




F I V E   
ESTUARIES  
OFFSHORE WIND FARM

FIVE ESTUARIES  
OFFSHORE WIND FARM  
PRELIMINARY ENVIRONMENTAL  
INFORMATION REPORT

VOLUME 4, ANNEX 4.5: SEABIRD  
DENSITIES BY SURVEY

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MacArthur  
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# Five Estuaries Offshore Windfarm

## Ornithology Technical Annex 4.5 Seabird densities by survey

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## 1 INTRODUCTION

This annex provides tables of seabird density in each survey for each species recorded during the Five Estuaries Offshore Windfarm (VE) baseline surveys (March 2019 – February 2021).

The densities were estimated using design-based methods and are summarised as central estimate (i.e. extrapolated from the number seen in the surveyed area to the whole area) and 95% confidence range, derived from 1,000 nonparametric bootstrap samples.

Table 1. VE North. Density of Black-headed gull recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0.13 (0.07)	0-0.26	0.17 (0.07)	0.05-0.3
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0.02 (0.02)	0-0.05
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 2. VE North. Density of Common gull recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2019	0 (0)	0-0	0 (0)	0-0	0.02 (0.02)	0-0.05
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0.04 (0.04)	0-0.13	0.02 (0.02)	0-0.07
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0.1 (0.08)	0-0.3	0.04 (0.03)	0-0.13	0.02 (0.02)	0-0.07
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0.1 (0.08)	0-0.3	0.04 (0.04)	0-0.13	0.02 (0.02)	0-0.07
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0.04 (0.03)	0-0.09	0.05 (0.02)	0-0.1

Table 3. VE North. Density of Common tern recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0.11 (0.08)	0-0.21	0.04 (0.04)	0-0.13	0.03 (0.02)	0-0.08
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0



Table 4. VE North. Density of Fulmar recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0.32 (0.18)	0-0.74	0.18 (0.09)	0.04-0.36	0.16 (0.05)	0.05-0.26
Apr-2019	0.1 (0.09)	0-0.31	0.04 (0.04)	0-0.13	0.05 (0.03)	0-0.1
May-2019	0.32 (0.13)	0.11-0.53	0.23 (0.09)	0.09-0.41	0.18 (0.06)	0.05-0.31
Jun-2019	0.21 (0.18)	0-0.64	0.09 (0.07)	0-0.27	0.08 (0.05)	0-0.16
Jul-2019	0.63 (0.49)	0-1.68	0.27 (0.2)	0-0.72	0.16 (0.11)	0-0.41
Aug-2019	0 (0)	0-0	0 (0)	0-0	0.05 (0.03)	0-0.1
Sep-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Oct-2019	0 (0)	0-0	0.04 (0.03)	0-0.09	0.03 (0.02)	0-0.05
Nov-2019	0 (0)	0-0	0.04 (0.04)	0-0.13	0.03 (0.02)	0-0.08
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0.1 (0.09)	0-0.31	0.04 (0.04)	0-0.13	0.08 (0.03)	0.03-0.15
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0.04 (0.03)	0-0.09	0.05 (0.03)	0-0.1
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.05
Jun-2020	0.1 (0.08)	0-0.3	0.04 (0.04)	0-0.13	0.05 (0.02)	0-0.07
Jul-2020	0 (0)	0-0	0.04 (0.03)	0-0.13	0.05 (0.02)	0-0.07
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0.02 (0.02)	0-0.05
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0.02 (0.02)	0-0.05
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 5. VE North. Density of Gannet recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0.53 (0.34)	0-1.26	0.36 (0.16)	0.09-0.67	0.39 (0.11)	0.18-0.62
Apr-2019	0.1 (0.08)	0-0.31	0.4 (0.14)	0.13-0.67	0.36 (0.11)	0.16-0.54
May-2019	0 (0)	0-0	0.09 (0.05)	0-0.18	0.05 (0.03)	0-0.1
Jun-2019	0.32 (0.15)	0.1-0.64	0.14 (0.06)	0-0.27	0.13 (0.04)	0.05-0.21
Jul-2019	0.42 (0.3)	0-1.05	0.18 (0.13)	0-0.45	0.13 (0.08)	0-0.31
Aug-2019	1.37 (0.62)	0.21-2.64	1.35 (0.42)	0.63-2.21	1.3 (0.24)	0.83-1.77
Sep-2019	0 (0)	0-0	0.27 (0.14)	0.04-0.58	0.18 (0.08)	0.03-0.34
Oct-2019	0.53 (0.29)	0-1.16	0.31 (0.14)	0.09-0.63	0.26 (0.08)	0.13-0.41
Nov-2019	3.05 (1.48)	0.63-6.1	2.92 (0.8)	1.48-4.59	2.67 (0.42)	1.82-3.48
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0.04 (0.04)	0-0.13	0.05 (0.04)	0-0.12
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0.02 (0.02)	0-0.05
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0.04 (0.04)	0-0.13	0.1 (0.03)	0.05-0.15
Jul-2020	0.71 (0.37)	0.1-1.42	0.3 (0.16)	0.04-0.65	0.2 (0.09)	0.05-0.37
Aug-2020	0.1 (0.08)	0-0.3	0.09 (0.05)	0-0.17	0.07 (0.04)	0-0.15
Sep-2020	0.3 (0.17)	0-0.7	0.26 (0.1)	0.09-0.43	0.2 (0.07)	0.07-0.35
Oct-2020	0.1 (0.08)	0-0.3	0.26 (0.1)	0.09-0.47	0.3 (0.07)	0.15-0.45
Nov-2020	1.21 (0.59)	0.1-2.32	2.11 (0.55)	1.08-3.14	1.57 (0.28)	1.07-2.14
Dec-2020	0.6 (0.43)	0-1.61	0.34 (0.23)	0-0.82	0.22 (0.13)	0.02-0.5
Jan-2021	0 (0)	0-0	0.04 (0.04)	0-0.13	0.02 (0.02)	0-0.07
Feb-2021	0 (0)	0-0	0 (0)	0-0	0.05 (0.03)	0-0.1

Table 6. VE North. Density of Great black-backed gull recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0.11 (0.09)	0-0.32	0.04 (0.04)	0-0.13	0.03 (0.02)	0-0.08
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0.05 (0.03)	0-0.09	0.03 (0.02)	0-0.05
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0.11 (0.08)	0-0.32	0.04 (0.03)	0-0.13	0.05 (0.03)	0-0.1
Nov-2019	0 (0)	0-0	0.09 (0.04)	0-0.18	0.16 (0.05)	0.08-0.26
Dec-2019	0.2 (0.16)	0-0.61	0.13 (0.1)	0-0.35	0.1 (0.06)	0-0.22
Jan-2020	0 (0)	0-0	0.04 (0.04)	0-0.13	0.05 (0.03)	0-0.1
Feb-2020	0 (0)	0-0	0.04 (0.03)	0-0.09	0.02 (0.02)	0-0.05
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0.22 (0.13)	0-0.45
Nov-2020	0 (0)	0-0	0 (0)	0-0	0.05 (0.03)	0-0.1
Dec-2020	0.3 (0.17)	0-0.6	0.34 (0.12)	0.13-0.56	0.82 (0.35)	0.25-1.61
Jan-2021	0.1 (0.08)	0-0.3	0.04 (0.04)	0-0.13	0.05 (0.03)	0-0.1
Feb-2021	0 (0)	0-0	0.04 (0.04)	0-0.13	0.02 (0.02)	0-0.07

