5	0.81	0.80 (0.16)	0.52–1.12	0.20	0.72	0.72 (0.12)	0.50–0.96	0.17	0.64	0.64 (0.10)	0.44–0.84	0.16
6	0.35	0.31 (0.08)	0.17–0.46	0.26	0.32	0.32 (0.07)	0.18–0.47	0.22	0.32	0.32 (0.06)	0.20–0.43	0.19
7	0.25	0.24 (0.07)	0.12–0.38	0.29	0.20	0.20 (0.05)	0.10–0.31	0.25	0.16	0.16 (0.04)	0.07–0.24	0.25
8	0.07	0.07 (0.03)	0.01–0.15	0.43	0.06	0.06 (0.03)	0.02–0.11	0.50	0.11	0.11 (0.05)	0.04–0.20	0.45
9	0.04	0.04 (0.02)	0.00–0.10	0.50	0.15	0.15 (0.10)	0.02–0.39	0.67	0.19	0.19 (0.08)	0.07–0.38	0.42
10	0.04	0.04 (0.03)	0.00–0.10	0.75	0.03	0.03 (0.02)	0.00–0.07	0.67	0.03	0.03 (0.02)	0.00–0.06	0.67
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		0.01	0.01 (0.01)	0.00–0.03	1.00
13	0.10	0.10 (0.04)	0.03–0.20	0.40	0.15	0.15 (0.05)	0.06–0.25	0.33	0.15	0.15 (0.04)	0.07–0.25	0.27
14	0.66	0.66 (0.18)	0.33–1.04	0.27	0.95	0.96 (0.42)	0.34–1.91	0.44	0.88	0.89 (0.36)	0.35–1.73	0.40
15	1.20	1.19 (0.34)	0.66–1.93	0.29	1.08	1.08 (0.25)	0.69–1.62	0.23	0.94	0.93 (0.19)	0.62–1.37	0.20
16	0.07	0.07 (0.04)	0.01–0.15	0.57	0.09	0.09 (0.03)	0.03–0.16	0.33	0.07	0.08 (0.03)	0.03–0.13	0.38



Densities (birds/sq. km.) – 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	0.49	0.51 (0.19)	0.18–0.92	0.37	0.37	0.37 (0.13)	0.16–0.66	0.35	0.30	0.31 (0.11)	0.13–0.54	0.35
18	0.20	0.20 (0.05)	0.11–0.32	0.25	0.28	0.28 (0.05)	0.19–0.39	0.18	0.26	0.27 (0.04)	0.18–0.35	0.15
19	0.11	0.11 (0.08)	0.00–0.29	0.73	0.22	0.23 (0.11)	0.03–0.47	0.48	0.20	0.20 (0.10)	0.03–0.42	0.50
20	0.01	0.01 (0.01)	0.00–0.04	1.00	0.02	0.02 (0.01)	0.00–0.05	0.50	0.01	0.02 (0.01)	0.00–0.04	0.50
21	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.02	1.00
22	0.03	0.03 (0.02)	0.00–0.07	0.67	0.03	0.03 (0.02)	0.00–0.07	0.67	0.03	0.03 (0.02)	0.01–0.06	0.67
23	0.29	0.29 (0.10)	0.11–0.49	0.34	0.29	0.29 (0.08)	0.15–0.46	0.28	0.45	0.45 (0.12)	0.24–0.72	0.27
24	0.13	0.13 (0.05)	0.04–0.24	0.38	0.17	0.18 (0.08)	0.04–0.34	0.44	0.15	0.15 (0.07)	0.04–0.29	0.47
25	0.10	0.10 (0.04)	0.03–0.19	0.40	0.18	0.18 (0.05)	0.08–0.29	0.28	0.15	0.16 (0.05)	0.07–0.25	0.31
26	0.11	0.11 (0.05)	0.03–0.23	0.45	0.11	0.11 (0.04)	0.04–0.19	0.36	0.10	0.10 (0.04)	0.05–0.18	0.40
27	0.66	0.66 (0.15)	0.41–1.00	0.23	0.58	0.58 (0.11)	0.37–0.80	0.19	0.60	0.60 (0.10)	0.42–0.81	0.17
28	0.09	0.09 (0.03)	0.03–0.14	0.33	0.12	0.12 (0.06)	0.03–0.24	0.50	0.11	0.11 (0.05)	0.03–0.21	0.45
29	0.30	0.30 (0.06)	0.20–0.42	0.20	0.25	0.25 (0.06)	0.14–0.37	0.24	0.23	0.24 (0.06)	0.12–0.35	0.25
30	0.66	0.65 (0.14)	0.40–0.93	0.22	0.60	0.60 (0.11)	0.39–0.84	0.18	0.59	0.60 (0.09)	0.43–0.77	0.15



## 2.17 Golden Plover

**Table 22: Golden Plover - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	



Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1	0.01	0.01 (0.01)	0.00–0.02	1
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	



## 2.18 Great Black-backed Gull

**Table 23: Great Black-backed Gull - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1.00
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	0.14	0.14 (0.05)	0.06–0.24	0.36	0.43	0.43 (0.21)	0.12–0.88	0.49	0.72	0.72 (0.24)	0.29–1.22	0.33
10	0.23	0.23 (0.07)	0.10–0.35	0.30	0.21	0.21 (0.06)	0.11–0.32	0.29	0.24	0.25 (0.06)	0.14–0.36	0.24
11	0.13	0.13 (0.08)	0.00–0.30	0.62	0.12	0.12 (0.06)	0.00–0.25	0.50	0.09	0.09 (0.05)	0.00–0.20	0.56
12	0.01	0.01 (0.01)	0.00–0.04	1.00	0.04	0.04 (0.03)	0.00–0.11	0.75	0.16	0.16 (0.11)	0.02–0.43	0.69
13	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50	0.02	0.02 (0.01)	0.00–0.04	0.50
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.01	0.02 (0.01)	0.00–0.04	0.50
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	



Densities (birds/sq. km.) – 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	0.03	0.02 (0.01)	0.00–0.05	0.50	0.06	0.06 (0.02)	0.03–0.10	0.33	0.05	0.05 (0.02)	0.02–0.08	0.40
20	0.01	0.01 (0.01)	0.00–0.04	1.00	0.03	0.03 (0.02)	0.00–0.07	0.67	0.03	0.03 (0.01)	0.01–0.06	0.33
21	0.06	0.06 (0.03)	0.00–0.11	0.50	0.05	0.05 (0.02)	0.01–0.09	0.40	0.06	0.06 (0.02)	0.02–0.10	0.33
22	0.07	0.07 (0.04)	0.00–0.15	0.57	0.05	0.05 (0.03)	0.00–0.11	0.60	0.08	0.08 (0.04)	0.01–0.16	0.50
23	0.12	0.12 (0.06)	0.01–0.25	0.50	0.12	0.12 (0.05)	0.04–0.21	0.42	0.13	0.13 (0.05)	0.05–0.24	0.38
24	0.00	0.00 (0.00)	0.00–0.00		0.02	0.02 (0.01)	0.00–0.05	0.50	0.02	0.02 (0.01)	0.00–0.05	0.50
25	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
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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1.00



**Table 24: GreatBlackBackedGullApportioned - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.02	0.02 (0.01)	0.00–0.04	0.50
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	0.02	0.02 (0.02)	0.00–0.06	1.00	0.02	0.02 (0.01)	0.00–0.04	0.50	0.01	0.01 (0.01)	0.00–0.03	1.00
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		0.01	0.01 (0.01)	0.00–0.02	1.00
9	0.17	0.16 (0.05)	0.07–0.27	0.31	0.48	0.47 (0.21)	0.16–0.93	0.45	0.77	0.77 (0.24)	0.35–1.28	0.31
10	0.23	0.23 (0.07)	0.10–0.36	0.30	0.22	0.21 (0.06)	0.11–0.33	0.29	0.25	0.25 (0.06)	0.14–0.36	0.24
11	0.13	0.13 (0.08)	0.00–0.30	0.62	0.12	0.12 (0.06)	0.00–0.25	0.50	0.09	0.09 (0.05)	0.00–0.20	0.56
12	0.01	0.01 (0.01)	0.00–0.04	1.00	0.04	0.04 (0.03)	0.00–0.11	0.75	0.17	0.17 (0.11)	0.03–0.44	0.65
13	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50	0.02	0.02 (0.01)	0.00–0.05	0.50
14	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.01	0.02 (0.01)	0.00–0.04	0.50
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	



Densities (birds/sq. km.) – 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	0.03	0.02 (0.01)	0.00–0.05	0.50	0.06	0.06 (0.02)	0.03–0.11	0.33	0.05	0.05 (0.02)	0.02–0.08	0.40
20	0.01	0.01 (0.01)	0.00–0.04	1.00	0.03	0.03 (0.02)	0.00–0.07	0.67	0.03	0.03 (0.01)	0.01–0.06	0.33
21	0.06	0.06 (0.03)	0.00–0.11	0.50	0.05	0.05 (0.02)	0.01–0.09	0.40	0.06	0.06 (0.02)	0.02–0.10	0.33
22	0.08	0.08 (0.04)	0.01–0.16	0.50	0.05	0.05 (0.03)	0.00–0.11	0.60	0.08	0.08 (0.04)	0.01–0.17	0.50
23	0.12	0.12 (0.06)	0.01–0.25	0.50	0.12	0.12 (0.05)	0.04–0.22	0.42	0.13	0.13 (0.05)	0.05–0.24	0.38
24	0.00	0.00 (0.00)	0.00–0.00		0.02	0.02 (0.01)	0.00–0.05	0.50	0.02	0.02 (0.01)	0.00–0.05	0.50
25	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
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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1.00



## 2.19 Great Northern Diver

**Table 25: Great Northern Diver - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00–0.02	1
2	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.04	1.0	0.01	0.01 (0.01)	0.00–0.03	1
3	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.04	1.0	0.01	0.01 (0.01)	0.00–0.02	1
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	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.03	1
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		0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.03	1
13	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
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	0.01	0.01 (0.01)	0.00–0.04	1	0.02	0.02 (0.01)	0.00–0.05	0.5	0.01	0.01 (0.01)	0.00–0.04	1
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	



Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00–0.02	1
20	0.00	0.00 (0.00)	0.00–0.00		0.00	0.00 (0.00)	0.00–0.00		0.02	0.02 (0.02)	0.00–0.06	1
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	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.02	1
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	0.03	0.03 (0.03)	0.00–0.09	1	0.02	0.02 (0.02)	0.00–0.06	1.0	0.02	0.02 (0.02)	0.00–0.06	1
27	0.00	0.00 (0.00)	0.00–0.00		0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.02	1
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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	



Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00–0.03	1	0.01	0.01 (0.01)	0.00–0.02	1
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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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		0.02	0.02 (0.02)	0.00–0.06	1.0	0.02	0.02 (0.01)	0.00–0.05	0.50
5	0.01	0.01 (0.01)	0.00–0.04	1.0	0.01	0.01 (0.01)	0.00–0.03	1.0	0.02	0.01 (0.01)	0.00–0.04	1.00
6	0.01	0.01 (0.01)	0.00–0.04	1.0	0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.02	1.00
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	0.01	0.01 (0.01)	0.00–0.04	1.0	0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.02 (0.01)	0.00–0.04	0.50
15	0.10	0.10 (0.03)	0.04–0.17	0.3	0.09	0.10 (0.03)	0.05–0.15	0.3	0.08	0.08 (0.02)	0.04–0.13	0.25
16	0.00	0.00 (0.00)	0.00–0.00		0.02	0.02 (0.01)	0.00–0.05	0.5	0.01	0.02 (0.01)	0.00–0.04	0.50



Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1.0	0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.04	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		0.01	0.01 (0.01)	0.00–0.04	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		0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.02	1.00
26	0.01	0.02 (0.01)	0.00–0.04	0.5	0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.02	1.00
27	0.01	0.01 (0.01)	0.00–0.04	1.0	0.01	0.01 (0.01)	0.00–0.03	1.0	0.01	0.01 (0.01)	0.00–0.02	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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	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		0.00	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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (0.00)	0.00–0.00	



Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00–0.02	1
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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	14.58	14.58 (2.38)	10.32–19.49	0.16	13.18	13.10 (1.89)	9.74–17.14	0.14	11.74	11.66 (1.58)	8.85–15.05	0.14
2	10.77	10.84 (2.03)	7.40–15.20	0.19	9.89	9.95 (1.49)	7.39–13.25	0.15	9.27	9.31 (1.25)	7.19–11.97	0.13
3	19.68	19.79 (2.40)	15.37–24.57	0.12	17.37	17.40 (1.68)	14.04–20.54	0.10	15.71	15.65 (1.48)	12.79–18.58	0.09
4	6.06	6.06 (0.45)	5.23– 6.94	0.07	7.42	7.43 (1.01)	5.80– 9.74	0.14	7.12	7.13 (0.81)	5.83– 8.87	0.11
5	15.66	15.67 (1.10)	13.57–17.81	0.07	15.72	15.70 (0.95)	13.87–17.58	0.06	15.99	15.99 (0.82)	14.41–17.67	0.05
6	3.78	3.86 (0.45)	3.01– 4.78	0.12	3.65	3.67 (0.41)	2.89– 4.45	0.11	3.83	3.83 (0.39)	3.09– 4.63	0.10
7	0.90	0.90 (0.18)	0.59– 1.27	0.20	0.82	0.82 (0.15)	0.53– 1.11	0.18	0.85	0.85 (0.12)	0.62– 1.10	0.14
8	1.71	1.70 (0.29)	1.18– 2.31	0.17	1.71	1.73 (0.23)	1.29– 2.21	0.13	2.22	2.22 (0.44)	1.48– 3.11	0.20
9	2.41	2.34 (0.72)	1.24– 3.95	0.31	3.43	3.47 (0.82)	2.09– 5.26	0.24	5.24	5.23 (0.87)	3.69– 6.95	0.17
10	2.76	2.71 (1.13)	0.95– 5.30	0.42	2.59	2.58 (0.90)	1.10– 4.59	0.35	2.24	2.25 (0.71)	1.08– 3.76	0.32
11	4.09	4.08 (0.38)	3.33– 4.83	0.09	4.40	4.40 (0.43)	3.68– 5.29	0.10	5.41	5.45 (0.82)	3.97– 7.20	0.15
12	2.57	2.57 (0.29)	2.01– 3.13	0.11	2.39	2.39 (0.24)	1.91– 2.90	0.10	2.39	2.40 (0.22)	1.98– 2.87	0.09
13	39.22	39.20 (2.27)	34.98–43.67	0.06	34.88	34.89 (2.33)	30.10–39.40	0.07	32.71	32.62 (2.26)	28.10–36.94	0.07
14	42.17	42.17 (6.40)	29.26–54.71	0.15	39.96	39.68 (6.07)	28.15–52.35	0.15	38.43	38.36 (5.65)	27.61–49.73	0.15
15	5.45	5.43 (1.03)	3.44– 7.56	0.19	4.45	4.48 (0.76)	2.98– 6.03	0.17	4.95	5.01 (0.78)	3.51– 6.48	0.16
16	25.04	24.88 (4.71)	16.22–34.41	0.19	35.19	35.23 (5.65)	24.19–46.79	0.16	32.00	32.02 (4.77)	23.25–41.75	0.15



Densities (birds/sq. km.) – 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	3.40	3.45 (1.01)	1.65– 5.49	0.29	3.55	3.58 (0.85)	2.07– 5.35	0.24	3.52	3.53 (0.72)	2.23– 5.00	0.20
18	0.81	0.81 (0.09)	0.63– 1.00	0.11	1.02	1.02 (0.12)	0.79– 1.25	0.12	1.06	1.06 (0.11)	0.83– 1.29	0.10
19	3.34	3.32 (0.51)	2.37– 4.38	0.15	4.61	4.65 (0.76)	3.21– 6.29	0.16	6.30	6.31 (1.19)	4.26– 8.94	0.19
20	12.68	12.64 (1.08)	10.65–14.72	0.09	11.95	11.88 (1.12)	9.82–14.07	0.09	11.09	11.07 (1.07)	8.94–13.04	0.10
21	3.38	3.39 (0.44)	2.59– 4.24	0.13	4.14	4.13 (0.49)	3.24– 5.16	0.12	4.43	4.43 (0.48)	3.54– 5.43	0.11
22	14.61	14.55 (1.57)	11.90–17.87	0.11	13.51	13.46 (1.15)	11.38–16.00	0.09	13.60	13.55 (1.01)	11.79–15.72	0.07
23	30.71	30.55 (4.49)	21.64–39.31	0.15	26.93	27.10 (3.43)	20.54–34.16	0.13	26.99	27.13 (3.32)	20.87–33.82	0.12
24	15.66	15.69 (2.30)	11.29–19.84	0.15	15.89	15.88 (1.93)	12.25–19.57	0.12	14.17	14.14 (1.78)	10.84–17.57	0.13
25	15.17	15.11 (2.57)	10.71–20.34	0.17	17.29	17.23 (3.28)	11.44–24.07	0.19	15.06	15.06 (2.94)	9.80–21.07	0.20
26	17.56	17.48 (1.65)	14.37–20.78	0.09	22.38	22.39 (2.48)	18.09–27.37	0.11	24.60	24.69 (2.35)	20.34–29.50	0.10
27	30.95	30.80 (3.06)	25.35–37.07	0.10	26.82	26.92 (2.59)	22.32–31.99	0.10	24.71	24.72 (2.08)	20.61–28.89	0.08
28	38.33	38.10 (8.94)	21.73–56.73	0.23	44.37	44.60 (8.17)	30.14–61.63	0.18	38.35	38.27 (6.79)	26.37–52.76	0.18
29	3.64	3.66 (0.59)	2.61– 4.77	0.16	3.73	3.75 (0.51)	2.79– 4.78	0.14	3.36	3.38 (0.42)	2.59– 4.19	0.12
30	4.43	4.45 (0.39)	3.69– 5.19	0.09	4.36	4.37 (0.36)	3.67– 5.06	0.08	4.94	4.93 (0.44)	4.06– 5.79	0.09



**Table 30: Guillemot Apportioned - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	24.44	24.44 (3.52)	17.97–31.59	0.14	22.00	21.88 (2.77)	16.61–27.70	0.13	20.02	19.94 (2.34)	15.72–24.79	0.12
2	11.16	11.25 (2.03)	7.73–15.53	0.18	10.30	10.40 (1.50)	7.83–13.73	0.14	9.74	9.79 (1.25)	7.67–12.43	0.13
3	20.52	20.63 (2.41)	16.25–25.43	0.12	18.02	18.13 (1.75)	14.65–21.50	0.10	16.36	16.30 (1.50)	13.33–19.35	0.09
4	6.45	6.45 (0.46)	5.62– 7.37	0.07	7.89	7.94 (1.02)	6.29–10.26	0.13	7.65	7.67 (0.81)	6.33– 9.44	0.11
5	16.71	16.73 (1.11)	14.55–18.93	0.07	16.57	16.64 (0.97)	14.74–18.54	0.06	16.97	16.96 (0.84)	15.35–18.71	0.05
6	4.16	4.14 (0.45)	3.28– 5.04	0.11	3.95	3.97 (0.41)	3.19– 4.75	0.10	4.14	4.13 (0.40)	3.37– 4.92	0.10
7	2.36	2.37 (0.29)	1.85– 2.99	0.12	2.00	1.98 (0.22)	1.57– 2.42	0.11	2.11	2.11 (0.19)	1.77– 2.51	0.09
8	2.12	2.12 (0.32)	1.54– 2.83	0.15	2.29	2.31 (0.33)	1.73– 3.00	0.14	2.84	2.82 (0.51)	1.91– 3.88	0.18
9	7.01	6.90 (1.89)	3.74–10.96	0.27	11.40	11.26 (3.00)	6.45–17.70	0.27	16.66	16.59 (3.29)	10.69–23.87	0.20
10	19.49	16.49 (4.73)	8.20–26.43	0.29	17.95	18.07 (4.62)	9.74–28.14	0.26	15.26	15.24 (4.15)	8.32–24.13	0.27
11	7.66	7.64 (0.62)	6.45– 8.85	0.08	7.72	7.73 (0.58)	6.69– 8.89	0.08	8.60	8.68 (0.90)	7.04–10.55	0.10
12	4.37	4.36 (0.34)	3.69– 5.09	0.08	4.14	4.13 (0.28)	3.59– 4.72	0.07	4.17	4.17 (0.26)	3.66– 4.67	0.06
13	44.92	44.95 (2.37)	40.61–49.49	0.05	40.23	40.19 (2.44)	35.27–44.74	0.06	37.77	37.69 (2.38)	33.04–42.19	0.06
14	43.33	43.39 (6.40)	30.65–55.96	0.15	41.18	40.90 (6.09)	29.37–53.46	0.15	39.49	39.41 (5.67)	28.58–50.79	0.14
15	5.61	5.59 (1.03)	3.59– 7.75	0.18	4.57	4.60 (0.76)	3.09– 6.14	0.17	5.10	5.15 (0.79)	3.64– 6.67	0.15
16	27.46	27.31 (4.72)	18.75–36.56	0.17	37.94	37.96 (5.72)	26.97–49.68	0.15	34.55	34.58 (4.84)	25.72–44.27	0.14
17	4.02	4.06 (1.02)	2.24– 6.15	0.25	4.24	4.27 (0.89)	2.66– 6.13	0.21	4.15	4.17 (0.76)	2.79– 5.72	0.18
18	1.35	1.36 (0.14)	1.10– 1.64	0.10	1.51	1.52 (0.15)	1.25– 1.81	0.10	1.60	1.59 (0.14)	1.32– 1.86	0.09



Densities (birds/sq. km.) – 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	3.86	3.85 (0.51)	2.87– 4.94	0.13	5.97	6.01 (0.88)	4.38– 7.85	0.15	7.93	7.97 (1.26)	5.69–10.62	0.16
20	13.83	13.82 (1.09)	11.73–16.04	0.08	13.16	13.09 (1.14)	10.97–15.30	0.09	12.27	12.27 (1.09)	10.10–14.28	0.09
21	4.28	4.30 (0.47)	3.41– 5.19	0.11	5.23	5.31 (0.56)	4.27– 6.50	0.11	5.56	5.56 (0.51)	4.59– 6.57	0.09
22	16.30	16.22 (1.59)	13.41–19.60	0.10	15.47	15.45 (1.19)	13.32–18.00	0.08	15.52	15.46 (1.05)	13.77–17.72	0.07
23	32.53	32.38 (4.49)	23.59–41.27	0.14	28.37	28.57 (3.43)	21.89–35.48	0.12	28.46	28.59 (3.33)	22.28–35.29	0.12
24	16.59	16.62 (2.39)	11.99–21.00	0.14	17.16	17.14 (2.02)	13.32–21.05	0.12	15.31	15.25 (1.85)	11.87–18.78	0.12
25	15.26	15.20 (2.57)	10.81–20.38	0.17	17.53	17.47 (3.27)	11.67–24.27	0.19	15.28	15.28 (2.94)	10.03–21.30	0.19
26	18.28	18.22 (1.66)	15.07–21.56	0.09	23.19	23.19 (2.48)	18.90–28.09	0.11	25.44	25.50 (2.34)	21.18–30.29	0.09
27	31.66	31.53 (3.06)	26.09–37.87	0.10	27.43	27.54 (2.59)	22.96–32.60	0.09	25.27	25.29 (2.09)	21.19–29.43	0.08
28	39.83	39.67 (9.05)	23.34–58.30	0.23	46.98	47.20 (8.50)	32.14–65.81	0.18	40.62	40.53 (7.07)	28.33–55.50	0.17
29	3.99	3.99 (0.60)	2.92– 5.12	0.15	4.11	4.13 (0.51)	3.19– 5.20	0.12	3.70	3.72 (0.43)	2.94– 4.55	0.12
30	4.75	4.76 (0.39)	4.01– 5.51	0.08	4.62	4.65 (0.36)	3.95– 5.33	0.08	5.19	5.20 (0.44)	4.34– 6.09	0.08



