




F I V E 
ESTUARIES
OFFSHORE WIND FARM

FIVE ESTUARIES
OFFSHORE WIND FARM
PRELIMINARY ENVIRONMENTAL
INFORMATION REPORT

VOLUME 4, ANNEX 4.7: SEABIRD PEAK
SEASONAL DENSITIES

Document Reference 004685527-01
Revision A
Date December 2022





Project	Five Estuaries Offshore Wind Farm
Sub-Project or Package	Preliminary Environmental Information Report
Document Title	Volume 4, Annex 4.7: Seabird Peak Seasonal Densities
Document Reference	004685527-01
Revision	A

COPYRIGHT © Five Estuaries Wind Farm Ltd

All pre-existing rights reserved.

This document is supplied on and subject to the terms and conditions of the Contractual Agreement relating to this work, under which this document has been supplied, in particular:

LIABILITY

In preparation of this document Five Estuaries Wind Farm Ltd has made reasonable efforts to ensure that the content is accurate, up to date and complete for the purpose for which it was contracted. Five Estuaries Wind Farm Ltd makes no warranty as to the accuracy or completeness of material supplied by the client or their agent.

Other than any liability on Five Estuaries Wind Farm Ltd detailed in the contracts between the parties for this work Five Estuaries Wind Farm Ltd shall have no liability for any loss, damage, injury, claim, expense, cost or other consequence arising as a result of use or reliance upon any information contained in or omitted from this document.

Any persons intending to use this document should satisfy themselves as to its applicability for their intended purpose.

The user of this document has the obligation to employ safe working practices for any activities referred to and to adopt specific practices appropriate to local conditions.

Revision	Date	Status/Reason for Issue	Originator	Checked	Approved
A	Dec-22	Final for PEIR	MacArthur Green	GoBe	VE OWFL



MacArthur
Green

Five Estuaries Offshore Windfarm

Ornithology Technical Annex 4.7 Seabird peak seasonal densities

Date: 01 December 2022

Tel: 0141 342 5404

Web: www.macarthurgreen.com

Address: 93 South Woodside Road | Glasgow | G20 6NT

Document Quality Record

Version	Status	Person Responsible	Date
0.1	Draft	Dr Mark Trinder	24/10/2022
0.2	Reviewed	Rafe Dewar	01/12/2022
0.3	Updated	Dr Mark Trinder	14/12/2022
1	Internal Approval	Rafe Dewar	14/12/2022

MacArthur Green is helping to combat the climate crisis through working within a carbon negative business model. Read more at www.macarthurgreen.com.



1 INTRODUCTION

This annex provides tables of seabird peak densities in each species-specific season, as defined in Furness (2015)¹ for each species recorded during baseline surveys for the Five Estuaries Offshore Windfarm (VE) project (March 2019 – February 2021).

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.

¹ Furness, R.W. 2015. Non-breeding season populations of seabirds in UK waters: Population sizes for Biologically Defined Minimum Population Scales (BDMPS). Natural England Commissioned Report Number 164. 389 pp.

Table 1. VE North. Seasonal peak density of Black-headed gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0 (0)	0-0	0.06 (0.03)	0-0.13	0.09 (0.04)	0.02-0.15
Autumn migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.04

Table 2. VE North. Seasonal peak density of Common gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Autumn migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0.05 (0.04)	0-0.15	0.04 (0.03)	0-0.11	0.04 (0.02)	0-0.09

Table 3. VE North. Seasonal peak density of Common tern recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Autumn migration	0.05 (0.04)	0-0.11	0.02 (0.02)	0-0.07	0.01 (0.01)	0-0.04
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0.05 (0.04)	0-0.11	0.02 (0.02)	0-0.07	0.01 (0.01)	0-0.04

Table 4. VE North. Seasonal peak density of Fulmar recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0.31 (0.24)	0-0.84	0.16 (0.12)	0-0.42	0.1 (0.04)	0.03-0.18
Autumn migration	0 (0)	0-0	0.02 (0.02)	0-0.04	0.03 (0.02)	0-0.06
Winter	0 (0)	0-0	0.02 (0.02)	0-0.07	0.01 (0.01)	0-0.04
Non-breeding	0 (0)	0-0	0 (0)	0-0	0.03 (0.02)	0-0.06