Table 7. VE North. Density of Guillemot recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	5.25 (1.83)	1.79-8.83	5.03 (0.91)	3.32-6.91	5.7 (0.68)	4.4-7.07
Apr-2019	2.83 (1.2)	0.63-5.14	2.82 (0.5)	1.88-3.81	3.52 (0.43)	2.72-4.37
May-2019	0 (0)	0-0	0.14 (0.08)	0-0.32	0.13 (0.05)	0.05-0.23
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0.21 (0.17)	0-0.63	0.36 (0.12)	0.09-0.54	0.26 (0.07)	0.13-0.41
Aug-2019	0 (0)	0-0	0.5 (0.22)	0.09-0.95	0.29 (0.13)	0.05-0.57
Sep-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.05
Oct-2019	0.11 (0.09)	0-0.32	0.13 (0.06)	0-0.27	0.28 (0.06)	0.18-0.39
Nov-2019	2.1 (0.81)	0.63-3.79	1.89 (0.44)	1.03-2.74	1.97 (0.22)	1.56-2.41
Dec-2019	1.21 (0.48)	0.3-2.23	1.69 (0.45)	0.82-2.55	1.42 (0.28)	0.9-1.97
Jan-2020	1.66 (0.54)	0.62-2.7	1.73 (0.37)	1.02-2.49	1.82 (0.24)	1.36-2.28
Feb-2020	5.32 (2.74)	0.7-10.75	5.92 (1.35)	3.13-8.41	6.69 (1.03)	4.65-8.67
Mar-2020	1.81 (0.83)	0.3-3.52	2.19 (0.37)	1.42-2.93	2.09 (0.29)	1.54-2.63
Apr-2020	0.6 (0.29)	0.1-1.2	0.43 (0.13)	0.17-0.69	0.72 (0.15)	0.45-1.04
May-2020	0.31 (0.25)	0-0.92	0.35 (0.17)	0.04-0.7	0.33 (0.11)	0.13-0.55
Jun-2020	0 (0)	0-0	0.13 (0.08)	0-0.3	0.07 (0.04)	0-0.17
Jul-2020	0.1 (0.08)	0-0.3	0.13 (0.06)	0-0.26	0.1 (0.04)	0.02-0.17
Aug-2020	0 (0)	0-0	0.04 (0.04)	0-0.13	0.02 (0.02)	0-0.07
Sep-2020	1.71 (0.84)	0.2-3.42	1.16 (0.35)	0.52-1.85	0.94 (0.18)	0.62-1.29
Oct-2020	0 (0)	0-0	0.39 (0.24)	0-0.9	0.27 (0.14)	0.05-0.6
Nov-2020	0.4 (0.18)	0-0.71	0.43 (0.12)	0.22-0.65	0.42 (0.1)	0.25-0.6
Dec-2020	2.72 (1.24)	0.5-5.24	2.93 (0.6)	1.72-4.05	2.83 (0.26)	2.38-3.38
Jan-2021	1.21 (0.55)	0.2-2.32	1.08 (0.29)	0.52-1.64	1.12 (0.18)	0.77-1.52
Feb-2021	1.01 (0.51)	0.1-2.01	1.07 (0.29)	0.56-1.63	1.22 (0.24)	0.77-1.69

Table 8. VE North. Density of Guillemot (including unidentified auks apportioned using identified auk ratios) recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	5.46 (1.9)	1.86-9.18	5.21 (0.94)	3.44-7.16	5.88 (0.7)	4.54-7.3
Apr-2019	3.15 (1.34)	0.7-5.71	3.27 (0.58)	2.18-4.42	3.83 (0.47)	2.96-4.76
May-2019	0 (0)	0-0	0.14 (0.08)	0-0.32	0.16 (0.06)	0.06-0.28
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0.21 (0.17)	0-0.63	0.36 (0.12)	0.09-0.54	0.26 (0.07)	0.13-0.41
Aug-2019	0 (0)	0-0	0.54 (0.24)	0.1-1.03	0.31 (0.15)	0.06-0.62
Sep-2019	0 (0)	0-0	0 (0)	0-0	0.05 (0.04)	0-0.1
Oct-2019	0.11 (0.09)	0-0.32	0.18 (0.08)	0-0.36	0.34 (0.07)	0.21-0.46
Nov-2019	2.31 (0.9)	0.69-4.17	2.16 (0.5)	1.18-3.13	2.18 (0.24)	1.72-2.67
Dec-2019	1.32 (0.52)	0.33-2.41	1.86 (0.5)	0.91-2.81	1.57 (0.31)	0.99-2.18
Jan-2020	2.29 (0.74)	0.86-3.72	2 (0.43)	1.18-2.87	2.13 (0.28)	1.59-2.67
Feb-2020	6.03 (3.1)	0.8-12.16	6.65 (1.52)	3.52-9.45	7.23 (1.11)	5.03-9.37
Mar-2020	2.01 (0.92)	0.34-3.92	2.37 (0.4)	1.53-3.16	2.23 (0.31)	1.65-2.82
Apr-2020	0.6 (0.29)	0.1-1.2	0.43 (0.13)	0.17-0.69	0.72 (0.15)	0.45-1.04
May-2020	0.41 (0.33)	0-1.22	0.39 (0.2)	0.05-0.79	0.43 (0.14)	0.16-0.72
Jun-2020	0 (0)	0-0	0.13 (0.08)	0-0.3	0.07 (0.04)	0-0.17
Jul-2020	0.1 (0.08)	0-0.3	0.13 (0.06)	0-0.26	0.1 (0.04)	0.02-0.17
Aug-2020	0 (0)	0-0	0.04 (0.04)	0-0.13	0.02 (0.02)	0-0.07
Sep-2020	1.71 (0.84)	0.2-3.42	1.16 (0.35)	0.52-1.85	0.97 (0.18)	0.64-1.32
Oct-2020	0 (0)	0-0	0.39 (0.24)	0-0.9	0.27 (0.14)	0.05-0.6
Nov-2020	0.4 (0.18)	0-0.71	0.52 (0.14)	0.26-0.78	0.57 (0.13)	0.34-0.81
Dec-2020	3.93 (1.79)	0.73-7.57	3.75 (0.77)	2.2-5.18	3.45 (0.31)	2.91-4.12
Jan-2021	1.21 (0.55)	0.2-2.32	1.25 (0.34)	0.6-1.9	1.24 (0.2)	0.86-1.69
Feb-2021	1.11 (0.57)	0.11-2.21	1.25 (0.33)	0.65-1.89	1.51 (0.29)	0.96-2.1

Table 9. VE North. Density of Guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	7.14 (2.49)	2.43-12.01	6.82 (1.23)	4.51-9.38	7.69 (0.92)	5.94-9.55
Apr-2019	4.09 (1.74)	0.91-7.42	4.3 (0.77)	2.87-5.81	5.02 (0.62)	3.87-6.24
May-2019	0 (0)	0-0	0.18 (0.11)	0-0.42	0.21 (0.08)	0.08-0.37
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0.31 (0.26)	0-0.94	0.45 (0.15)	0.11-0.67	0.34 (0.1)	0.17-0.54
Aug-2019	0 (0)	0-0	0.72 (0.32)	0.13-1.38	0.42 (0.19)	0.08-0.83
Sep-2019	0 (0)	0-0	0 (0)	0-0	0.08 (0.06)	0-0.16
Oct-2019	0.11 (0.09)	0-0.32	0.22 (0.1)	0-0.45	0.44 (0.09)	0.28-0.6
Nov-2019	3.05 (1.18)	0.92-5.49	2.83 (0.66)	1.55-4.11	2.85 (0.31)	2.25-3.49
Dec-2019	1.72 (0.68)	0.43-3.15	2.42 (0.65)	1.18-3.66	2.05 (0.4)	1.29-2.83
Jan-2020	2.91 (0.94)	1.09-4.73	2.53 (0.54)	1.49-3.64	2.67 (0.35)	1.99-3.34
Feb-2020	7.93 (4.08)	1.05-16.02	8.71 (1.98)	4.61-12.37	9.48 (1.45)	6.6-12.29
Mar-2020	2.62 (1.2)	0.44-5.09	3.1 (0.52)	2-4.13	2.93 (0.4)	2.16-3.7
Apr-2020	0.8 (0.39)	0.13-1.61	0.56 (0.17)	0.22-0.89	0.94 (0.2)	0.58-1.36
May-2020	0.51 (0.41)	0-1.53	0.52 (0.26)	0.07-1.05	0.55 (0.18)	0.21-0.94
Jun-2020	0 (0)	0-0	0.17 (0.1)	0-0.4	0.1 (0.06)	0-0.23
Jul-2020	0.1 (0.08)	0-0.3	0.17 (0.08)	0-0.35	0.12 (0.05)	0.03-0.22
Aug-2020	0 (0)	0-0	0.04 (0.04)	0-0.13	0.02 (0.02)	0-0.07
Sep-2020	2.21 (1.09)	0.26-4.42	1.5 (0.46)	0.67-2.4	1.26 (0.24)	0.83-1.73
Oct-2020	0 (0)	0-0	0.52 (0.33)	0-1.21	0.35 (0.18)	0.06-0.76
Nov-2020	0.5 (0.23)	0-0.88	0.69 (0.19)	0.34-1.03	0.75 (0.17)	0.44-1.05
Dec-2020	5.14 (2.34)	0.95-9.9	4.91 (1.01)	2.89-6.79	4.5 (0.41)	3.79-5.36
Jan-2021	1.51 (0.68)	0.25-2.9	1.6 (0.43)	0.77-2.43	1.59 (0.26)	1.1-2.16
Feb-2021	1.41 (0.72)	0.14-2.82	1.59 (0.43)	0.83-2.42	1.93 (0.37)	1.22-2.68