**Table 31: Guillemot Apportioned Corrected - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	31.80	31.82 ( 4.62)	23.37–41.26	0.15	28.59	28.44 ( 3.62)	21.53–36.02	0.13	26.02	25.92 ( 3.05)	20.46–32.19	0.12
2	14.33	14.44 ( 2.65)	9.83–20.06	0.18	13.23	13.35 ( 1.96)	10.02–17.79	0.15	12.51	12.57 ( 1.63)	9.83–16.11	0.13
3	26.66	26.80 ( 3.15)	21.05–33.01	0.12	23.42	23.56 ( 2.28)	19.09–27.80	0.10	21.26	21.19 ( 1.94)	17.41–25.02	0.09
4	8.27	8.26 ( 0.56)	7.23– 9.38	0.07	10.17	10.24 ( 1.34)	8.12–13.27	0.13	9.87	9.89 ( 1.06)	8.20–12.20	0.11
5	21.78	21.80 ( 1.44)	18.96–24.55	0.07	21.61	21.70 ( 1.25)	19.28–24.17	0.06	22.13	22.12 ( 1.09)	20.04–24.37	0.05
6	5.45	5.43 ( 0.60)	4.29– 6.62	0.11	5.18	5.20 ( 0.53)	4.17– 6.21	0.10	5.42	5.41 ( 0.52)	4.41– 6.45	0.10
7	3.03	3.05 ( 0.36)	2.41– 3.79	0.12	2.58	2.55 ( 0.28)	2.05– 3.11	0.11	2.73	2.73 ( 0.24)	2.29– 3.21	0.09
8	2.78	2.77 ( 0.42)	2.00– 3.68	0.15	3.00	3.02 ( 0.44)	2.24– 3.93	0.15	3.72	3.69 ( 0.67)	2.49– 5.08	0.18
9	9.00	8.92 ( 2.44)	4.81–14.26	0.27	14.76	14.54 ( 3.94)	8.19–23.61	0.27	21.65	21.58 ( 4.29)	14.06–30.40	0.20
10	25.48	21.55 ( 6.19)	10.66–34.53	0.29	23.47	23.63 ( 6.06)	12.76–36.79	0.26	19.92	19.90 ( 5.45)	10.85–31.63	0.27
11	10.02	9.99 ( 0.81)	8.45–11.53	0.08	10.09	10.09 ( 0.74)	8.75–11.59	0.07	11.24	11.35 ( 1.17)	9.24–13.75	0.10
12	5.71	5.70 ( 0.45)	4.82– 6.63	0.08	5.40	5.40 ( 0.37)	4.68– 6.15	0.07	5.45	5.44 ( 0.34)	4.78– 6.09	0.06
13	58.35	58.38 ( 3.04)	52.81–64.22	0.05	52.28	52.23 ( 3.07)	46.03–57.83	0.06	49.02	48.91 ( 2.95)	43.20–54.48	0.06
14	56.67	56.75 ( 8.37)	40.10–73.34	0.15	53.85	53.49 ( 7.96)	38.43–70.12	0.15	51.64	51.53 ( 7.41)	37.41–66.25	0.14
15	7.30	7.28 ( 1.33)	4.74–10.08	0.18	5.94	5.98 ( 0.98)	4.09– 7.93	0.16	6.62	6.70 ( 1.01)	4.75– 8.61	0.15
16	35.95	35.76 ( 6.19)	24.48–47.87	0.17	49.71	49.73 ( 7.51)	35.30–65.05	0.15	45.26	45.30 ( 6.35)	33.72–58.03	0.14
17	5.27	5.33 ( 1.34)	2.93– 8.06	0.25	5.56	5.60 ( 1.16)	3.49– 8.04	0.21	5.45	5.47 ( 0.99)	3.66– 7.50	0.18



Densities (birds/sq. km.) – 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	1.72	1.73 ( 0.16)	1.41– 2.05	0.09	1.93	1.95 ( 0.18)	1.59– 2.31	0.09	2.05	2.04 ( 0.17)	1.72– 2.38	0.08
19	4.97	4.96 ( 0.67)	3.69– 6.41	0.14	7.69	7.74 ( 1.12)	5.72–10.07	0.14	10.26	10.31 ( 1.63)	7.43–13.73	0.16
20	17.90	17.87 ( 1.38)	15.27–20.54	0.08	17.06	17.00 ( 1.38)	14.37–19.77	0.08	15.90	15.89 ( 1.35)	13.10–18.43	0.08
21	5.58	5.63 ( 0.60)	4.54– 6.89	0.11	6.82	6.91 ( 0.66)	5.67– 8.25	0.10	7.22	7.25 ( 0.65)	6.02– 8.58	0.09
22	21.30	21.20 ( 2.09)	17.43–25.68	0.10	20.22	20.18 ( 1.56)	17.34–23.51	0.08	20.28	20.21 ( 1.39)	17.95–23.16	0.07
23	42.60	42.40 ( 5.89)	30.83–54.10	0.14	37.09	37.34 ( 4.49)	28.58–46.42	0.12	37.18	37.36 ( 4.36)	29.04–46.03	0.12
24	21.49	21.52 ( 3.18)	15.38–27.28	0.15	22.27	22.24 ( 2.72)	16.99–27.56	0.12	19.88	19.80 ( 2.47)	15.46–24.70	0.12
25	19.75	19.67 ( 3.37)	13.90–26.42	0.17	22.73	22.65 ( 4.28)	15.05–31.53	0.19	19.81	19.81 ( 3.84)	12.96–27.64	0.19
26	23.72	23.66 ( 2.19)	19.60–28.06	0.09	30.16	30.16 ( 3.26)	24.57–36.71	0.11	33.12	33.21 ( 3.08)	27.58–39.54	0.09
27	41.24	41.05 ( 4.00)	33.90–49.39	0.10	35.72	35.86 ( 3.41)	29.67–42.47	0.10	32.87	32.88 ( 2.71)	27.40–38.39	0.08
28	52.06	51.86 (11.86)	30.58–76.02	0.23	61.44	61.74 (11.14)	41.90–86.07	0.18	53.11	53.00 ( 9.25)	37.06–72.67	0.17
29	5.23	5.23 ( 0.78)	3.83– 6.72	0.15	5.39	5.42 ( 0.67)	4.19– 6.82	0.12	4.85	4.87 ( 0.56)	3.85– 5.97	0.11
30	6.21	6.23 ( 0.51)	5.26– 7.20	0.08	6.05	6.09 ( 0.47)	5.17– 6.97	0.08	6.80	6.80 ( 0.58)	5.68– 7.95	0.09



## 2.24 Guillemot/Razorbill

**Table 32: Guillemot/Razorbill - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	15.18	15.19 (2.14)	11.39–19.64	0.14	13.55	13.51 (1.70)	10.26–17.04	0.13	12.68	12.64 (1.45)	10.11–15.69	0.11
2	0.39	0.39 (0.09)	0.21– 0.58	0.23	0.42	0.42 (0.08)	0.27– 0.58	0.19	0.46	0.46 (0.07)	0.32– 0.61	0.15
3	0.87	0.87 (0.13)	0.62– 1.12	0.15	0.75	0.75 (0.12)	0.54– 0.98	0.16	0.67	0.66 (0.10)	0.48– 0.88	0.15
4	0.32	0.32 (0.06)	0.21– 0.43	0.19	0.45	0.45 (0.07)	0.32– 0.59	0.16	0.48	0.49 (0.07)	0.36– 0.63	0.14
5	0.87	0.88 (0.15)	0.58– 1.19	0.17	0.79	0.79 (0.11)	0.58– 1.02	0.14	0.82	0.82 (0.12)	0.60– 1.07	0.15
6	0.22	0.22 (0.07)	0.10– 0.35	0.32	0.23	0.23 (0.06)	0.11– 0.34	0.26	0.20	0.20 (0.05)	0.11– 0.30	0.25
7	1.80	1.81 (0.30)	1.29– 2.45	0.17	1.42	1.42 (0.21)	1.06– 1.87	0.15	1.54	1.54 (0.19)	1.19– 1.96	0.12
8	0.42	0.42 (0.14)	0.20– 0.71	0.33	0.63	0.61 (0.26)	0.21– 1.17	0.43	0.63	0.63 (0.29)	0.19– 1.21	0.46
9	7.27	7.26 (2.73)	3.25–13.43	0.38	12.79	12.50 (4.66)	5.26–22.96	0.37	18.27	18.24 (5.12)	9.58–29.15	0.28
10	15.33	15.04 (4.93)	6.69–25.62	0.33	16.74	16.90 (4.82)	8.61–26.99	0.29	14.19	14.18 (3.90)	7.66–22.60	0.28
11	4.24	4.22 (0.56)	3.14– 5.24	0.13	3.93	3.94 (0.46)	3.07– 4.86	0.12	3.82	3.82 (0.43)	3.00– 4.72	0.11
12	3.00	3.02 (0.29)	2.47– 3.62	0.10	2.92	2.93 (0.25)	2.45– 3.42	0.09	2.97	2.98 (0.25)	2.51– 3.47	0.08
13	6.94	6.95 (0.51)	5.94– 7.98	0.07	6.44	6.44 (0.46)	5.58– 7.35	0.07	6.14	6.12 (0.48)	5.24– 7.11	0.08
14	1.16	1.17 (0.23)	0.72– 1.59	0.20	1.18	1.18 (0.30)	0.69– 1.80	0.25	1.03	1.02 (0.27)	0.57– 1.59	0.26
15	0.14	0.14 (0.04)	0.07– 0.21	0.29	0.10	0.10 (0.03)	0.06– 0.16	0.30	0.14	0.14 (0.05)	0.06– 0.25	0.36
16	2.40	2.42 (0.55)	1.47– 3.57	0.23	2.74	2.72 (0.52)	1.77– 3.78	0.19	2.51	2.51 (0.40)	1.76– 3.31	0.16



Densities (birds/sq. km.) – 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	0.69	0.69 (0.11)	0.48– 0.91	0.16	0.76	0.76 (0.15)	0.50– 1.06	0.20	0.70	0.71 (0.13)	0.47– 0.98	0.18
18	0.67	0.67 (0.14)	0.43– 0.97	0.21	0.63	0.63 (0.12)	0.42– 0.88	0.19	0.66	0.66 (0.10)	0.49– 0.86	0.15
19	1.08	1.07 (0.19)	0.71– 1.45	0.18	2.78	2.75 (0.91)	1.18– 4.72	0.33	3.30	3.39 (0.86)	1.80– 5.11	0.25
20	1.41	1.42 (0.25)	0.97– 1.92	0.18	1.46	1.45 (0.22)	1.06– 1.91	0.15	1.42	1.43 (0.21)	1.06– 1.85	0.15
21	1.60	1.62 (0.23)	1.18– 2.07	0.14	2.03	2.03 (0.28)	1.51– 2.59	0.14	1.96	1.96 (0.23)	1.53– 2.41	0.12
22	1.75	1.75 (0.22)	1.36– 2.21	0.13	2.09	2.09 (0.27)	1.57– 2.63	0.13	2.02	2.01 (0.26)	1.55– 2.55	0.13
23	1.77	1.77 (0.24)	1.33– 2.26	0.14	1.41	1.42 (0.18)	1.09– 1.80	0.13	1.39	1.39 (0.15)	1.10– 1.69	0.11
24	1.37	1.37 (0.21)	0.98– 1.82	0.15	1.83	1.83 (0.24)	1.39– 2.32	0.13	1.62	1.63 (0.21)	1.24– 2.06	0.13
25	0.10	0.10 (0.03)	0.04– 0.16	0.30	0.24	0.24 (0.04)	0.16– 0.33	0.17	0.23	0.23 (0.05)	0.15– 0.32	0.22
26	0.73	0.73 (0.14)	0.48– 1.01	0.19	0.78	0.78 (0.11)	0.58– 1.00	0.14	0.79	0.79 (0.10)	0.60– 0.98	0.13
27	0.73	0.74 (0.13)	0.51– 1.00	0.18	0.61	0.61 (0.09)	0.44– 0.80	0.15	0.56	0.56 (0.08)	0.41– 0.71	0.14
28	1.69	1.69 (0.34)	1.05– 2.39	0.20	2.87	2.88 (0.78)	1.75– 4.62	0.27	2.46	2.41 (0.61)	1.44– 3.72	0.25
29	0.33	0.33 (0.09)	0.17– 0.50	0.27	0.37	0.37 (0.07)	0.25– 0.53	0.19	0.32	0.32 (0.06)	0.21– 0.44	0.19
30	0.28	0.29 (0.08)	0.14– 0.46	0.28	0.26	0.26 (0.06)	0.16– 0.39	0.23	0.24	0.24 (0.05)	0.15– 0.34	0.21



## 2.25 Gull species

**Table 33: Gull species - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1	0.01	0.01 (0.01)	0.00–0.02	1.00
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		0.01	0.01 (0.01)	0.00–0.02	1.00
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		0.04	0.04 (0.04)	0.00–0.12	1	0.04	0.04 (0.03)	0.00–0.11	0.75
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	



Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1	0.01	0.01 (0.01)	0.00–0.04	1.00
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	



## 2.26 Herring Gull

**Table 34: Herring Gull - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50	0.02	0.02 (0.01)	0.00–0.04	0.50
6	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1.00
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	0.20	0.20 (0.11)	0.04–0.46	0.55	0.92	0.95 (0.59)	0.14–2.35	0.62	0.85	0.84 (0.45)	0.22–1.85	0.54
10	0.61	0.61 (0.20)	0.28–1.03	0.33	0.58	0.58 (0.16)	0.31–0.91	0.28	0.52	0.52 (0.13)	0.29–0.80	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	