Table 5. VE North. Seasonal peak density of Gannet recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0.3 (0.22)	0-0.81	0.17 (0.11)	0-0.41	0.11 (0.07)	0.01-0.25
Breeding (full)	0.74 (0.35)	0.11-1.47	0.72 (0.23)	0.32-1.19	0.69 (0.14)	0.42-0.96
Autumn migration	2.13 (1.03)	0.37-4.21	2.52 (0.67)	1.28-3.87	2.12 (0.35)	1.44-2.81
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 6. VE North. Seasonal peak density of Great black-backed gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0.05 (0.04)	0-0.15	0.04 (0.04)	0-0.13	0.05 (0.03)	0-0.1
Breeding (full)	0.05 (0.04)	0-0.16	0.02 (0.01)	0-0.05	0.01 (0.01)	0-0.03
Autumn migration	0.05 (0.04)	0-0.16	0.04 (0.02)	0-0.09	0.14 (0.08)	0-0.28
Winter	0.25 (0.17)	0-0.61	0.24 (0.11)	0.06-0.45	0.46 (0.21)	0.12-0.92
Non-breeding	0.25 (0.17)	0-0.61	0.24 (0.11)	0.06-0.45	0.46 (0.21)	0.12-0.92

Table 7. VE North. Seasonal peak density of Guillemot recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	3.16 (1.63)	0.4-6.38	3.5 (0.82)	1.85-5.02	3.95 (0.63)	2.71-5.18
Breeding (full)	3.53 (1.33)	1.04-6.18	3.61 (0.64)	2.37-4.92	3.89 (0.48)	2.97-4.85
Autumn migration	0.85 (0.42)	0.1-1.71	0.58 (0.18)	0.26-0.92	0.48 (0.1)	0.31-0.67
Winter	1.25 (0.5)	0.32-2.25	1.16 (0.28)	0.62-1.69	1.2 (0.16)	0.9-1.5
Non-breeding	3.16 (1.63)	0.4-6.38	3.5 (0.82)	1.85-5.02	3.95 (0.63)	2.71-5.18

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

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	3.57 (1.83)	0.45-7.19	3.95 (0.93)	2.08-5.67	4.37 (0.7)	3-5.74
Breeding (full)	3.74 (1.41)	1.1-6.55	3.79 (0.67)	2.49-5.16	4.06 (0.51)	3.1-5.06
Autumn migration	0.85 (0.42)	0.1-1.71	0.58 (0.18)	0.26-0.92	0.51 (0.11)	0.32-0.71
Winter	1.36 (0.54)	0.35-2.44	1.34 (0.32)	0.72-1.95	1.38 (0.18)	1.03-1.74
Non-breeding	3.57 (1.83)	0.45-7.19	3.95 (0.93)	2.08-5.67	4.37 (0.7)	3-5.74

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

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	4.67 (2.4)	0.59-9.42	5.15 (1.21)	2.72-7.4	5.71 (0.91)	3.91-7.49
Breeding (full)	4.88 (1.84)	1.43-8.55	4.96 (0.88)	3.26-6.76	5.31 (0.66)	4.05-6.62
Autumn migration	1.11 (0.54)	0.13-2.21	0.75 (0.23)	0.33-1.2	0.67 (0.15)	0.42-0.94
Winter	1.78 (0.7)	0.46-3.19	1.76 (0.42)	0.95-2.57	1.8 (0.24)	1.35-2.27
Non-breeding	4.67 (2.4)	0.59-9.42	5.15 (1.21)	2.72-7.4	5.71 (0.91)	3.91-7.49

Table 10. VE North. Seasonal peak density of Herring gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0.58 (0.42)	0-1.41	0.25 (0.18)	0-0.65	0.14 (0.11)	0-0.37
Autumn migration	0.05 (0.04)	0-0.15	0.02 (0.02)	0-0.06	0.04 (0.02)	0-0.09
Winter	0.1 (0.07)	0-0.25	0.09 (0.05)	0-0.19	0.12 (0.04)	0.05-0.2
Non-breeding	0.1 (0.07)	0-0.25	0.09 (0.05)	0-0.19	0.12 (0.04)	0.05-0.2