Table 10. VE North. Density of Herring gull recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	1.05 (0.76)	0-2.52	0.45 (0.33)	0-1.17	0.26 (0.19)	0-0.67
Aug-2019	0 (0)	0-0	0.05 (0.04)	0-0.14	0.03 (0.02)	0-0.08
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0.05 (0.03)	0-0.1
Dec-2019	0 (0)	0-0	0.04 (0.04)	0-0.13	0.02 (0.02)	0-0.07
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0.1 (0.08)	0-0.3	0.04 (0.04)	0-0.13	0.02 (0.02)	0-0.07
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0.1 (0.08)	0-0.3	0.04 (0.03)	0-0.13	0.02 (0.02)	0-0.07
Oct-2020	0 (0)	0-0	0 (0)	0-0	0.02 (0.02)	0-0.05
Nov-2020	0 (0)	0-0	0 (0)	0-0	0.02 (0.02)	0-0.07
Dec-2020	0.2 (0.15)	0-0.5	0.13 (0.07)	0-0.26	0.22 (0.06)	0.1-0.32
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 11. VE North. Density of Kittiwake recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	3.15 (1.36)	0.84-5.88	2.47 (0.69)	1.21-3.82	2.75 (0.47)	1.86-3.68
Apr-2019	1.36 (0.68)	0.21-2.83	2.2 (0.39)	1.48-3	1.66 (0.26)	1.14-2.17
May-2019	0.63 (0.5)	0-1.9	0.45 (0.2)	0.14-0.9	0.6 (0.23)	0.21-1.07
Jun-2019	0.64 (0.28)	0.21-1.28	0.95 (0.41)	0.32-1.91	0.63 (0.23)	0.24-1.1
Jul-2019	0.1 (0.09)	0-0.31	0.04 (0.04)	0-0.13	0.16 (0.04)	0.08-0.26
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0.32 (0.19)	0-0.74	0.63 (0.24)	0.18-1.12	0.73 (0.26)	0.23-1.22
Oct-2019	0.11 (0.09)	0-0.32	0.09 (0.05)	0-0.18	0.08 (0.04)	0.03-0.16
Nov-2019	0.53 (0.27)	0-1.05	0.4 (0.14)	0.13-0.67	0.39 (0.08)	0.23-0.54
Dec-2019	0.61 (0.28)	0.1-1.11	0.48 (0.14)	0.22-0.73	0.52 (0.1)	0.32-0.72
Jan-2020	0.21 (0.12)	0-0.42	0.22 (0.07)	0.09-0.36	0.26 (0.06)	0.13-0.38
Feb-2020	1.1 (0.65)	0-2.41	1.29 (0.52)	0.3-2.32	0.92 (0.3)	0.37-1.54
Mar-2020	0 (0)	0-0	0.3 (0.12)	0.09-0.52	0.35 (0.1)	0.15-0.55
Apr-2020	0 (0)	0-0	0.09 (0.05)	0-0.17	0.1 (0.03)	0.05-0.17
May-2020	0 (0)	0-0	0.22 (0.09)	0.04-0.39	0.25 (0.08)	0.1-0.4
Jun-2020	0.2 (0.17)	0-0.61	0.09 (0.07)	0-0.26	0.25 (0.1)	0.07-0.47
Jul-2020	0.81 (0.56)	0-2.12	0.43 (0.23)	0.09-0.91	0.37 (0.15)	0.12-0.7
Aug-2020	0.2 (0.17)	0-0.61	0.22 (0.1)	0.04-0.43	0.35 (0.09)	0.17-0.55
Sep-2020	0.2 (0.17)	0-0.6	0.09 (0.07)	0-0.26	0.1 (0.05)	0.02-0.2
Oct-2020	0 (0)	0-0	0.13 (0.08)	0-0.3	0.15 (0.05)	0.05-0.25
Nov-2020	0.4 (0.23)	0-0.91	0.65 (0.18)	0.3-0.99	0.52 (0.12)	0.3-0.77
Dec-2020	0.3 (0.19)	0-0.71	0.56 (0.16)	0.26-0.86	0.65 (0.13)	0.42-0.89
Jan-2021	0.3 (0.18)	0-0.71	0.3 (0.11)	0.09-0.52	0.27 (0.07)	0.15-0.4
Feb-2021	0.1 (0.09)	0-0.3	0.17 (0.08)	0.04-0.34	0.22 (0.06)	0.12-0.35



Table 12. VE North. Density of Lesser black-backed gull recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.01)	0-0.05
Apr-2019	0 (0)	0-0	0 (0)	0-0	0.05 (0.02)	0-0.1
May-2019	0 (0)	0-0	0.09 (0.07)	0-0.27	0.05 (0.04)	0-0.16
Jun-2019	0.32 (0.22)	0-0.74	0.27 (0.13)	0.05-0.5	0.21 (0.08)	0.08-0.39
Jul-2019	14.27 (10.62)	0-38.62	6.1 (4.65)	0-16.73	3.75 (2.71)	0.1-9.89
Aug-2019	0 (0)	0-0	0.09 (0.06)	0-0.18	0.05 (0.04)	0-0.1
Sep-2019	0.21 (0.11)	0-0.42	0.13 (0.05)	0.04-0.22	0.1 (0.04)	0.03-0.18
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0.04 (0.03)	0-0.09	0.08 (0.05)	0-0.18
Dec-2019	0 (0)	0-0	0 (0)	0-0	0.02 (0.02)	0-0.07
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0.02 (0.02)	0-0.07
May-2020	0 (0)	0-0	0.13 (0.07)	0-0.31	0.08 (0.05)	0-0.18
Jun-2020	1.01 (0.47)	0.1-2.02	0.78 (0.21)	0.39-1.21	0.85 (0.14)	0.55-1.12
Jul-2020	0 (0)	0-0	0 (0)	0-0	0.07 (0.03)	0.02-0.12
Aug-2020	0 (0)	0-0	0.04 (0.03)	0-0.09	0.02 (0.02)	0-0.05
Sep-2020	0.1 (0.08)	0-0.3	0.09 (0.05)	0-0.17	0.05 (0.03)	0-0.1
Oct-2020	0 (0)	0-0	0.04 (0.03)	0-0.13	0.02 (0.02)	0-0.07
Nov-2020	0 (0)	0-0	0 (0)	0-0	0.07 (0.05)	0-0.17
Dec-2020	0 (0)	0-0	0.04 (0.03)	0-0.13	0.05 (0.03)	0-0.1
Jan-2021	0.1 (0.08)	0-0.3	0.09 (0.05)	0-0.17	0.05 (0.03)	0-0.1
Feb-2021	0 (0)	0-0	0 (0)	0-0	0.02 (0.02)	0-0.05

Table 13. VE North. Density of Little gull recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0.21 (0.17)	0-0.42	0.09 (0.07)	0-0.27	0.05 (0.04)	0-0.16
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	0 (0)	0-0	0.05 (0.03)	0-0.1
Nov-2019	0.11 (0.09)	0-0.32	0.04 (0.04)	0-0.13	0.05 (0.03)	0-0.1
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0.02 (0.02)	0-0.05
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0.02 (0.02)	0-0.05
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0.04 (0.04)	0-0.13	0.02 (0.02)	0-0.07