Densities (birds/sq. km.) – 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	0.05	0.05 (0.02)	0.01–0.10	0.40	0.12	0.12 (0.07)	0.03–0.26	0.58	0.10	0.10 (0.05)	0.03–0.22	0.50
20	0.14	0.14 (0.06)	0.04–0.25	0.43	0.10	0.10 (0.04)	0.04–0.18	0.40	0.10	0.09 (0.03)	0.04–0.16	0.33
21	0.01	0.01 (0.01)	0.00–0.04	1.00	0.02	0.02 (0.01)	0.00–0.05	0.50	0.01	0.01 (0.01)	0.00–0.04	1.00
22	0.08	0.08 (0.07)	0.00–0.25	0.88	0.06	0.06 (0.05)	0.00–0.16	0.83	0.06	0.06 (0.04)	0.00–0.16	0.67
23	0.04	0.04 (0.03)	0.00–0.11	0.75	0.04	0.04 (0.02)	0.00–0.08	0.50	0.04	0.04 (0.02)	0.01–0.08	0.50
24	0.00	0.00 (0.00)	0.00–0.00		0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	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	0.00	0.00 (0.00)	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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.05	0.05 (0.02)	0.01–0.10	0.40	0.03	0.03 (0.02)	0.01–0.07	0.67	0.03	0.03 (0.01)	0.00–0.05	0.33
6	0.01	0.01 (0.01)	0.00–0.04	1.00	0.02	0.02 (0.01)	0.00–0.05	0.50	0.02	0.01 (0.01)	0.00–0.04	1.00
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		0.01	0.01 (0.01)	0.00–0.02	1.00
9	0.23	0.22 (0.11)	0.06–0.47	0.50	0.98	0.99 (0.59)	0.17–2.40	0.60	0.90	0.90 (0.45)	0.27–1.91	0.50
10	0.62	0.62 (0.20)	0.29–1.06	0.32	0.59	0.59 (0.16)	0.32–0.92	0.27	0.53	0.52 (0.13)	0.30–0.80	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	
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	



Densities (birds/sq. km.) – 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	0.05	0.05 (0.02)	0.01–0.10	0.40	0.12	0.12 (0.07)	0.03–0.27	0.58	0.11	0.11 (0.05)	0.03–0.23	0.45
20	0.14	0.14 (0.06)	0.04–0.25	0.43	0.10	0.10 (0.04)	0.04–0.18	0.40	0.10	0.09 (0.03)	0.04–0.16	0.33
21	0.01	0.01 (0.01)	0.00–0.04	1.00	0.02	0.02 (0.01)	0.00–0.05	0.50	0.01	0.01 (0.01)	0.00–0.04	1.00
22	0.09	0.09 (0.07)	0.00–0.26	0.78	0.06	0.06 (0.05)	0.00–0.16	0.83	0.06	0.06 (0.04)	0.00–0.16	0.67
23	0.04	0.04 (0.03)	0.00–0.11	0.75	0.04	0.04 (0.02)	0.00–0.08	0.50	0.04	0.04 (0.02)	0.01–0.08	0.50
24	0.00	0.00 (0.00)	0.00–0.00		0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	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	0.00	0.00 (0.00)	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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.62	0.62 (0.11)	0.41– 0.86	0.18	0.64	0.65 (0.10)	0.47– 0.85	0.15	0.67	0.67 (0.10)	0.49– 0.87	0.15
2	0.25	0.25 (0.08)	0.11– 0.44	0.32	0.25	0.26 (0.07)	0.15– 0.40	0.27	0.31	0.32 (0.12)	0.14– 0.57	0.38
3	1.62	1.62 (0.23)	1.18– 2.09	0.14	1.86	1.86 (0.33)	1.30– 2.57	0.18	1.64	1.66 (0.27)	1.20– 2.25	0.16
4	0.56	0.57 (0.21)	0.22– 1.04	0.37	0.74	0.74 (0.19)	0.39– 1.14	0.26	0.81	0.81 (0.18)	0.48– 1.16	0.22
5	0.72	0.72 (0.14)	0.47– 1.01	0.19	0.84	0.84 (0.13)	0.61– 1.11	0.15	0.76	0.76 (0.11)	0.56– 0.98	0.14
6	0.39	0.41 (0.11)	0.22– 0.67	0.27	0.53	0.52 (0.17)	0.25– 0.90	0.33	0.57	0.57 (0.14)	0.33– 0.88	0.25
7	0.62	0.63 (0.17)	0.33– 1.00	0.27	0.45	0.45 (0.13)	0.23– 0.72	0.29	0.38	0.38 (0.10)	0.21– 0.59	0.26
8	1.39	1.39 (0.23)	0.96– 1.87	0.17	1.66	1.66 (0.33)	1.11– 2.37	0.20	3.48	3.54 (1.93)	1.16– 7.64	0.55
9	6.94	6.94 (1.72)	4.15–10.71	0.25	12.11	12.03 (3.78)	5.69–20.32	0.31	13.27	13.15 (2.90)	7.74–19.16	0.22
10	11.17	11.05 (3.26)	5.43–18.00	0.30	10.62	10.64 (2.52)	6.08–15.86	0.24	11.30	11.42 (2.36)	7.10–16.33	0.21
11	1.05	1.05 (0.15)	0.79– 1.34	0.14	0.89	0.89 (0.12)	0.66– 1.13	0.13	0.86	0.86 (0.10)	0.67– 1.06	0.12
12	0.29	0.29 (0.12)	0.10– 0.55	0.41	0.28	0.28 (0.09)	0.13– 0.47	0.32	0.30	0.30 (0.08)	0.17– 0.48	0.27
13	0.99	0.99 (0.20)	0.62– 1.41	0.20	0.87	0.87 (0.14)	0.60– 1.15	0.16	0.75	0.75 (0.12)	0.53– 1.01	0.16
14	0.83	0.83 (0.16)	0.51– 1.15	0.19	5.48	5.53 (3.26)	0.90–10.55	0.59	6.10	5.95 (2.94)	1.02–12.04	0.49
15	2.51	2.50 (0.38)	1.78– 3.28	0.15	2.09	2.09 (0.29)	1.57– 2.70	0.14	1.81	1.81 (0.24)	1.37– 2.31	0.13
16	4.75	4.77 (1.08)	2.90– 7.02	0.23	6.04	5.95 (1.36)	3.63– 8.86	0.23	5.54	5.48 (1.20)	3.31– 8.05	0.22



Densities (birds/sq. km.) – 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	0.08	0.08 (0.03)	0.03– 0.14	0.38	0.06	0.06 (0.02)	0.02– 0.10	0.33	0.07	0.07 (0.02)	0.04– 0.12	0.29
18	0.00	0.00 (0.00)	0.00– 0.00		0.03	0.03 (0.02)	0.00– 0.06	0.67	0.02	0.02 (0.01)	0.00– 0.05	0.50
19	3.55	3.55 (0.89)	2.02– 5.42	0.25	5.57	5.62 (1.22)	3.42– 8.04	0.22	5.51	5.51 (1.15)	3.51– 7.98	0.21
20	4.04	3.99 (1.19)	2.20– 6.63	0.30	3.99	4.00 (0.89)	2.55– 5.86	0.22	4.08	4.05 (0.74)	2.77– 5.57	0.18
21	1.46	1.47 (0.63)	0.43– 2.77	0.43	2.51	2.52 (0.68)	1.23– 3.89	0.27	2.48	2.46 (0.63)	1.26– 3.71	0.26
22	2.98	2.97 (1.21)	1.32– 5.86	0.41	2.43	2.50 (0.86)	1.26– 4.61	0.34	2.42	2.42 (0.67)	1.40– 3.97	0.28
23	6.48	6.45 (1.97)	2.88– 10.64	0.31	5.44	5.49 (1.41)	2.87– 8.50	0.26	5.27	5.30 (1.16)	3.27– 7.67	0.22
24	1.21	1.21 (0.22)	0.77– 1.66	0.18	1.55	1.55 (0.40)	0.86– 2.41	0.26	1.49	1.51 (0.35)	0.94– 2.29	0.23
25	1.04	1.03 (0.28)	0.57– 1.66	0.27	1.39	1.39 (0.26)	0.92– 1.90	0.19	1.48	1.48 (0.24)	1.05– 1.97	0.16
26	0.77	0.76 (0.12)	0.54– 1.00	0.16	0.86	0.86 (0.11)	0.65– 1.09	0.13	0.99	0.98 (0.19)	0.66– 1.41	0.19
27	2.13	2.15 (0.32)	1.54– 2.80	0.15	1.96	1.97 (0.26)	1.49– 2.49	0.13	1.76	1.77 (0.23)	1.35– 2.23	0.13
28	0.61	0.61 (0.14)	0.36– 0.93	0.23	0.81	0.82 (0.14)	0.56– 1.10	0.17	0.71	0.71 (0.11)	0.51– 0.94	0.15
29	0.03	0.03 (0.02)	0.00– 0.07	0.67	0.02	0.02 (0.01)	0.00– 0.05	0.50	0.02	0.02 (0.01)	0.00– 0.04	0.50
30	0.17	0.17 (0.07)	0.04– 0.31	0.41	0.13	0.13 (0.05)	0.03– 0.24	0.38	0.15	0.15 (0.05)	0.07– 0.25	0.33



**Table 37: KittiwakeApportioned - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.63	0.63 (0.11)	0.42– 0.87	0.17	0.65	0.66 (0.10)	0.47– 0.86	0.15	0.68	0.68 (0.10)	0.50– 0.88	0.15
2	0.28	0.27 (0.09)	0.12– 0.47	0.33	0.27	0.28 (0.07)	0.16– 0.42	0.25	0.33	0.34 (0.12)	0.16– 0.59	0.35
3	1.62	1.62 (0.23)	1.18– 2.09	0.14	1.86	1.86 (0.33)	1.30– 2.57	0.18	1.64	1.66 (0.27)	1.20– 2.25	0.16
4	0.56	0.57 (0.21)	0.22– 1.04	0.37	0.75	0.75 (0.19)	0.41– 1.15	0.25	0.82	0.81 (0.18)	0.50– 1.17	0.22
5	0.72	0.72 (0.14)	0.47– 1.01	0.19	0.84	0.84 (0.13)	0.61– 1.11	0.15	0.77	0.77 (0.11)	0.56– 0.99	0.14
6	0.41	0.41 (0.11)	0.22– 0.67	0.27	0.53	0.52 (0.17)	0.25– 0.90	0.33	0.57	0.57 (0.14)	0.33– 0.88	0.25
7	0.62	0.63 (0.17)	0.33– 1.00	0.27	0.45	0.45 (0.13)	0.23– 0.72	0.29	0.38	0.38 (0.10)	0.21– 0.59	0.26
8	1.39	1.39 (0.23)	0.96– 1.87	0.17	1.68	1.68 (0.33)	1.13– 2.41	0.20	3.49	3.55 (1.93)	1.19– 7.67	0.54
9	6.94	6.94 (1.72)	4.15–10.71	0.25	12.14	12.06 (3.78)	5.73–20.39	0.31	13.31	13.19 (2.90)	7.77–19.21	0.22
10	11.17	11.05 (3.26)	5.43–18.00	0.30	10.62	10.64 (2.52)	6.08–15.86	0.24	11.30	11.42 (2.36)	7.10–16.33	0.21
11	1.05	1.05 (0.15)	0.79– 1.34	0.14	0.89	0.89 (0.12)	0.66– 1.13	0.13	0.86	0.86 (0.10)	0.67– 1.06	0.12
12	0.30	0.30 (0.12)	0.11– 0.56	0.40	0.29	0.29 (0.09)	0.13– 0.48	0.31	0.31	0.31 (0.08)	0.17– 0.48	0.26
13	1.01	1.00 (0.20)	0.63– 1.44	0.20	0.88	0.88 (0.15)	0.61– 1.18	0.17	0.76	0.76 (0.12)	0.53– 1.01	0.16
14	0.83	0.83 (0.16)	0.51– 1.15	0.19	5.48	5.53 (3.26)	0.90–10.55	0.59	6.10	5.95 (2.94)	1.02–12.04	0.49
15	2.51	2.50 (0.38)	1.78– 3.28	0.15	2.09	2.09 (0.29)	1.57– 2.70	0.14	1.81	1.81 (0.24)	1.37– 2.31	0.13
16	4.75	4.77 (1.08)	2.90– 7.02	0.23	6.04	5.95 (1.36)	3.63– 8.86	0.23	5.54	5.48 (1.20)	3.31– 8.05	0.22
17	0.08	0.08 (0.03)	0.03– 0.14	0.38	0.06	0.06 (0.02)	0.02– 0.10	0.33	0.07	0.07 (0.02)	0.04– 0.12	0.29