Table 11. VE North. Seasonal peak density of Kittiwake recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0.6 (0.37)	0-1.36	0.73 (0.3)	0.17-1.33	0.57 (0.18)	0.25-0.94
Breeding (full)	1.58 (0.68)	0.42-2.94	1.39 (0.4)	0.65-2.17	1.55 (0.28)	1.01-2.11
Autumn migration	0.46 (0.25)	0-0.98	0.53 (0.16)	0.22-0.83	0.58 (0.11)	0.37-0.81
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0.6 (0.37)	0-1.36	0.73 (0.3)	0.17-1.33	0.58 (0.11)	0.37-0.81

Table 12. VE North. Seasonal peak density of Lesser black-backed gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.03
Breeding (full)	7.14 (5.31)	0-19.31	3.05 (2.32)	0-8.37	1.91 (1.37)	0.06-5.01
Autumn migration	0.16 (0.1)	0-0.36	0.11 (0.05)	0.02-0.2	0.08 (0.03)	0.01-0.14
Winter	0.05 (0.04)	0-0.15	0.04 (0.02)	0-0.09	0.08 (0.05)	0-0.18
Non-breeding	0.16 (0.1)	0-0.36	0.11 (0.05)	0.02-0.2	0.08 (0.03)	0.01-0.14

Table 13. VE North. Seasonal peak density of Little gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0.1 (0.08)	0-0.21	0.04 (0.04)	0-0.13	0.04 (0.03)	0-0.1
Autumn migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0.05 (0.04)	0-0.16	0.02 (0.02)	0-0.07	0.04 (0.02)	0-0.08

Table 14. VE North. Seasonal peak density of Puffin recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.03
Breeding (full)	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Autumn migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.03

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

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.03
Breeding (full)	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Autumn migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.03

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

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.03
Breeding (full)	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Autumn migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.03

Table 17. VE North. Seasonal peak density of Razorbill recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	2.35 (0.95)	0.58-4.22	2.55 (0.51)	1.6-3.54	2.4 (0.27)	1.85-2.91
Breeding (full)	0.16 (0.08)	0-0.31	0.31 (0.13)	0.09-0.6	0.34 (0.12)	0.13-0.6
Autumn migration	0.86 (0.48)	0-1.82	0.71 (0.29)	0.17-1.3	0.61 (0.21)	0.21-1.03
Winter	2.78 (1.33)	0.15-5.35	3.34 (0.73)	1.99-4.77	3.4 (0.57)	2.39-4.62
Non-breeding	2.78 (1.33)	0.15-5.35	3.34 (0.73)	1.99-4.77	3.4 (0.57)	2.39-4.62

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

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	2.45 (1)	0.59-4.42	2.66 (0.53)	1.66-3.7	2.5 (0.28)	1.93-3.04
Breeding (full)	0.16 (0.08)	0-0.31	0.33 (0.14)	0.1-0.63	0.37 (0.13)	0.14-0.64
Autumn migration	0.91 (0.51)	0-1.93	0.71 (0.29)	0.17-1.3	0.63 (0.22)	0.21-1.05
Winter	3.58 (1.73)	0.17-6.94	3.97 (0.86)	2.36-5.65	3.87 (0.64)	2.73-5.24
Non-breeding	3.58 (1.73)	0.17-6.94	3.97 (0.86)	2.36-5.65	3.87 (0.64)	2.73-5.24

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

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	2.97 (1.21)	0.71-5.37	3.21 (0.64)	2.01-4.47	3.04 (0.35)	2.35-3.69
Breeding (full)	0.21 (0.1)	0-0.42	0.42 (0.18)	0.12-0.81	0.45 (0.16)	0.17-0.78
Autumn migration	1.07 (0.59)	0-2.25	0.78 (0.32)	0.19-1.41	0.69 (0.24)	0.23-1.16
Winter	4.34 (2.1)	0.2-8.41	4.79 (1.04)	2.85-6.82	4.68 (0.78)	3.31-6.33
Non-breeding	4.34 (2.1)	0.2-8.41	4.79 (1.04)	2.85-6.82	4.68 (0.78)	3.31-6.33