Table 14. VE North. Density of Puffin recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.01)	0-0.05
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 15. VE North. Density of Puffin (including unidentified auks apportioned using identified auk ratios) recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.01)	0-0.05
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 16. VE North. Density of Puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.01)	0-0.05
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 17. VE North. Density of Razorbill recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	3.99 (1.49)	1.16-6.93	3.5 (0.66)	2.24-4.8	3.29 (0.32)	2.64-3.89
Apr-2019	0.31 (0.16)	0-0.63	0.49 (0.16)	0.18-0.81	0.49 (0.16)	0.21-0.83
May-2019	0.21 (0.17)	0-0.63	0.09 (0.08)	0-0.27	0.05 (0.04)	0-0.16
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0.21 (0.18)	0-0.63	0.09 (0.07)	0-0.27	0.05 (0.04)	0-0.16
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0.21 (0.12)	0-0.42	0.09 (0.05)	0-0.18	0.26 (0.1)	0.05-0.47
Nov-2019	1.37 (0.74)	0-2.95	0.99 (0.31)	0.4-1.57	0.8 (0.19)	0.47-1.17
Dec-2019	2.73 (1.2)	0.3-5.06	3.76 (0.85)	2.2-5.49	4.14 (0.85)	2.72-6.01
Jan-2020	0.31 (0.12)	0.1-0.52	0.98 (0.33)	0.4-1.64	1.08 (0.23)	0.62-1.51
Feb-2020	2.41 (1.21)	0.3-4.92	1.37 (0.51)	0.43-2.45	1.56 (0.21)	1.14-1.93
Mar-2020	0.7 (0.4)	0-1.51	1.59 (0.35)	0.95-2.28	1.51 (0.23)	1.07-1.94
Apr-2020	0 (0)	0-0	0.13 (0.11)	0-0.39	0.2 (0.09)	0.05-0.37
May-2020	0.1 (0.09)	0-0.31	0.17 (0.09)	0-0.35	0.13 (0.05)	0.03-0.23
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	1.51 (0.83)	0-3.23	1.34 (0.53)	0.34-2.41	0.97 (0.32)	0.37-1.59
Nov-2020	0.1 (0.09)	0-0.3	0.3 (0.21)	0-0.78	0.35 (0.21)	0.02-0.8
Dec-2020	2.82 (1.45)	0-5.64	2.93 (0.61)	1.77-4.05	2.66 (0.3)	2.06-3.23
Jan-2021	1.01 (0.38)	0.3-1.82	0.65 (0.21)	0.26-1.08	0.62 (0.12)	0.37-0.85
Feb-2021	0.91 (0.65)	0-2.41	0.9 (0.27)	0.39-1.42	0.92 (0.22)	0.52-1.36

Table 18. VE North. Density of Razorbill (including unidentified auks apportioned using identified auk ratios) recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	4.1 (1.53)	1.19-7.12	3.59 (0.68)	2.3-4.93	3.39 (0.33)	2.73-4.01
Apr-2019	0.31 (0.16)	0-0.63	0.54 (0.18)	0.2-0.88	0.54 (0.17)	0.23-0.91
May-2019	0.21 (0.17)	0-0.63	0.09 (0.08)	0-0.27	0.05 (0.04)	0-0.16
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0.32 (0.26)	0-0.95	0.09 (0.07)	0-0.27	0.05 (0.04)	0-0.16
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0.32 (0.18)	0-0.63	0.09 (0.05)	0-0.18	0.28 (0.11)	0.06-0.51
Nov-2019	1.47 (0.8)	0-3.18	1.08 (0.34)	0.44-1.72	0.91 (0.21)	0.53-1.32
Dec-2019	3.03 (1.33)	0.34-5.62	4.19 (0.94)	2.46-6.12	4.51 (0.92)	2.96-6.55
Jan-2020	0.42 (0.16)	0.14-0.69	1.11 (0.37)	0.45-1.87	1.26 (0.27)	0.72-1.76
Feb-2020	2.71 (1.36)	0.34-5.54	1.5 (0.56)	0.47-2.68	1.71 (0.23)	1.25-2.12
Mar-2020	0.81 (0.46)	0-1.73	1.72 (0.38)	1.02-2.47	1.61 (0.24)	1.14-2.06
Apr-2020	0 (0)	0-0	0.13 (0.11)	0-0.39	0.2 (0.09)	0.05-0.37
May-2020	0.1 (0.09)	0-0.31	0.17 (0.09)	0-0.35	0.18 (0.07)	0.04-0.32
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	1.51 (0.83)	0-3.23	1.34 (0.53)	0.34-2.41	0.97 (0.32)	0.37-1.59
Nov-2020	0.1 (0.09)	0-0.3	0.34 (0.24)	0-0.89	0.47 (0.28)	0.03-1.08
Dec-2020	4.13 (2.12)	0-8.26	3.75 (0.78)	2.26-5.18	3.23 (0.37)	2.5-3.92
Jan-2021	1.01 (0.38)	0.3-1.82	0.73 (0.24)	0.29-1.22	0.67 (0.13)	0.4-0.91
Feb-2021	1.01 (0.72)	0-2.68	1.03 (0.31)	0.44-1.62	1.12 (0.27)	0.63-1.66

Table 19. VE North. Density of Razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	4.94 (1.85)	1.43-8.58	4.36 (0.82)	2.79-5.97	4.12 (0.4)	3.31-4.87
Apr-2019	0.42 (0.21)	0-0.84	0.67 (0.22)	0.24-1.1	0.65 (0.2)	0.27-1.09
May-2019	0.21 (0.17)	0-0.63	0.09 (0.08)	0-0.27	0.05 (0.04)	0-0.16
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0.42 (0.35)	0-1.27	0.09 (0.07)	0-0.27	0.05 (0.04)	0-0.16
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0.42 (0.24)	0-0.84	0.09 (0.05)	0-0.18	0.34 (0.14)	0.07-0.61
Nov-2019	1.79 (0.97)	0-3.86	1.3 (0.41)	0.53-2.08	1.09 (0.25)	0.63-1.58
Dec-2019	3.64 (1.6)	0.4-6.74	5.06 (1.14)	2.97-7.38	5.46 (1.12)	3.59-7.93
Jan-2020	0.52 (0.2)	0.17-0.87	1.24 (0.42)	0.51-2.09	1.38 (0.3)	0.79-1.94
Feb-2020	3.21 (1.61)	0.4-6.56	1.8 (0.67)	0.56-3.21	2.03 (0.28)	1.48-2.51
Mar-2020	1.01 (0.58)	0-2.16	2.07 (0.46)	1.23-2.96	1.96 (0.29)	1.38-2.51
Apr-2020	0 (0)	0-0	0.17 (0.14)	0-0.51	0.25 (0.11)	0.06-0.46
May-2020	0.1 (0.09)	0-0.31	0.22 (0.11)	0-0.44	0.2 (0.08)	0.04-0.36
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	1.71 (0.94)	0-3.66	1.46 (0.58)	0.38-2.65	1.04 (0.35)	0.4-1.71
Nov-2020	0.1 (0.09)	0-0.3	0.43 (0.3)	0-1.11	0.57 (0.34)	0.04-1.31
Dec-2020	5.04 (2.59)	0-10.07	4.52 (0.94)	2.73-6.25	3.9 (0.44)	3.03-4.74
Jan-2021	1.11 (0.42)	0.33-2	0.82 (0.27)	0.33-1.37	0.77 (0.15)	0.46-1.05
Feb-2021	1.21 (0.87)	0-3.22	1.25 (0.37)	0.53-1.96	1.34 (0.32)	0.76-1.99



Table 20. VE North. Density of Red-throated diver recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0.04 (0.04)	0-0.13	0.03 (0.02)	0-0.08
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2019	0 (0)	0-0	0.04 (0.03)	0-0.09	0.02 (0.02)	0-0.05
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0.07 (0.03)	0.02-0.15
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0.09 (0.06)	0-0.17	0.05 (0.04)	0-0.1
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0.02 (0.02)	0-0.05
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0.02 (0.02)	0-0.07
Jan-2021	0.1 (0.08)	0-0.3	0.09 (0.04)	0-0.17	0.05 (0.02)	0-0.1
Feb-2021	0 (0)	0-0	0 (0)	0-0	0.05 (0.04)	0-0.12