Densities (birds/sq. km.) – 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		0.03	0.03 (0.02)	0.00– 0.06	0.67	0.02	0.02 (0.01)	0.00– 0.05	0.50
19	3.55	3.55 (0.89)	2.02– 5.42	0.25	5.57	5.63 (1.22)	3.43– 8.05	0.22	5.52	5.52 (1.15)	3.51– 7.98	0.21
20	4.04	3.99 (1.19)	2.20– 6.63	0.30	3.99	4.00 (0.89)	2.55– 5.86	0.22	4.08	4.05 (0.74)	2.77– 5.57	0.18
21	1.46	1.47 (0.63)	0.43– 2.77	0.43	2.51	2.52 (0.68)	1.23– 3.89	0.27	2.48	2.46 (0.63)	1.26– 3.71	0.26
22	2.98	2.97 (1.21)	1.32– 5.86	0.41	2.43	2.50 (0.86)	1.26– 4.61	0.34	2.42	2.42 (0.67)	1.40– 3.97	0.28
23	6.50	6.47 (1.97)	2.92– 10.65	0.30	5.45	5.50 (1.41)	2.88– 8.51	0.26	5.28	5.31 (1.16)	3.28– 7.69	0.22
24	1.22	1.23 (0.22)	0.79– 1.68	0.18	1.56	1.56 (0.40)	0.87– 2.41	0.26	1.50	1.52 (0.35)	0.96– 2.29	0.23
25	1.04	1.03 (0.28)	0.57– 1.66	0.27	1.39	1.39 (0.26)	0.92– 1.90	0.19	1.48	1.48 (0.24)	1.05– 1.97	0.16
26	0.77	0.76 (0.12)	0.54– 1.00	0.16	0.87	0.87 (0.11)	0.66– 1.10	0.13	1.00	0.99 (0.19)	0.67– 1.43	0.19
27	2.13	2.15 (0.32)	1.54– 2.80	0.15	1.96	1.97 (0.26)	1.49– 2.49	0.13	1.76	1.77 (0.23)	1.35– 2.23	0.13
28	0.61	0.61 (0.14)	0.36– 0.93	0.23	0.81	0.82 (0.14)	0.56– 1.10	0.17	0.71	0.71 (0.11)	0.51– 0.94	0.15
29	0.03	0.03 (0.02)	0.00– 0.07	0.67	0.02	0.02 (0.01)	0.00– 0.05	0.50	0.02	0.02 (0.01)	0.00– 0.04	0.50
30	0.17	0.17 (0.07)	0.04– 0.31	0.41	0.13	0.13 (0.05)	0.03– 0.24	0.38	0.15	0.15 (0.05)	0.07– 0.25	0.33



## 2.28 Large Gull species

**Table 38: Large Gull species - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.02	0.02 (0.01)	0.00–0.04	0.50
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	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50	0.02	0.02 (0.01)	0.00–0.04	0.50
6	0.00	0.00 (0.00)	0.00–0.00		0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1.00
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		0.01	0.01 (0.01)	0.00–0.02	1.00
9	0.04	0.04 (0.03)	0.00–0.11	0.75	0.09	0.09 (0.05)	0.02–0.19	0.56	0.11	0.11 (0.04)	0.04–0.20	0.36
10	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.03	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		0.00	0.00 (0.00)	0.00–0.00		0.01	0.01 (0.01)	0.00–0.03	1.00
13	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
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	



Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1.00
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	



## 2.29 Lesser Black-backed Gull

**Table 39: Lesser Black-backed Gull - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	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		0.00	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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (0.00)	0.00–0.00	



Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00–0.02	1
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		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	



**Table 40: LesserBlackBackedGullApportioned - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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	0.00 (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		0.01	0.01 (0.01)	0.00–0.02	1
9	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	
10	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	
11	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	
12	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	
13	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	
14	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	
15	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	
16	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	
17	0	0.00 (0.00)	0.00–0.00		0	0.00 (0.00)	0.00–0.00		0.01	0.01 (0.01)	0.00–0.02	1
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	



Densities (birds/sq. km.) – 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	
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		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	



## 2.30 Little Egret

**Table 41: Little Egret - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	



Densities (birds/sq. km.) – 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	



## 2.31 Manx Shearwater

**Table 42: Manx Shearwater - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	1.47	1.47 (0.38)	0.81– 2.25	0.26	1.24	1.24 (0.29)	0.73– 1.86	0.23	1.24	1.25 (0.26)	0.80– 1.81	0.21
2	0.79	0.79 (0.32)	0.28– 1.50	0.41	1.52	1.51 (0.61)	0.55– 2.85	0.40	1.45	1.45 (0.53)	0.64– 2.64	0.37
3	3.95	3.88 (2.70)	0.75–10.29	0.70	3.43	3.36 (1.86)	0.88– 7.61	0.55	3.05	2.99 (1.53)	0.91– 6.76	0.51
4	0.76	0.73 (0.38)	0.24– 1.64	0.52	0.86	0.87 (0.28)	0.42– 1.53	0.32	0.83	0.84 (0.23)	0.48– 1.36	0.27
5	6.56	6.52 (2.05)	3.02–11.28	0.31	5.90	5.93 (1.60)	3.15– 9.29	0.27	7.40	7.39 (2.04)	3.81–11.99	0.28
6	1.12	1.12 (0.23)	0.69– 1.58	0.21	1.02	1.01 (0.17)	0.70– 1.37	0.17	1.07	1.07 (0.17)	0.74– 1.43	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	0.01	0.01 (0.01)	0.00– 0.04	1.00	0.02	0.02 (0.01)	0.00– 0.05	0.50	0.02	0.02 (0.01)	0.00– 0.04	0.50
13	0.72	0.71 (0.13)	0.47– 0.98	0.18	0.87	0.88 (0.14)	0.62– 1.20	0.16	0.79	0.78 (0.11)	0.59– 1.03	0.14
14	27.52	27.82 (6.90)	15.38–41.95	0.25	26.34	26.33 (5.70)	16.23–37.67	0.22	21.30	21.17 (4.90)	12.45–31.04	0.23
15	1.15	1.14 (0.34)	0.55– 1.86	0.30	6.54	6.77 (4.97)	0.88–17.38	0.73	6.05	5.93 (4.05)	1.11–15.63	0.68
16	5.07	5.04 (1.72)	2.19– 8.99	0.34	5.32	5.37 (1.56)	2.68– 8.70	0.29	5.30	5.28 (1.54)	2.70– 8.53	0.29



Densities (birds/sq. km.) – 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	0.43	0.43 (0.09)	0.26– 0.63	0.21	1.30	1.27 (0.81)	0.31– 3.06	0.64	1.31	1.32 (0.64)	0.50– 2.75	0.48
18	0.04	0.04 (0.02)	0.01– 0.07	0.50	0.04	0.04 (0.01)	0.01– 0.06	0.25	0.12	0.12 (0.04)	0.05– 0.19	0.33
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		0.01	0.01 (0.01)	0.00– 0.04	1.00	0.01	0.01 (0.01)	0.00– 0.02	1.00
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	0.36	0.36 (0.12)	0.15– 0.62	0.33	0.38	0.39 (0.13)	0.16– 0.67	0.33	0.32	0.32 (0.11)	0.14– 0.56	0.34
25	4.47	4.37 (1.04)	2.54– 6.44	0.24	7.06	7.08 (1.06)	5.03– 9.23	0.15	6.31	6.30 (1.07)	4.33– 8.46	0.17
26	1.17	1.16 (0.50)	0.33– 2.31	0.43	1.60	1.59 (0.60)	0.56– 2.89	0.38	2.29	2.22 (1.14)	0.63– 4.83	0.51
27	11.59	11.32 (4.23)	4.35–20.59	0.37	10.09	9.97 (3.50)	3.92–17.70	0.35	8.69	8.57 (2.86)	4.01–14.98	0.33
28	7.10	6.91 (3.54)	1.86–14.65	0.51	11.81	11.56 (4.36)	3.88–21.08	0.38	10.91	10.65 (3.86)	3.73–19.05	0.36
29	0.69	0.70 (0.18)	0.33– 1.07	0.26	0.61	0.60 (0.15)	0.32– 0.89	0.25	3.22	3.21 (0.52)	2.08– 4.40	0.16
30	1.21	1.21 (0.39)	0.58– 2.05	0.32	1.59	1.59 (0.42)	0.90– 2.44	0.26	1.63	1.62 (0.35)	1.03– 2.37	0.22



**Table 43: ManxShearwaterApportioned - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	1.47	1.47 (0.38)	0.81– 2.25	0.26	1.24	1.24 (0.29)	0.73– 1.86	0.23	1.24	1.25 (0.26)	0.80– 1.81	0.21
2	0.79	0.79 (0.32)	0.28– 1.50	0.41	1.52	1.51 (0.61)	0.55– 2.85	0.40	1.47	1.47 (0.53)	0.65– 2.66	0.36
3	4.08	4.02 (2.70)	0.89–10.46	0.67	3.56	3.50 (1.86)	1.00– 7.72	0.53	3.16	3.10 (1.53)	1.02– 6.88	0.49
4	0.92	0.90 (0.39)	0.40– 1.80	0.43	1.01	1.01 (0.28)	0.57– 1.68	0.28	1.01	1.00 (0.23)	0.64– 1.54	0.23
5	6.64	6.60 (2.05)	3.16–11.36	0.31	5.99	6.04 (1.60)	3.24– 9.38	0.26	7.49	7.48 (2.04)	3.90–12.07	0.27
6	1.17	1.17 (0.23)	0.73– 1.63	0.20	1.07	1.06 (0.17)	0.75– 1.41	0.16	1.15	1.15 (0.18)	0.81– 1.50	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	0.01	0.01 (0.01)	0.00– 0.04	1.00	0.02	0.02 (0.01)	0.00– 0.05	0.50	0.02	0.02 (0.01)	0.00– 0.04	0.50
13	2.54	2.55 (0.22)	2.14– 2.98	0.09	2.57	2.55 (0.23)	2.10– 2.99	0.09	2.47	2.46 (0.22)	2.04– 2.91	0.09
14	27.54	27.84 (6.90)	15.40–41.96	0.25	26.36	26.35 (5.70)	16.25–37.69	0.22	21.33	21.20 (4.90)	12.47–31.08	0.23
15	1.26	1.24 (0.34)	0.66– 1.97	0.27	6.64	6.86 (4.97)	0.98–17.49	0.72	6.16	6.03 (4.05)	1.18–15.72	0.67
16	5.34	5.31 (1.72)	2.46– 9.30	0.32	5.73	5.75 (1.56)	3.01– 8.99	0.27	5.66	5.63 (1.55)	3.04– 8.83	0.28
17	0.52	0.52 (0.10)	0.34– 0.72	0.19	1.38	1.35 (0.82)	0.38– 3.17	0.61	1.39	1.39 (0.65)	0.54– 2.85	0.47



Densities (birds/sq. km.) – 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	0.08	0.08 (0.03)	0.02– 0.14	0.38	0.08	0.08 (0.02)	0.04– 0.13	0.25	0.15	0.15 (0.04)	0.08– 0.23	0.27
19	0.00	0.00 (0.00)	0.00– 0.00		0.00	0.00 (0.00)	0.00– 0.01		0.00	0.00 (0.00)	0.00– 0.01	
20	0.00	0.00 (0.00)	0.00– 0.00		0.01	0.01 (0.01)	0.00– 0.04	1.00	0.01	0.01 (0.01)	0.00– 0.02	1.00
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	0.65	0.64 (0.16)	0.34– 0.95	0.25	0.72	0.73 (0.17)	0.44– 1.09	0.23	0.60	0.60 (0.13)	0.35– 0.88	0.22
25	4.63	4.53 (1.04)	2.71– 6.61	0.23	7.24	7.26 (1.06)	5.23– 9.37	0.15	6.51	6.50 (1.07)	4.59– 8.67	0.16
26	1.23	1.23 (0.50)	0.37– 2.39	0.41	1.70	1.69 (0.60)	0.66– 2.98	0.36	2.41	2.33 (1.14)	0.74– 4.91	0.49
27	11.69	11.42 (4.24)	4.53–20.71	0.37	10.19	10.07 (3.50)	4.02–17.79	0.35	8.82	8.70 (2.85)	4.14–15.10	0.33
28	7.79	7.59 (3.56)	2.54–15.30	0.47	12.57	12.31 (4.37)	4.60–21.84	0.35	11.69	11.43 (3.86)	4.57–19.83	0.34
29	0.73	0.74 (0.19)	0.36– 1.11	0.26	0.65	0.64 (0.15)	0.35– 0.94	0.23	3.28	3.26 (0.52)	2.15– 4.44	0.16
30	1.33	1.33 (0.39)	0.71– 2.19	0.29	1.68	1.67 (0.42)	0.97– 2.55	0.25	1.71	1.70 (0.35)	1.09– 2.43	0.21