Table 21. VE North. Density of Sandwich tern recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.05
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 22. VE South. Density of Arctic skua recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.06
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0.05 (0.04)	0-0.1	0.03 (0.02)	0-0.06
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 23. VE South. Density of Black-headed gull recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0.14 (0.08)	0-0.3
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0.11 (0.09)	0-0.34	0.05 (0.04)	0-0.15	0.06 (0.03)	0-0.11
Nov-2019	0.12 (0.09)	0-0.35	0.1 (0.06)	0-0.2	0.06 (0.03)	0-0.11
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0.22 (0.12)	0-0.44	0.09 (0.05)	0-0.19	0.13 (0.06)	0.03-0.27
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0.09 (0.08)	0-0.28	0.05 (0.04)	0-0.13
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 24. VE South. Density of Common gull recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0.05 (0.04)	0-0.15	0.03 (0.02)	0-0.08
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0.05 (0.04)	0-0.1	0.03 (0.02)	0-0.05
Feb-2020	0 (0)	0-0	0 (0)	0-0	0.11 (0.08)	0-0.32
Mar-2020	0.33 (0.17)	0-0.66	0.23 (0.09)	0.09-0.42	0.13 (0.06)	0.03-0.24
Apr-2020	0 (0)	0-0	0.19 (0.06)	0.05-0.33	0.24 (0.05)	0.13-0.35
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0.11 (0.09)	0-0.33	0.05 (0.04)	0-0.14	0.03 (0.02)	0-0.08

Table 25. VE South. Density of Common tern recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0.05 (0.04)	0-0.13
Jul-2020	0 (0)	0-0	0.05 (0.04)	0-0.14	0.03 (0.02)	0-0.08
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0.11 (0.06)	0-0.21
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 26. VE South. Density of Cormorant recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0.7 (0.55)	0-1.39	0.3 (0.25)	0-0.89	0.17 (0.14)	0-0.51
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 27. VE South. Density of Fulmar recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0.79 (0.28)	0.23-1.36	0.43 (0.15)	0.14-0.72	0.41 (0.11)	0.19-0.64
Apr-2019	0.11 (0.09)	0-0.34	0.1 (0.05)	0-0.2	0.06 (0.03)	0-0.11
May-2019	0.34 (0.16)	0.11-0.69	0.2 (0.09)	0.05-0.39	0.17 (0.05)	0.08-0.25
Jun-2019	0.46 (0.28)	0-1.04	0.49 (0.21)	0.1-0.89	0.4 (0.16)	0.08-0.71
Jul-2019	0.11 (0.09)	0-0.23	0.05 (0.04)	0-0.15	0.03 (0.02)	0-0.08
Aug-2019	0.57 (0.44)	0-1.6	1.02 (0.6)	0.1-2.29	1.03 (0.41)	0.31-1.87
Sep-2019	0.12 (0.09)	0-0.23	0.25 (0.16)	0-0.59	0.93 (0.34)	0.25-1.64
Oct-2019	0 (0)	0-0	0.05 (0.04)	0-0.1	0.03 (0.02)	0-0.06
Nov-2019	0 (0)	0-0	0.05 (0.04)	0-0.1	0.03 (0.02)	0-0.06
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0.05 (0.04)	0-0.14	0.05 (0.03)	0-0.11
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0.11 (0.09)	0-0.33	0.05 (0.04)	0-0.09	0.13 (0.06)	0.03-0.24
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0.14 (0.07)	0-0.28	0.3 (0.15)	0.03-0.59
Aug-2020	0 (0)	0-0	0.05 (0.04)	0-0.14	0.03 (0.02)	0-0.08
Sep-2020	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.05



Table 28. VE South. Density of Gannet recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0.23 (0.13)	0-0.45	0.24 (0.08)	0.1-0.39	1.27 (0.75)	0.14-2.54
Apr-2019	0.23 (0.13)	0-0.46	0.2 (0.08)	0.05-0.34	0.28 (0.08)	0.11-0.45
May-2019	0 (0)	0-0	0.05 (0.04)	0-0.15	0.03 (0.02)	0-0.06
Jun-2019	2.78 (2.08)	0-7.64	1.68 (0.98)	0.15-3.6	1.27 (0.6)	0.31-2.48
Jul-2019	0.23 (0.13)	0-0.46	0.19 (0.08)	0.05-0.34	0.17 (0.05)	0.08-0.28
Aug-2019	0.11 (0.09)	0-0.34	0.78 (0.32)	0.24-1.46	0.95 (0.31)	0.42-1.59
Sep-2019	0.58 (0.25)	0.12-1.16	0.3 (0.14)	0.05-0.54	0.28 (0.08)	0.14-0.45
Oct-2019	0.11 (0.1)	0-0.34	0.24 (0.1)	0.1-0.44	0.25 (0.07)	0.11-0.39
Nov-2019	4.27 (1.62)	1.39-7.62	3.05 (0.77)	1.52-4.48	2.7 (0.36)	2-3.43
Dec-2019	0 (0)	0-0	0.05 (0.04)	0-0.14	0.05 (0.03)	0-0.11
Jan-2020	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.05
Feb-2020	0.11 (0.09)	0-0.33	0.42 (0.19)	0.09-0.79	1.14 (0.41)	0.43-1.94
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0.11 (0.09)	0-0.33	0.05 (0.04)	0-0.14	0.03 (0.02)	0-0.08
May-2020	0.11 (0.08)	0-0.33	0.05 (0.04)	0-0.09	0.03 (0.02)	0-0.05
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0.05 (0.04)	0-0.09	0.03 (0.02)	0-0.05
Sep-2020	0.44 (0.2)	0.11-0.88	0.61 (0.22)	0.23-1.08	0.46 (0.14)	0.21-0.72
Oct-2020	0.44 (0.27)	0-0.99	0.61 (0.25)	0.14-1.08	0.46 (0.16)	0.19-0.81
Nov-2020	0.33 (0.13)	0.11-0.55	0.38 (0.11)	0.19-0.56	0.35 (0.07)	0.21-0.48
Dec-2020	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Jan-2021	0 (0)	0-0	0 (0)	0-0	0.08 (0.03)	0.03-0.13
Feb-2021	0.22 (0.17)	0-0.55	0.14 (0.1)	0-0.33	0.11 (0.06)	0-0.21

Table 29. VE South. Density of Great black-backed gull recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0.06 (0.04)	0-0.11
Apr-2019	0 (0)	0-0	0.15 (0.08)	0-0.29	0.17 (0.06)	0.03-0.31
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0.05 (0.04)	0-0.15	0.03 (0.02)	0-0.08
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0.1 (0.07)	0-0.19	0.11 (0.04)	0.03-0.2
Sep-2019	0.35 (0.29)	0-1.04	0.39 (0.18)	0.1-0.74	0.85 (0.34)	0.2-1.5
Oct-2019	0 (0)	0-0	0.1 (0.04)	0-0.15	0.17 (0.05)	0.08-0.28
Nov-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0.11 (0.09)	0-0.34	0.1 (0.05)	0-0.19	0.11 (0.04)	0.05-0.19
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.05
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0.23 (0.13)	0.05-0.52	0.13 (0.07)	0.03-0.27
Oct-2020	0 (0)	0-0	0.05 (0.04)	0-0.14	0.11 (0.04)	0.05-0.19
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0.19 (0.12)	0-0.47	0.21 (0.08)	0.08-0.38
Jan-2021	0.11 (0.09)	0-0.33	0.23 (0.11)	0-0.42	0.32 (0.14)	0.08-0.62
Feb-2021	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.05

Table 30. VE South. Density of Great skua recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0.11 (0.09)	0-0.34	0.1 (0.06)	0-0.19	0.11 (0.04)	0.03-0.2
Sep-2019	0 (0)	0-0	0.05 (0.04)	0-0.15	0.06 (0.03)	0-0.11
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.05
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 31. VE South. Density of Guillemot recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	3.06 (1.12)	1.13-5.33	3.53 (0.66)	2.17-4.83	4.86 (1.06)	3.01-6.83
Apr-2019	2.41 (0.83)	0.92-4.25	1.76 (0.38)	1.03-2.49	1.96 (0.24)	1.54-2.43
May-2019	0.11 (0.09)	0-0.34	0.2 (0.09)	0.05-0.39	0.17 (0.06)	0.06-0.28
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0.05 (0.04)	0-0.1	0.03 (0.02)	0-0.08
Sep-2019	0 (0)	0-0	0.05 (0.04)	0-0.1	0.06 (0.03)	0-0.11
Oct-2019	0.8 (0.36)	0.23-1.49	0.59 (0.26)	0.15-1.12	0.39 (0.15)	0.14-0.7
Nov-2019	4.51 (1.94)	1.16-8.44	2.71 (0.87)	1.08-4.43	2.56 (0.48)	1.74-3.55
Dec-2019	2.87 (0.99)	1.1-4.97	2.59 (0.5)	1.55-3.53	2.21 (0.27)	1.7-2.75
Jan-2020	2.93 (1.16)	0.79-5.29	2.21 (0.56)	1.15-3.26	2.28 (0.29)	1.7-2.88
Feb-2020	30.9 (8.41)	14.41-47.06	27.02 (4.31)	18.69-35.48	22.98 (1.96)	19.04-26.86
Mar-2020	1.43 (0.68)	0.22-2.86	0.8 (0.29)	0.28-1.36	0.75 (0.17)	0.43-1.07
Apr-2020	1.32 (0.58)	0.33-2.53	1.36 (0.31)	0.75-1.97	1.18 (0.19)	0.8-1.53
May-2020	0.88 (0.48)	0.11-1.88	0.94 (0.33)	0.33-1.55	0.84 (0.21)	0.43-1.24
Jun-2020	0.22 (0.17)	0-0.66	0.09 (0.07)	0-0.28	0.11 (0.06)	0-0.21
Jul-2020	0 (0)	0-0	0.14 (0.06)	0.05-0.28	0.11 (0.04)	0.03-0.19
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0.22 (0.13)	0-0.44	0.19 (0.08)	0.05-0.37	0.16 (0.06)	0.05-0.29
Oct-2020	0 (0)	0-0	0.09 (0.08)	0-0.28	0.21 (0.1)	0.03-0.43
Nov-2020	0.22 (0.12)	0-0.44	0.33 (0.1)	0.14-0.52	0.32 (0.08)	0.16-0.48
Dec-2020	0.77 (0.32)	0.22-1.43	1.36 (0.26)	0.84-1.88	1.42 (0.18)	1.07-1.8
Jan-2021	1.76 (0.79)	0.33-3.3	1.64 (0.41)	0.89-2.44	1.72 (0.27)	1.18-2.23
Feb-2021	1.54 (0.73)	0.22-2.97	1.13 (0.33)	0.47-1.78	0.91 (0.19)	0.54-1.29

Table 32. VE South. Density of Guillemot (including unidentified auks apportioned using identified auk ratios) recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	3.29 (1.21)	1.22-5.73	3.72 (0.7)	2.29-5.1	5.06 (1.11)	3.13-7.1
Apr-2019	2.41 (0.83)	0.92-4.25	1.81 (0.39)	1.06-2.56	1.99 (0.24)	1.56-2.47
May-2019	0.11 (0.09)	0-0.34	0.2 (0.09)	0.05-0.39	0.17 (0.06)	0.06-0.28
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0.1 (0.08)	0-0.19	0.06 (0.04)	0-0.17
Sep-2019	0 (0)	0-0	0.1 (0.08)	0-0.2	0.11 (0.06)	0-0.23
Oct-2019	0.92 (0.41)	0.26-1.7	0.59 (0.26)	0.15-1.12	0.45 (0.17)	0.16-0.8
Nov-2019	5.08 (2.19)	1.3-9.52	3.1 (0.99)	1.24-5.08	2.87 (0.54)	1.96-3.98
Dec-2019	3.09 (1.06)	1.19-5.35	2.92 (0.56)	1.75-3.98	2.48 (0.3)	1.9-3.08
Jan-2020	3.38 (1.34)	0.91-6.11	2.4 (0.61)	1.25-3.55	2.47 (0.32)	1.84-3.12
Feb-2020	33.52 (9.12)	15.63-51.05	29.44 (4.69)	20.37-38.66	25.16 (2.15)	20.85-29.41
Mar-2020	1.54 (0.73)	0.23-3.07	0.8 (0.29)	0.28-1.36	0.8 (0.18)	0.46-1.15
Apr-2020	1.32 (0.58)	0.33-2.53	1.36 (0.31)	0.75-1.97	1.21 (0.2)	0.82-1.56
May-2020	1 (0.54)	0.12-2.12	1.08 (0.38)	0.38-1.79	0.92 (0.23)	0.47-1.36
Jun-2020	0.22 (0.17)	0-0.66	0.19 (0.15)	0-0.56	0.32 (0.17)	0-0.64
Jul-2020	0 (0)	0-0	0.14 (0.06)	0.05-0.28	0.11 (0.04)	0.03-0.19
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0.22 (0.13)	0-0.44	0.37 (0.17)	0.09-0.75	0.32 (0.12)	0.11-0.59
Oct-2020	0 (0)	0-0	0.09 (0.08)	0-0.28	0.21 (0.1)	0.03-0.43
Nov-2020	0.22 (0.12)	0-0.44	0.33 (0.1)	0.14-0.52	0.35 (0.08)	0.17-0.52
Dec-2020	0.99 (0.41)	0.28-1.84	1.64 (0.31)	1.02-2.26	1.82 (0.23)	1.38-2.31
Jan-2021	2.09 (0.94)	0.39-3.92	1.92 (0.47)	1.04-2.86	1.9 (0.3)	1.31-2.47
Feb-2021	2.09 (0.99)	0.3-4.03	1.45 (0.43)	0.61-2.3	1.15 (0.24)	0.68-1.63

Table 33. VE South. Density of Guillemot (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	4.31 (1.58)	1.59-7.5	4.88 (0.92)	3.01-6.69	6.61 (1.44)	4.09-9.27
Apr-2019	3.21 (1.11)	1.22-5.66	2.4 (0.52)	1.4-3.39	2.6 (0.32)	2.04-3.23
May-2019	0.11 (0.09)	0-0.34	0.24 (0.12)	0.06-0.49	0.22 (0.08)	0.07-0.37
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0.15 (0.12)	0-0.29	0.08 (0.07)	0-0.25
Sep-2019	0 (0)	0-0	0.15 (0.11)	0-0.3	0.14 (0.07)	0-0.28
Oct-2019	1.15 (0.52)	0.33-2.13	0.78 (0.34)	0.2-1.5	0.59 (0.22)	0.21-1.05
Nov-2019	6.7 (2.88)	1.72-12.55	4.04 (1.29)	1.61-6.61	3.74 (0.7)	2.55-5.18
Dec-2019	3.87 (1.33)	1.49-6.69	3.72 (0.72)	2.23-5.07	3.2 (0.39)	2.46-3.98
Jan-2020	4.39 (1.74)	1.18-7.94	3.12 (0.79)	1.63-4.61	3.15 (0.41)	2.36-3.99
Feb-2020	43.56 (11.85)	20.32-66.35	38.41 (6.12)	26.58-50.45	32.85 (2.81)	27.22-38.4
Mar-2020	1.98 (0.94)	0.3-3.95	1.03 (0.38)	0.36-1.76	1.04 (0.23)	0.6-1.49
Apr-2020	1.65 (0.73)	0.41-3.16	1.73 (0.4)	0.96-2.51	1.55 (0.25)	1.06-2.01
May-2020	1.33 (0.72)	0.16-2.82	1.41 (0.49)	0.49-2.33	1.21 (0.3)	0.63-1.8
Jun-2020	0.33 (0.26)	0-0.99	0.23 (0.19)	0-0.7	0.43 (0.22)	0-0.86
Jul-2020	0 (0)	0-0	0.19 (0.08)	0.06-0.38	0.13 (0.05)	0.03-0.23
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0.33 (0.19)	0-0.66	0.47 (0.21)	0.12-0.94	0.43 (0.16)	0.14-0.79
Oct-2020	0 (0)	0-0	0.09 (0.08)	0-0.28	0.27 (0.13)	0.03-0.54
Nov-2020	0.33 (0.18)	0-0.66	0.42 (0.13)	0.18-0.66	0.46 (0.11)	0.23-0.69
Dec-2020	1.21 (0.5)	0.35-2.25	2.11 (0.4)	1.31-2.91	2.36 (0.3)	1.78-2.98
Jan-2021	2.75 (1.24)	0.52-5.16	2.53 (0.63)	1.37-3.76	2.47 (0.39)	1.7-3.2
Feb-2021	2.64 (1.25)	0.38-5.1	1.88 (0.56)	0.78-2.97	1.5 (0.31)	0.88-2.12