## 2.32 Puffin

**Table 44: Puffin - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.04	0.04 (0.02)	0.00– 0.10	0.50	0.04	0.04 (0.02)	0.01– 0.08	0.50	0.03	0.03 (0.02)	0.01– 0.07	0.67
2	0.01	0.01 (0.01)	0.00– 0.04	1.00	0.02	0.02 (0.01)	0.00– 0.05	0.50	0.04	0.04 (0.02)	0.00– 0.07	0.50
3	0.06	0.05 (0.03)	0.00– 0.11	0.60	0.04	0.04 (0.02)	0.01– 0.08	0.50	0.03	0.03 (0.02)	0.00– 0.06	0.67
4	0.39	0.39 (0.08)	0.25– 0.56	0.21	0.38	0.38 (0.08)	0.23– 0.55	0.21	0.40	0.40 (0.06)	0.30– 0.51	0.15
5	0.04	0.04 (0.03)	0.00– 0.11	0.75	0.03	0.03 (0.02)	0.00– 0.08	0.67	0.03	0.03 (0.02)	0.00– 0.07	0.67
6	0.39	0.39 (0.12)	0.18– 0.63	0.31	0.34	0.35 (0.09)	0.19– 0.53	0.26	0.32	0.32 (0.07)	0.19– 0.48	0.22
7	0.01	0.01 (0.01)	0.00– 0.04	1.00	0.01	0.01 (0.01)	0.00– 0.03	1.00	0.02	0.02 (0.01)	0.00– 0.04	0.50
8	0.01	0.01 (0.01)	0.00– 0.04	1.00	0.01	0.01 (0.01)	0.00– 0.03	1.00	0.03	0.03 (0.01)	0.01– 0.06	0.33
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	0.10	0.10 (0.04)	0.03– 0.19	0.40	0.10	0.10 (0.03)	0.04– 0.17	0.30	0.09	0.09 (0.03)	0.04– 0.15	0.33
14	0.06	0.05 (0.03)	0.00– 0.12	0.60	0.08	0.07 (0.03)	0.02– 0.14	0.43	0.09	0.09 (0.03)	0.03– 0.16	0.33
15	0.14	0.14 (0.04)	0.06– 0.22	0.29	0.09	0.09 (0.03)	0.03– 0.16	0.33	0.07	0.07 (0.03)	0.02– 0.13	0.43
16	11.03	11.09 (1.83)	7.70– 14.81	0.17	11.61	11.56 (1.42)	8.86– 14.31	0.12	11.51	11.47 (1.17)	9.24– 13.80	0.10



Densities (birds/sq. km.) – 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	2.83	2.80 (0.56)	1.77– 3.97	0.20	2.82	2.82 (0.45)	2.00– 3.73	0.16	2.87	2.87 (0.39)	2.14– 3.66	0.14
18	0.36	0.36 (0.07)	0.24– 0.51	0.19	0.37	0.37 (0.07)	0.23– 0.52	0.19	0.32	0.32 (0.06)	0.21– 0.44	0.19
19	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
20	0.01	0.01 (0.01)	0.00– 0.04	1.00	0.01	0.01 (0.01)	0.00– 0.03	1.00	0.01	0.01 (0.01)	0.00– 0.02	1.00
21	0.00	0.00 (0.00)	0.00– 0.00		0.04	0.04 (0.03)	0.00– 0.09	0.75	0.03	0.03 (0.02)	0.00– 0.07	0.67
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	0.05	0.06 (0.03)	0.01– 0.11	0.50	0.04	0.04 (0.02)	0.01– 0.07	0.50	0.03	0.03 (0.01)	0.01– 0.06	0.33
24	0.08	0.08 (0.04)	0.01– 0.17	0.50	0.09	0.09 (0.03)	0.04– 0.14	0.33	0.08	0.08 (0.03)	0.03– 0.13	0.38
25	0.03	0.03 (0.02)	0.00– 0.07	0.67	0.05	0.05 (0.03)	0.01– 0.11	0.60	0.04	0.04 (0.02)	0.01– 0.08	0.50
26	0.24	0.24 (0.06)	0.13– 0.37	0.25	0.29	0.29 (0.06)	0.18– 0.41	0.21	0.33	0.33 (0.06)	0.22– 0.44	0.18
27	0.99	0.99 (0.16)	0.68– 1.31	0.16	0.93	0.93 (0.13)	0.68– 1.18	0.14	0.94	0.94 (0.11)	0.72– 1.16	0.12
28	2.31	2.30 (0.37)	1.61– 3.00	0.16	2.22	2.22 (0.29)	1.67– 2.78	0.13	2.05	2.06 (0.26)	1.58– 2.54	0.13
29	0.59	0.59 (0.08)	0.43– 0.75	0.14	0.74	0.74 (0.10)	0.54– 0.94	0.14	0.78	0.78 (0.09)	0.62– 0.95	0.12
30	0.36	0.36 (0.08)	0.20– 0.54	0.22	0.35	0.35 (0.07)	0.23– 0.50	0.20	0.32	0.32 (0.06)	0.21– 0.44	0.19



**Table 45: PuffinApportioned - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.04	0.04 (0.02)	0.00– 0.10	0.50	0.04	0.04 (0.02)	0.01– 0.08	0.50	0.03	0.03 (0.02)	0.01– 0.07	0.67
2	0.01	0.01 (0.01)	0.00– 0.04	1.00	0.02	0.02 (0.01)	0.00– 0.05	0.50	0.04	0.04 (0.02)	0.00– 0.07	0.50
3	0.06	0.05 (0.03)	0.00– 0.11	0.60	0.04	0.04 (0.02)	0.01– 0.08	0.50	0.03	0.03 (0.02)	0.00– 0.06	0.67
4	0.40	0.40 (0.08)	0.26– 0.57	0.20	0.39	0.39 (0.08)	0.24– 0.55	0.21	0.41	0.41 (0.06)	0.30– 0.52	0.15
5	0.04	0.04 (0.03)	0.00– 0.11	0.75	0.03	0.03 (0.02)	0.00– 0.08	0.67	0.03	0.03 (0.02)	0.00– 0.07	0.67
6	0.40	0.40 (0.12)	0.19– 0.64	0.30	0.35	0.35 (0.09)	0.20– 0.53	0.26	0.34	0.34 (0.07)	0.20– 0.49	0.21
7	0.01	0.01 (0.01)	0.00– 0.04	1.00	0.01	0.01 (0.01)	0.00– 0.03	1.00	0.02	0.02 (0.01)	0.00– 0.05	0.50
8	0.01	0.01 (0.01)	0.00– 0.04	1.00	0.01	0.01 (0.01)	0.00– 0.03	1.00	0.03	0.03 (0.01)	0.01– 0.06	0.33
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	0.10	0.10 (0.04)	0.03– 0.19	0.40	0.10	0.10 (0.03)	0.04– 0.17	0.30	0.09	0.09 (0.03)	0.04– 0.15	0.33
14	0.06	0.05 (0.03)	0.00– 0.12	0.60	0.08	0.07 (0.03)	0.02– 0.14	0.43	0.09	0.09 (0.03)	0.03– 0.16	0.33
15	0.14	0.14 (0.04)	0.06– 0.22	0.29	0.09	0.09 (0.03)	0.03– 0.16	0.33	0.07	0.07 (0.03)	0.02– 0.13	0.43
16	11.21	11.27 (1.84)	7.86–15.04	0.16	11.81	11.76 (1.42)	9.09–14.51	0.12	11.72	11.67 (1.17)	9.44–14.02	0.10
17	2.85	2.83 (0.56)	1.79– 3.98	0.20	2.85	2.86 (0.45)	2.03– 3.77	0.16	2.90	2.90 (0.39)	2.16– 3.69	0.13



Densities (birds/sq. km.) – 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	0.37	0.37 (0.07)	0.24– 0.52	0.19	0.37	0.38 (0.07)	0.24– 0.53	0.18	0.33	0.33 (0.06)	0.22– 0.45	0.18
19	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
20	0.01	0.01 (0.01)	0.00– 0.04	1.00	0.01	0.01 (0.01)	0.00– 0.03	1.00	0.01	0.01 (0.01)	0.00– 0.02	1.00
21	0.00	0.00 (0.00)	0.00– 0.00		0.04	0.04 (0.03)	0.00– 0.10	0.75	0.03	0.03 (0.02)	0.00– 0.08	0.67
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	0.05	0.06 (0.03)	0.01– 0.11	0.50	0.04	0.04 (0.02)	0.01– 0.07	0.50	0.03	0.03 (0.01)	0.01– 0.06	0.33
24	0.08	0.08 (0.04)	0.01– 0.17	0.50	0.09	0.09 (0.03)	0.04– 0.14	0.33	0.08	0.08 (0.03)	0.03– 0.13	0.38
25	0.03	0.03 (0.02)	0.00– 0.07	0.67	0.05	0.05 (0.03)	0.01– 0.11	0.60	0.04	0.04 (0.02)	0.01– 0.08	0.50
26	0.24	0.25 (0.06)	0.13– 0.37	0.24	0.29	0.30 (0.06)	0.19– 0.41	0.20	0.33	0.33 (0.06)	0.22– 0.44	0.18
27	0.99	0.99 (0.16)	0.68– 1.32	0.16	0.93	0.93 (0.13)	0.68– 1.18	0.14	0.95	0.94 (0.11)	0.72– 1.17	0.12
28	2.31	2.30 (0.37)	1.61– 3.01	0.16	2.23	2.23 (0.29)	1.67– 2.79	0.13	2.06	2.06 (0.26)	1.58– 2.55	0.13
29	0.60	0.60 (0.08)	0.44– 0.76	0.13	0.75	0.75 (0.10)	0.55– 0.96	0.13	0.80	0.80 (0.09)	0.63– 0.97	0.11
30	0.36	0.36 (0.08)	0.20– 0.54	0.22	0.35	0.36 (0.07)	0.23– 0.50	0.19	0.33	0.33 (0.06)	0.22– 0.44	0.18



**Table 46: PuffinAppORTionedCorrected - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.05	0.05 (0.03)	0.00– 0.12	0.60	0.05	0.05 (0.02)	0.01– 0.10	0.40	0.04	0.04 (0.02)	0.01– 0.08	0.50
2	0.02	0.02 (0.02)	0.00– 0.05	1.00	0.02	0.02 (0.02)	0.00– 0.06	1.00	0.04	0.04 (0.02)	0.00– 0.09	0.50
3	0.06	0.06 (0.03)	0.00– 0.13	0.50	0.04	0.04 (0.02)	0.01– 0.09	0.50	0.03	0.03 (0.02)	0.00– 0.07	0.67
4	0.47	0.46 (0.09)	0.30– 0.66	0.20	0.45	0.46 (0.09)	0.28– 0.64	0.20	0.48	0.48 (0.07)	0.35– 0.61	0.15
5	0.05	0.05 (0.03)	0.00– 0.13	0.60	0.03	0.03 (0.03)	0.00– 0.09	1.00	0.04	0.04 (0.02)	0.00– 0.08	0.50
6	0.47	0.46 (0.14)	0.22– 0.75	0.30	0.41	0.41 (0.10)	0.23– 0.62	0.24	0.39	0.39 (0.09)	0.23– 0.58	0.23
7	0.02	0.02 (0.01)	0.00– 0.05	0.50	0.01	0.01 (0.01)	0.00– 0.03	1.00	0.03	0.03 (0.01)	0.00– 0.05	0.33
8	0.02	0.02 (0.02)	0.00– 0.05	1.00	0.01	0.01 (0.01)	0.00– 0.03	1.00	0.04	0.04 (0.02)	0.01– 0.07	0.50
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	0.12	0.12 (0.05)	0.03– 0.22	0.42	0.11	0.11 (0.04)	0.05– 0.19	0.36	0.10	0.10 (0.04)	0.04– 0.18	0.40
14	0.06	0.06 (0.04)	0.00– 0.14	0.67	0.09	0.09 (0.04)	0.02– 0.16	0.44	0.10	0.11 (0.04)	0.03– 0.19	0.36
15	0.16	0.16 (0.05)	0.06– 0.26	0.31	0.11	0.11 (0.04)	0.03– 0.19	0.36	0.09	0.09 (0.03)	0.03– 0.15	0.33
16	13.05	13.12 (2.14)	9.13–17.54	0.16	13.75	13.69 (1.66)	10.56–16.92	0.12	13.64	13.59 (1.37)	10.99–16.31	0.10
17	3.32	3.29 (0.65)	2.07– 4.63	0.20	3.32	3.33 (0.52)	2.37– 4.38	0.16	3.37	3.38 (0.46)	2.51– 4.30	0.14
18	0.43	0.43 (0.08)	0.28– 0.60	0.19	0.44	0.44 (0.08)	0.28– 0.62	0.18	0.38	0.38 (0.07)	0.25– 0.52	0.18



Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00– 0.02	1.00
20	0.02	0.02 (0.02)	0.00– 0.05	1.00	0.01	0.01 (0.01)	0.00– 0.03	1.00	0.01	0.01 (0.01)	0.00– 0.03	1.00
21	0.00	0.00 (0.00)	0.00– 0.00		0.04	0.04 (0.03)	0.00– 0.11	0.75	0.04	0.04 (0.02)	0.00– 0.09	0.50
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	0.06	0.06 (0.03)	0.02– 0.13	0.50	0.04	0.04 (0.02)	0.01– 0.09	0.50	0.03	0.03 (0.02)	0.01– 0.07	0.67
24	0.10	0.10 (0.04)	0.02– 0.20	0.40	0.10	0.10 (0.03)	0.04– 0.17	0.30	0.09	0.09 (0.03)	0.04– 0.15	0.33
25	0.03	0.03 (0.02)	0.00– 0.08	0.67	0.06	0.06 (0.03)	0.01– 0.12	0.50	0.04	0.05 (0.02)	0.01– 0.10	0.40
26	0.28	0.29 (0.07)	0.15– 0.43	0.24	0.34	0.34 (0.07)	0.22– 0.48	0.21	0.39	0.38 (0.07)	0.26– 0.51	0.18
27	1.15	1.14 (0.19)	0.79– 1.54	0.17	1.08	1.08 (0.16)	0.78– 1.38	0.15	1.10	1.10 (0.14)	0.85– 1.37	0.13
28	2.69	2.68 (0.43)	1.86– 3.53	0.16	2.59	2.59 (0.34)	1.95– 3.27	0.13	2.40	2.40 (0.30)	1.83– 2.97	0.12
29	0.70	0.70 (0.10)	0.51– 0.89	0.14	0.87	0.88 (0.12)	0.64– 1.12	0.14	0.93	0.93 (0.10)	0.73– 1.12	0.11
30	0.42	0.42 (0.10)	0.24– 0.63	0.24	0.41	0.42 (0.08)	0.27– 0.58	0.19	0.38	0.38 (0.07)	0.25– 0.51	0.18



## 2.33 Razorbill

**Table 47: Razorbill - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	8.57	8.53 (1.44)	5.98–11.67	0.17	7.72	7.66 (1.22)	5.49–10.23	0.16	6.72	6.68 (1.04)	4.84– 8.91	0.16
2	0.29	0.29 (0.07)	0.17– 0.43	0.24	0.26	0.27 (0.06)	0.16– 0.38	0.22	0.31	0.31 (0.07)	0.18– 0.46	0.23
3	0.54	0.54 (0.06)	0.42– 0.68	0.11	0.44	0.44 (0.06)	0.34– 0.56	0.14	0.40	0.40 (0.05)	0.30– 0.50	0.12
4	0.31	0.31 (0.08)	0.18– 0.46	0.26	0.34	0.33 (0.07)	0.21– 0.47	0.21	0.36	0.37 (0.06)	0.24– 0.49	0.16
5	0.44	0.44 (0.09)	0.28– 0.61	0.20	0.44	0.43 (0.08)	0.28– 0.61	0.19	0.40	0.40 (0.06)	0.29– 0.53	0.15
6	0.04	0.07 (0.03)	0.01– 0.13	0.43	0.19	0.19 (0.10)	0.03– 0.41	0.53	0.21	0.20 (0.11)	0.05– 0.43	0.55
7	0.22	0.22 (0.08)	0.07– 0.37	0.36	0.18	0.18 (0.07)	0.06– 0.31	0.39	0.21	0.21 (0.07)	0.08– 0.36	0.33
8	0.04	0.04 (0.03)	0.00– 0.11	0.75	0.06	0.06 (0.02)	0.02– 0.10	0.33	0.07	0.07 (0.03)	0.02– 0.12	0.43
9	2.49	2.49 (1.36)	0.67– 5.54	0.55	3.61	3.59 (1.17)	1.68– 6.09	0.33	3.60	3.63 (0.96)	1.99– 5.68	0.26
10	0.07	0.07 (0.03)	0.01– 0.13	0.43	0.28	0.27 (0.20)	0.03– 0.72	0.74	0.23	0.22 (0.17)	0.03– 0.57	0.77
11	1.13	1.15 (0.30)	0.62– 1.83	0.26	1.04	1.02 (0.26)	0.54– 1.58	0.25	1.08	1.08 (0.26)	0.60– 1.60	0.24
12	1.31	1.30 (0.14)	1.06– 1.60	0.11	1.70	1.70 (0.18)	1.34– 2.07	0.11	1.87	1.87 (0.18)	1.52– 2.24	0.10
13	8.19	8.24 (0.92)	6.54–10.18	0.11	8.05	8.01 (1.08)	6.04–10.20	0.13	7.56	7.55 (0.98)	5.80– 9.61	0.13
14	0.52	0.53 (0.12)	0.32– 0.76	0.23	0.47	0.47 (0.10)	0.27– 0.70	0.21	0.50	0.49 (0.11)	0.29– 0.71	0.22
15	0.18	0.18 (0.07)	0.07– 0.33	0.39	0.15	0.15 (0.05)	0.07– 0.25	0.33	0.17	0.17 (0.05)	0.09– 0.27	0.29
16	7.47	7.47 (1.43)	4.81–10.21	0.19	7.44	7.47 (1.07)	5.42– 9.54	0.14	6.71	6.74 (0.84)	5.14– 8.52	0.12



Densities (birds/sq. km.) – 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	0.45	0.46 (0.14)	0.23– 0.75	0.30	0.54	0.54 (0.12)	0.34– 0.79	0.22	0.56	0.56 (0.12)	0.36– 0.80	0.21
18	0.47	0.47 (0.39)	0.04– 1.29	0.83	0.37	0.37 (0.28)	0.06– 0.98	0.76	0.34	0.33 (0.21)	0.07– 0.79	0.64
19	2.19	2.20 (0.68)	1.04– 3.64	0.31	6.13	6.04 (2.54)	2.15– 11.79	0.42	7.71	7.67 (2.69)	3.13– 13.63	0.35
20	1.71	1.70 (0.52)	0.82– 2.81	0.31	1.77	1.78 (0.45)	1.03– 2.70	0.25	1.57	1.57 (0.36)	0.94– 2.29	0.23
21	1.38	1.39 (0.27)	0.88– 1.97	0.19	4.25	4.25 (2.34)	1.19– 9.48	0.55	3.75	3.82 (1.83)	1.29– 7.79	0.48
22	0.54	0.53 (0.13)	0.29– 0.81	0.25	0.45	0.46 (0.10)	0.26– 0.67	0.22	0.49	0.49 (0.10)	0.30– 0.69	0.20
23	0.42	0.43 (0.10)	0.26– 0.62	0.23	0.35	0.35 (0.07)	0.22– 0.50	0.20	0.43	0.42 (0.08)	0.27– 0.58	0.19
24	7.15	7.16 (0.64)	5.92– 8.41	0.09	8.01	8.03 (0.70)	6.73– 9.42	0.09	7.42	7.44 (0.67)	6.16– 8.85	0.09
25	0.20	0.20 (0.05)	0.11– 0.30	0.25	0.32	0.32 (0.06)	0.22– 0.43	0.19	0.31	0.31 (0.06)	0.21– 0.42	0.19
26	1.59	1.59 (0.18)	1.24– 1.94	0.11	2.33	2.33 (0.26)	1.85– 2.84	0.11	2.51	2.51 (0.28)	1.99– 3.04	0.11
27	0.85	0.84 (0.14)	0.58– 1.13	0.17	0.73	0.73 (0.11)	0.53– 0.96	0.15	0.69	0.69 (0.09)	0.51– 0.88	0.13
28	4.31	4.28 (0.78)	2.83– 5.92	0.18	5.94	6.01 (1.35)	3.81– 9.18	0.22	5.82	5.84 (1.13)	3.98– 8.22	0.19
29	0.40	0.40 (0.09)	0.23– 0.58	0.22	0.45	0.45 (0.09)	0.29– 0.63	0.20	0.43	0.43 (0.08)	0.29– 0.59	0.19
30	0.28	0.28 (0.12)	0.10– 0.54	0.43	0.43	0.42 (0.11)	0.23– 0.65	0.26	0.38	0.38 (0.09)	0.21– 0.57	0.24



**Table 48: RazorbillApportioned - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	14.29	14.25 (1.97)	10.72–18.36	0.14	12.84	12.75 (1.65)	9.72–16.35	0.13	11.52	11.48 (1.40)	9.04–14.38	0.12
2	0.30	0.30 (0.07)	0.17– 0.44	0.23	0.28	0.28 (0.06)	0.18– 0.39	0.21	0.33	0.33 (0.07)	0.19– 0.48	0.21
3	0.57	0.57 (0.06)	0.45– 0.70	0.11	0.47	0.47 (0.06)	0.36– 0.58	0.13	0.43	0.42 (0.05)	0.32– 0.52	0.12
4	0.33	0.33 (0.08)	0.20– 0.49	0.24	0.37	0.37 (0.07)	0.25– 0.51	0.19	0.40	0.40 (0.06)	0.28– 0.53	0.15
5	0.47	0.46 (0.09)	0.30– 0.64	0.20	0.46	0.46 (0.08)	0.31– 0.63	0.17	0.42	0.42 (0.06)	0.31– 0.55	0.14
6	0.09	0.09 (0.03)	0.04– 0.15	0.33	0.21	0.21 (0.10)	0.06– 0.43	0.48	0.23	0.22 (0.11)	0.07– 0.45	0.50
7	0.59	0.60 (0.10)	0.41– 0.80	0.17	0.48	0.48 (0.08)	0.33– 0.64	0.17	0.53	0.53 (0.08)	0.38– 0.71	0.15
8	0.08	0.08 (0.03)	0.03– 0.14	0.38	0.11	0.10 (0.03)	0.05– 0.17	0.30	0.12	0.12 (0.03)	0.06– 0.19	0.25
9	5.30	5.26 (1.72)	2.38– 8.78	0.33	8.46	8.34 (2.12)	4.61–12.84	0.25	10.56	10.55 (2.17)	6.70–15.13	0.21
10	1.60	1.33 (0.42)	0.63– 2.21	0.32	1.68	1.69 (0.45)	0.89– 2.62	0.27	1.42	1.41 (0.36)	0.76– 2.19	0.26
11	1.79	1.81 (0.31)	1.24– 2.48	0.17	1.65	1.64 (0.27)	1.14– 2.21	0.16	1.67	1.68 (0.27)	1.20– 2.23	0.16
12	2.67	2.66 (0.20)	2.29– 3.07	0.08	3.03	3.03 (0.21)	2.63– 3.45	0.07	3.23	3.22 (0.21)	2.80– 3.65	0.07
13	9.65	9.71 (0.96)	7.93–11.71	0.10	9.42	9.37 (1.11)	7.36–11.58	0.12	8.85	8.85 (0.98)	7.06–10.87	0.11
14	0.54	0.54 (0.12)	0.33– 0.77	0.22	0.49	0.49 (0.10)	0.29– 0.71	0.20	0.51	0.51 (0.11)	0.30– 0.73	0.22
15	0.19	0.18 (0.07)	0.07– 0.34	0.39	0.16	0.16 (0.05)	0.07– 0.26	0.31	0.18	0.18 (0.05)	0.10– 0.27	0.28
16	8.06	8.06 (1.44)	5.41–10.81	0.18	8.10	8.13 (1.08)	6.09–10.25	0.13	7.33	7.36 (0.85)	5.77– 9.15	0.12
17	0.56	0.56 (0.14)	0.33– 0.86	0.25	0.66	0.66 (0.13)	0.43– 0.92	0.20	0.67	0.67 (0.12)	0.46– 0.92	0.18
18	0.64	0.64 (0.39)	0.19– 1.48	0.61	0.52	0.53 (0.28)	0.20– 1.18	0.53	0.50	0.49 (0.21)	0.23– 0.97	0.43