Table 34. VE South. Density of Herring gull recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0.64 (0.48)	0-1.78	0.37 (0.26)	0-0.99
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0.23 (0.19)	0-0.69	0.19 (0.09)	0.05-0.39	0.14 (0.05)	0.06-0.25
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0.11 (0.09)	0-0.34	0.05 (0.04)	0-0.15	0.03 (0.02)	0-0.06
Nov-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0.05 (0.04)	0-0.1	0.05 (0.03)	0-0.11
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0.05 (0.04)	0-0.11
May-2020	0 (0)	0-0	0 (0)	0-0	0.03 (0)	0.03-0.03
Jun-2020	0 (0)	0-0	0.05 (0.03)	0-0.09	0.03 (0.02)	0-0.05
Jul-2020	0 (0)	0-0	0.09 (0.05)	0-0.19	0.08 (0.03)	0.03-0.13
Aug-2020	0 (0)	0-0	0.05 (0.03)	0-0.09	0.03 (0.02)	0-0.08
Sep-2020	0 (0)	0-0	0.19 (0.1)	0-0.37	0.13 (0.07)	0-0.27
Oct-2020	0 (0)	0-0	0 (0)	0-0	0.03 (0)	0.03-0.03
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0.05 (0.04)	0-0.09	0.08 (0.05)	0-0.19
Feb-2021	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.05

Table 35. VE South. Density of Kittiwake recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	2.5 (0.88)	0.91-4.31	3.14 (0.69)	1.79-4.4	3.87 (1)	2.02-5.72
Apr-2019	0.34 (0.16)	0-0.69	0.64 (0.18)	0.29-0.98	0.45 (0.11)	0.22-0.67
May-2019	0.11 (0.09)	0-0.34	0.64 (0.24)	0.19-1.08	0.76 (0.22)	0.34-1.2
Jun-2019	0.23 (0.13)	0-0.46	0.35 (0.12)	0.1-0.59	0.28 (0.08)	0.14-0.42
Jul-2019	0 (0)	0-0	0.05 (0.04)	0-0.15	0.03 (0.02)	0-0.06
Aug-2019	0.11 (0.09)	0-0.34	0.19 (0.07)	0.05-0.34	0.31 (0.09)	0.14-0.47
Sep-2019	0 (0)	0-0	0.05 (0.04)	0-0.1	0.08 (0.04)	0.03-0.17
Oct-2019	0.11 (0.09)	0-0.34	0.05 (0.04)	0-0.15	0.11 (0.05)	0.03-0.2
Nov-2019	0.92 (0.33)	0.35-1.62	1.18 (0.21)	0.79-1.57	1.72 (0.38)	1.04-2.53
Dec-2019	1.66 (0.65)	0.55-2.98	1.51 (0.42)	0.75-2.31	1.48 (0.25)	1.02-1.99
Jan-2020	0.34 (0.16)	0.11-0.68	0.53 (0.15)	0.24-0.82	0.63 (0.1)	0.41-0.82
Feb-2020	0.87 (0.32)	0.33-1.53	0.74 (0.16)	0.42-1.07	0.93 (0.16)	0.64-1.28
Mar-2020	0.88 (0.4)	0.11-1.65	0.51 (0.19)	0.19-0.89	0.37 (0.12)	0.16-0.62
Apr-2020	0 (0)	0-0	0.05 (0.04)	0-0.14	0.08 (0.03)	0.03-0.13
May-2020	0.44 (0.18)	0.11-0.77	0.38 (0.11)	0.14-0.61	0.43 (0.1)	0.24-0.62
Jun-2020	0.11 (0.09)	0-0.33	0.05 (0.04)	0-0.14	0.05 (0.03)	0-0.11
Jul-2020	0.11 (0.09)	0-0.33	0.14 (0.07)	0-0.28	0.24 (0.1)	0.05-0.46
Aug-2020	0 (0)	0-0	0.14 (0.08)	0-0.28	0.16 (0.06)	0.05-0.27
Sep-2020	0 (0)	0-0	0 (0)	0-0	0.05 (0.03)	0-0.11
Oct-2020	0 (0)	0-0	0.33 (0.28)	0-0.99	0.21 (0.16)	0-0.59
Nov-2020	0.55 (0.29)	0-1.1	0.33 (0.13)	0.09-0.61	0.4 (0.1)	0.21-0.59
Dec-2020	0.22 (0.12)	0-0.44	0.42 (0.19)	0.09-0.8	0.4 (0.12)	0.21-0.67
Jan-2021	0.11 (0.09)	0-0.33	0.89 (0.26)	0.42-1.41	0.91 (0.18)	0.59-1.29
Feb-2021	0.55 (0.23)	0.11-0.99	0.28 (0.11)	0.09-0.52	0.27 (0.06)	0.16-0.4



Table 36. VE South. Density of Lesser black-backed gull recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0.11 (0.09)	0-0.34	1.08 (0.38)	0.34-1.86	0.78 (0.19)	0.45-1.17
May-2019	0.11 (0.09)	0-0.34	0.1 (0.05)	0-0.2	0.06 (0.03)	0-0.11
Jun-2019	1.16 (0.84)	0-3.13	10.95 (8.42)	0.1-30.83	6.52 (4.76)	0.34-17.69
Jul-2019	0 (0)	0-0	0.15 (0.07)	0-0.29	0.11 (0.05)	0.03-0.19
Aug-2019	3.55 (2.04)	0-8.12	3.56 (1.21)	1.32-6	2.48 (0.66)	1.37-3.85
Sep-2019	0.35 (0.21)	0-0.81	0.39 (0.15)	0.1-0.69	0.48 (0.14)	0.2-0.73
Oct-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.06
Nov-2019	0 (0)	0-0	0.1 (0.08)	0-0.2	0.06 (0.04)	0-0.11
Dec-2019	0.11 (0.09)	0-0.33	0.09 (0.06)	0-0.19	0.05 (0.03)	0-0.11
Jan-2020	0 (0)	0-0	0.1 (0.08)	0-0.29	0.05 (0.05)	0-0.16
Feb-2020	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Mar-2020	0.11 (0.09)	0-0.33	0.05 (0.04)	0-0.09	0.03 (0.02)	0-0.05
Apr-2020	0 (0)	0-0	0.05 (0.04)	0-0.14	0.29 (0.18)	0.03-0.59
May-2020	0.11 (0.09)	0-0.33	0.09 (0.05)	0-0.19	0.08 (0.03)	0.03-0.13
Jun-2020	0.11 (0.09)	0-0.33	0.52 (0.12)	0.28-0.75	3.05 (2.16)	0.27-8.2
Jul-2020	0 (0)	0-0	0.33 (0.16)	0.09-0.7	0.4 (0.13)	0.16-0.64
Aug-2020	0.11 (0.09)	0-0.33	0.09 (0.06)	0-0.19	0.08 (0.04)	0.03-0.16
Sep-2020	0 (0)	0-0	0.75 (0.48)	0.09-1.5	1.1 (0.43)	0.29-1.98
Oct-2020	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Nov-2020	0.11 (0.09)	0-0.33	0.05 (0.04)	0-0.14	0.05 (0.03)	0-0.11
Dec-2020	0.11 (0.09)	0-0.33	0.05 (0.04)	0-0.14	0.05 (0.03)	0-0.11
Jan-2021	0 (0)	0-0	0.05 (0.04)	0-0.14	0.13 (0.05)	0.05-0.24
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 37. VE South. Density of Little gull recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	0.05 (0.03)	0-0.1	0.06 (0.03)	0-0.11
Nov-2019	0 (0)	0-0	0.1 (0.06)	0-0.2	0.06 (0.03)	0-0.11
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.05
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 38. VE South. Density of Puffin recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 39. VE South. Density of Puffin (including unidentified auks apportioned using identified auk ratios) recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 40. VE South. Density of Puffin (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 41. VE South. Density of Razorbill recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	2.95 (1.05)	1.02-4.99	2.03 (0.48)	1.11-2.95	3.04 (0.98)	1.38-4.78
Apr-2019	0.23 (0.18)	0-0.69	0.24 (0.12)	0-0.49	0.2 (0.08)	0.06-0.36
May-2019	0.23 (0.19)	0-0.69	0.2 (0.08)	0-0.29	0.17 (0.07)	0.06-0.28
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	1.03 (0.48)	0.15-2.05	1.01 (0.31)	0.45-1.62
Nov-2019	1.62 (0.85)	0-3.23	2.21 (0.85)	0.79-3.84	1.52 (0.5)	0.65-2.51
Dec-2019	1.33 (0.55)	0.33-2.32	1.84 (0.5)	0.94-2.87	2.4 (0.36)	1.72-3.12
Jan-2020	0.34 (0.21)	0-0.79	0.96 (0.35)	0.29-1.63	0.8 (0.2)	0.41-1.18
Feb-2020	3.49 (1.48)	0.98-6.66	3.21 (0.69)	2-4.56	3.86 (0.67)	2.61-5.13
Mar-2020	1.32 (0.65)	0.22-2.64	0.84 (0.36)	0.23-1.59	0.83 (0.19)	0.48-1.2
Apr-2020	0 (0)	0-0	0.05 (0.04)	0-0.14	0.08 (0.05)	0-0.16
May-2020	0.22 (0.18)	0-0.66	0.09 (0.08)	0-0.28	0.08 (0.05)	0-0.19
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0.44 (0.27)	0-0.99	0.8 (0.35)	0.19-1.55	0.59 (0.2)	0.24-1.02
Nov-2020	1.32 (0.79)	0.22-3.09	0.85 (0.37)	0.19-1.6	0.81 (0.21)	0.4-1.21
Dec-2020	0.33 (0.21)	0-0.77	0.89 (0.29)	0.38-1.5	1.29 (0.32)	0.67-1.96
Jan-2021	0.33 (0.28)	0-0.99	0.7 (0.23)	0.28-1.13	0.97 (0.22)	0.54-1.39
Feb-2021	0.99 (0.53)	0.11-2.09	0.75 (0.24)	0.28-1.22	0.75 (0.15)	0.48-1.05