Densities (birds/sq. km.) – 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	2.75	2.78 (0.69)	1.60– 4.25	0.25	7.61	7.52 (2.58)	3.42–13.26	0.34	9.48	9.48 (2.73)	4.80–15.70	0.29
20	1.94	1.94 (0.52)	1.05– 3.03	0.27	2.01	2.02 (0.45)	1.26– 2.95	0.22	1.81	1.81 (0.36)	1.17– 2.53	0.20
21	2.09	2.11 (0.29)	1.56– 2.69	0.14	5.11	5.18 (2.41)	2.02–10.48	0.47	4.64	4.71 (1.84)	2.16– 8.66	0.39
22	0.63	0.62 (0.13)	0.38– 0.90	0.21	0.55	0.56 (0.10)	0.36– 0.78	0.18	0.59	0.59 (0.10)	0.40– 0.78	0.17
23	0.47	0.47 (0.10)	0.30– 0.67	0.21	0.39	0.39 (0.07)	0.25– 0.54	0.18	0.46	0.46 (0.08)	0.30– 0.62	0.17
24	7.67	7.67 (0.66)	6.39– 8.97	0.09	8.71	8.72 (0.72)	7.38–10.18	0.08	8.05	8.05 (0.68)	6.74– 9.49	0.08
25	0.20	0.20 (0.05)	0.12– 0.30	0.25	0.33	0.33 (0.06)	0.23– 0.44	0.18	0.32	0.32 (0.06)	0.21– 0.43	0.19
26	1.68	1.68 (0.18)	1.32– 2.03	0.11	2.42	2.42 (0.26)	1.95– 2.93	0.11	2.61	2.61 (0.28)	2.08– 3.15	0.11
27	0.87	0.87 (0.14)	0.60– 1.15	0.16	0.75	0.75 (0.11)	0.55– 0.97	0.15	0.70	0.70 (0.09)	0.53– 0.89	0.13
28	4.57	4.54 (0.79)	3.08– 6.22	0.17	6.38	6.44 (1.38)	4.13– 9.62	0.21	6.21	6.22 (1.15)	4.32– 8.59	0.18
29	0.45	0.45 (0.09)	0.28– 0.63	0.20	0.50	0.50 (0.09)	0.34– 0.68	0.18	0.48	0.48 (0.08)	0.34– 0.64	0.17
30	0.32	0.32 (0.12)	0.13– 0.58	0.38	0.46	0.46 (0.11)	0.27– 0.67	0.24	0.41	0.41 (0.09)	0.25– 0.60	0.22



**Table 49: RazorbillApportionedCorrected - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	17.26	17.22 (2.38)	12.98–22.19	0.14	15.50	15.39 (2.00)	11.67–19.71	0.13	13.91	13.86 (1.68)	10.92–17.33	0.12
2	0.36	0.37 (0.08)	0.21– 0.54	0.22	0.33	0.34 (0.07)	0.21– 0.47	0.21	0.40	0.40 (0.09)	0.23– 0.58	0.22
3	0.69	0.69 (0.08)	0.54– 0.85	0.12	0.56	0.57 (0.07)	0.44– 0.70	0.12	0.52	0.51 (0.06)	0.39– 0.63	0.12
4	0.41	0.41 (0.09)	0.25– 0.60	0.22	0.44	0.45 (0.08)	0.30– 0.62	0.18	0.48	0.49 (0.08)	0.34– 0.64	0.16
5	0.57	0.56 (0.11)	0.37– 0.77	0.20	0.55	0.55 (0.10)	0.38– 0.76	0.18	0.51	0.51 (0.07)	0.37– 0.66	0.14
6	0.11	0.11 (0.04)	0.04– 0.18	0.36	0.26	0.25 (0.12)	0.07– 0.53	0.48	0.28	0.27 (0.13)	0.08– 0.55	0.48
7	0.70	0.71 (0.14)	0.50– 1.06	0.20	0.57	0.57 (0.10)	0.39– 0.77	0.18	0.63	0.63 (0.10)	0.46– 0.84	0.16
8	0.09	0.09 (0.04)	0.03– 0.17	0.44	0.13	0.13 (0.04)	0.06– 0.20	0.31	0.14	0.14 (0.04)	0.07– 0.23	0.29
9	6.32	6.27 (2.08)	2.78–10.51	0.33	10.13	9.98 (2.56)	5.53–15.31	0.26	12.67	12.66 (2.63)	8.02–18.17	0.21
10	1.94	1.61 (0.50)	0.76– 2.67	0.31	2.03	2.04 (0.55)	1.07– 3.17	0.27	1.71	1.71 (0.44)	0.92– 2.65	0.26
11	2.17	2.19 (0.37)	1.50– 3.00	0.17	2.00	1.98 (0.32)	1.38– 2.68	0.16	2.02	2.03 (0.32)	1.45– 2.70	0.16
12	3.23	3.21 (0.24)	2.77– 3.71	0.07	3.66	3.66 (0.26)	3.18– 4.17	0.07	3.90	3.89 (0.26)	3.38– 4.42	0.07
13	11.62	11.62 (1.11)	9.57–13.75	0.10	11.34	11.31 (1.25)	9.08–14.02	0.11	10.66	10.67 (1.13)	8.55–12.96	0.11
14	0.65	0.66 (0.14)	0.40– 0.93	0.21	0.59	0.59 (0.13)	0.35– 0.86	0.22	0.62	0.61 (0.13)	0.37– 0.88	0.21
15	0.23	0.23 (0.08)	0.09– 0.40	0.35	0.19	0.19 (0.06)	0.09– 0.31	0.32	0.21	0.21 (0.06)	0.11– 0.34	0.29
16	9.76	9.76 (1.74)	6.57–13.09	0.18	9.81	9.84 (1.31)	7.38–12.42	0.13	8.87	8.92 (1.03)	6.98–11.07	0.12
17	0.67	0.68 (0.17)	0.40– 1.04	0.25	0.80	0.79 (0.15)	0.52– 1.12	0.19	0.81	0.81 (0.15)	0.56– 1.11	0.19



Densities (birds/sq. km.) – 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	0.68	0.70 (0.39)	0.22– 1.54	0.56	0.57	0.57 (0.27)	0.23– 1.16	0.47	0.56	0.56 (0.22)	0.28– 1.02	0.39
19	3.24	3.27 (0.85)	1.85– 5.15	0.26	9.12	9.02 (3.09)	4.24–15.70	0.34	11.38	11.38 (3.28)	5.74–18.91	0.29
20	2.31	2.30 (0.63)	1.22– 3.67	0.27	2.40	2.41 (0.54)	1.51– 3.54	0.22	2.15	2.16 (0.43)	1.40– 3.05	0.20
21	2.48	2.51 (0.33)	1.89– 3.22	0.13	6.15	6.24 (2.91)	2.45–12.69	0.47	5.58	5.66 (2.22)	2.60–10.48	0.39
22	0.77	0.75 (0.16)	0.46– 1.08	0.21	0.67	0.68 (0.13)	0.44– 0.95	0.19	0.71	0.71 (0.12)	0.48– 0.95	0.17
23	0.57	0.57 (0.12)	0.36– 0.81	0.21	0.47	0.47 (0.09)	0.31– 0.65	0.19	0.56	0.55 (0.10)	0.37– 0.75	0.18
24	9.17	9.17 (0.80)	7.62–10.74	0.09	10.43	10.45 (0.90)	8.78–12.26	0.09	9.65	9.64 (0.83)	8.03–11.42	0.09
25	0.25	0.24 (0.06)	0.14– 0.37	0.25	0.40	0.40 (0.07)	0.28– 0.53	0.18	0.39	0.39 (0.07)	0.26– 0.52	0.18
26	2.01	2.02 (0.20)	1.59– 2.41	0.10	2.91	2.92 (0.31)	2.35– 3.53	0.11	3.15	3.14 (0.33)	2.53– 3.80	0.11
27	1.05	1.05 (0.17)	0.73– 1.39	0.16	0.91	0.91 (0.13)	0.67– 1.18	0.14	0.85	0.85 (0.11)	0.64– 1.08	0.13
28	5.49	5.53 (0.98)	3.67– 7.61	0.18	7.69	7.78 (1.61)	4.99–11.30	0.21	7.48	7.49 (1.39)	5.20–10.43	0.19
29	0.55	0.54 (0.11)	0.34– 0.76	0.20	0.61	0.61 (0.11)	0.41– 0.82	0.18	0.58	0.58 (0.09)	0.41– 0.77	0.16
30	0.36	0.35 (0.12)	0.15– 0.63	0.34	0.51	0.52 (0.13)	0.30– 0.79	0.25	0.47	0.47 (0.10)	0.28– 0.69	0.21



## 2.34 Red-throated Diver

**Table 50: Red-throated Diver - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.05	1	0.01	0.01 (0.01)	0.00–0.03	1	0.01	0.01 (0.01)	0.00–0.02	1
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	



Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1	0.01	0.01 (0.01)	0.00–0.02	1
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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1	0.01	0.01 (0.01)	0.00–0.03	1.0
2	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1	0.01	0.01 (0.01)	0.00–0.02	1.0
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		0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.02	1.0
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		0.02	0.02 (0.02)	0.00–0.06	1	0.02	0.02 (0.01)	0.00–0.05	0.5
9	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	1.0
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	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1	0.01	0.01 (0.01)	0.00–0.03	1.0
13	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1	0.01	0.01 (0.01)	0.00–0.02	1.0
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	



Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00–0.03	1	0.01	0.01 (0.01)	0.00–0.03	1.0
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	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1	0.01	0.01 (0.01)	0.00–0.02	1.0
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		0.01	0.01 (0.01)	0.00–0.03	1	0.01	0.01 (0.01)	0.00–0.02	1.0
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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.5



Densities (birds/sq. km.) – 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	0.01	0.01 (0.01)	0.00–0.04	1	0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1.0
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		0.01	0.01 (0.01)	0.00–0.02	1.0
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 - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1.00
8	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50	0.03	0.03 (0.02)	0.01–0.07	0.67
9	0.01	0.01 (0.01)	0.00–0.04	1.00	0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	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	0.03	0.03 (0.02)	0.00–0.07	0.67	0.02	0.02 (0.01)	0.00–0.05	0.50	0.01	0.01 (0.01)	0.00–0.04	1.00
16	0.03	0.03 (0.03)	0.00–0.08	1.00	0.03	0.03 (0.02)	0.00–0.08	0.67	0.02	0.02 (0.02)	0.00–0.06	1.00



Densities (birds/sq. km.) – 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		0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.04	1.00
18	0.03	0.03 (0.02)	0.00–0.05	0.67	0.04	0.04 (0.02)	0.01–0.07	0.50	0.03	0.03 (0.01)	0.01–0.06	0.33
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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.02	0.02 (0.01)	0.00–0.05	0.50	0.01	0.02 (0.01)	0.00–0.04	0.50
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		0.01	0.01 (0.01)	0.00–0.02	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	0.01	0.01 (0.01)	0.00–0.04	1.00	0.06	0.06 (0.02)	0.02–0.11	0.33	0.05	0.05 (0.02)	0.02–0.09	0.40
29	0.06	0.06 (0.03)	0.01–0.13	0.50	0.05	0.05 (0.02)	0.01–0.09	0.40	0.04	0.04 (0.02)	0.01–0.08	0.50
30	0.00	0.00 (0.00)	0.00–0.00		0.01	0.01 (0.01)	0.00–0.03	1.00	0.01	0.01 (0.01)	0.00–0.02	1.00



## 2.38 Wader species

**Table 54: Wader species - Densities 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. Density 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).**

Densities (birds/sq. km.) – 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		0.02	0.02 (0.02)	0.00–0.06	1.00	0.01	0.02 (0.02)	0.00–0.04	1.00
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	



Densities (birds/sq. km.) – 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		0.26	0.26 (0.25)	0.00–0.79	0.96	0.21	0.20 (0.20)	0.00–0.62	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	0.09	0.08 (0.08)	0.00–0.26	1.00	0.06	0.06 (0.06)	0.00–0.18	1.00	0.05	0.05 (0.05)	0.00–0.14	1.00
30	0.16	0.16 (0.11)	0.00–0.41	0.69	0.11	0.11 (0.07)	0.00–0.27	0.64	0.08	0.08 (0.06)	0.00–0.21	0.75