Table 42. VE South. Density of Razorbill (including unidentified auks apportioned using identified auk ratios) recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	3.06 (1.09)	1.06-5.18	2.08 (0.49)	1.14-3.02	3.15 (1.02)	1.43-4.96
Apr-2019	0.23 (0.18)	0-0.69	0.24 (0.12)	0-0.49	0.2 (0.08)	0.06-0.36
May-2019	0.23 (0.19)	0-0.69	0.2 (0.08)	0-0.29	0.17 (0.07)	0.06-0.28
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	1.07 (0.51)	0.15-2.15	1.14 (0.35)	0.51-1.84
Nov-2019	1.85 (0.98)	0-3.7	2.51 (0.96)	0.89-4.35	1.69 (0.55)	0.72-2.78
Dec-2019	1.44 (0.59)	0.36-2.51	2.07 (0.56)	1.06-3.24	2.69 (0.41)	1.94-3.51
Jan-2020	0.34 (0.21)	0-0.79	1.06 (0.38)	0.32-1.79	0.85 (0.22)	0.44-1.26
Feb-2020	3.82 (1.62)	1.07-7.29	3.49 (0.75)	2.17-4.95	4.23 (0.73)	2.86-5.63
Mar-2020	1.32 (0.65)	0.22-2.64	0.89 (0.38)	0.25-1.68	0.91 (0.2)	0.53-1.32
Apr-2020	0 (0)	0-0	0.05 (0.04)	0-0.14	0.08 (0.05)	0-0.16
May-2020	0.22 (0.18)	0-0.66	0.09 (0.08)	0-0.28	0.08 (0.05)	0-0.19
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0.44 (0.27)	0-0.99	0.8 (0.35)	0.19-1.55	0.59 (0.2)	0.24-1.02
Nov-2020	1.43 (0.86)	0.24-3.35	0.89 (0.39)	0.2-1.69	0.91 (0.24)	0.46-1.37
Dec-2020	0.33 (0.21)	0-0.77	1.13 (0.37)	0.47-1.9	1.64 (0.41)	0.85-2.49
Jan-2021	0.33 (0.28)	0-0.99	0.8 (0.26)	0.32-1.28	1.05 (0.24)	0.58-1.51
Feb-2021	1.32 (0.71)	0.15-2.79	0.94 (0.3)	0.35-1.52	0.94 (0.19)	0.6-1.31

Table 43. VE South. Density of Razorbill (including unidentified auks apportioned using identified auk ratios and accounting for availability bias) recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	3.63 (1.29)	1.26-6.14	2.46 (0.59)	1.35-3.58	3.79 (1.22)	1.72-5.96
Apr-2019	0.23 (0.18)	0-0.69	0.29 (0.14)	0-0.59	0.22 (0.09)	0.06-0.42
May-2019	0.23 (0.19)	0-0.69	0.24 (0.11)	0-0.37	0.2 (0.08)	0.07-0.33
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	1.32 (0.62)	0.19-2.64	1.4 (0.43)	0.62-2.25
Nov-2019	2.19 (1.16)	0-4.39	3.05 (1.17)	1.08-5.29	2.05 (0.67)	0.88-3.39
Dec-2019	1.77 (0.73)	0.44-3.09	2.49 (0.67)	1.28-3.9	3.26 (0.49)	2.34-4.25
Jan-2020	0.45 (0.28)	0-1.05	1.25 (0.45)	0.37-2.12	1.02 (0.26)	0.53-1.51
Feb-2020	4.48 (1.89)	1.26-8.54	4.19 (0.9)	2.61-5.94	5.03 (0.87)	3.4-6.69
Mar-2020	1.65 (0.81)	0.27-3.3	1.08 (0.46)	0.3-2.03	1.1 (0.25)	0.64-1.59
Apr-2020	0 (0)	0-0	0.05 (0.04)	0-0.14	0.08 (0.05)	0-0.16
May-2020	0.22 (0.18)	0-0.66	0.09 (0.08)	0-0.28	0.11 (0.06)	0-0.25
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0.55 (0.34)	0-1.24	0.94 (0.42)	0.22-1.82	0.7 (0.24)	0.29-1.21
Nov-2020	1.76 (1.06)	0.29-4.12	1.08 (0.47)	0.24-2.04	1.1 (0.29)	0.55-1.65
Dec-2020	0.44 (0.28)	0-1.03	1.36 (0.44)	0.57-2.29	1.99 (0.5)	1.03-3.02
Jan-2021	0.33 (0.28)	0-0.99	0.94 (0.3)	0.38-1.5	1.26 (0.28)	0.7-1.82
Feb-2021	1.43 (0.77)	0.16-3.02	1.08 (0.35)	0.4-1.75	1.1 (0.22)	0.71-1.53



Table 44. VE South. Density of Red-throated diver recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0.05 (0.04)	0-0.14	0.03 (0.02)	0-0.08
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0.09 (0.05)	0-0.19	0.05 (0.03)	0-0.11
Mar-2020	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.08
Apr-2020	0 (0)	0-0	0 (0)	0-0	0.05 (0.03)	0-0.11
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0.09 (0.08)	0-0.28	0.05 (0.04)	0-0.16
Jan-2021	0 (0)	0-0	0 (0)	0-0	0.08 (0.03)	0.03-0.13
Feb-2021	0.11 (0.09)	0-0.33	0.09 (0.04)	0-0.14	0.05 (0.02)	0-0.08

Table 45. VE South. Density of Sandwich tern recorded on each survey in flight and on the sea, S.D. and 95% confidence intervals, in the Array Area, Array Area and 2km buffer and Array Area and 4km buffer.

Survey	Abundance					
	Array Area		Array Area & 2km buffer		Array Area and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Mar-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2019	0.11 (0.09)	0-0.34	0.05 (0.04)	0-0.15	0.03 (0.02)	0-0.08
Nov-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2019	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Mar-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Apr-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
May-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jun-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jul-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Aug-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Sep-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Oct-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Nov-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Dec-2020	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Jan-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Feb-2021	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0



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