Table 20. VE North. Seasonal peak density of Red-throated diver recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0.06 (0.03)	0.01-0.14
Breeding (full)	0 (0)	0-0	0.04 (0.03)	0-0.09	0.03 (0.02)	0-0.05
Autumn migration	0 (0)	0-0	0.02 (0.02)	0-0.07	0.01 (0.01)	0-0.04
Winter	0.05 (0.04)	0-0.15	0.04 (0.02)	0-0.09	0.02 (0.01)	0-0.05
Non-breeding	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 21. VE North. Seasonal peak density of Sandwich tern recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.03
Autumn migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 22. VE South. Seasonal peak density of Arctic skua recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Autumn migration	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.03
Winter	0 (0)	0-0	0.02 (0.02)	0-0.05	0.01 (0.01)	0-0.03
Non-breeding	0 (0)	0-0	0.02 (0.02)	0-0.05	0.01 (0.01)	0-0.03

Table 23. VE South. Seasonal peak density of Black-headed gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0.11 (0.06)	0-0.22	0.05 (0.03)	0-0.09	0.07 (0.03)	0.01-0.13
Autumn migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0.06 (0.05)	0-0.17	0.1 (0.07)	0-0.24	0.07 (0.04)	0-0.15

Table 24. VE South. Seasonal peak density of Common gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0 (0)	0-0	0.02 (0.02)	0-0.07	0.01 (0.01)	0-0.04
Autumn migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0.16 (0.09)	0-0.33	0.12 (0.05)	0.05-0.21	0.12 (0.03)	0.07-0.17

Table 25. VE South. Seasonal peak density of Common tern recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0 (0)	0-0	0.02 (0.02)	0-0.07	0.03 (0.02)	0-0.07
Autumn migration	0 (0)	0-0	0 (0)	0-0	0.05 (0.03)	0-0.11
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0 (0)	0-0	0 (0)	0-0	0.05 (0.03)	0-0.11

Table 26. VE South. Seasonal peak density of Cormorant recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Autumn migration	0.35 (0.28)	0-0.7	0.15 (0.12)	0-0.44	0.08 (0.07)	0-0.25
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0.35 (0.28)	0-0.7	0.15 (0.12)	0-0.44	0.08 (0.07)	0-0.25

Table 27. VE South. Seasonal peak density of Fulmar recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0.4 (0.14)	0.11-0.68	0.54 (0.32)	0.05-1.22	0.53 (0.22)	0.15-0.97
Autumn migration	0.06 (0.04)	0-0.12	0.12 (0.08)	0-0.3	0.48 (0.18)	0.13-0.86
Winter	0 (0)	0-0	0.02 (0.02)	0-0.05	0.01 (0.01)	0-0.03
Non-breeding	0.06 (0.04)	0-0.12	0.12 (0.08)	0-0.3	0.48 (0.18)	0.13-0.86

Table 28. VE South. Seasonal peak density of Gannet recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0.16 (0.13)	0-0.44	0.28 (0.14)	0.05-0.56	0.63 (0.23)	0.21-1.08
Breeding (full)	1.39 (1.04)	0-3.82	0.84 (0.49)	0.07-1.8	0.64 (0.38)	0.07-1.27
Autumn migration	2.3 (0.88)	0.75-4.09	1.71 (0.44)	0.86-2.52	1.53 (0.22)	1.11-1.96
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 29. VE South. Seasonal peak density of Great black-backed gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0.11 (0.09)	0-0.33	0.17 (0.08)	0-0.31	0.22 (0.09)	0.07-0.4
Breeding (full)	0 (0)	0-0	0.07 (0.04)	0-0.15	0.08 (0.03)	0.01-0.15
Autumn migration	0.17 (0.14)	0-0.52	0.31 (0.15)	0.07-0.63	0.49 (0.21)	0.11-0.88
Winter	0 (0)	0-0	0.09 (0.06)	0-0.23	0.11 (0.04)	0.04-0.19
Non-breeding	0.17 (0.14)	0-0.52	0.31 (0.15)	0.07-0.63	0.49 (0.21)	0.11-0.88

Table 30. VE South. Seasonal peak density of Great skua recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.03
Breeding (full)	0.06 (0.05)	0-0.17	0.05 (0.03)	0-0.1	0.06 (0.02)	0.01-0.1
Autumn migration	0 (0)	0-0	0.02 (0.02)	0-0.07	0.03 (0.01)	0-0.06
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0 (0)	0-0	0.02 (0.02)	0-0.07	0.03 (0.01)	0-0.06

Table 31. VE South. Seasonal peak density of Guillemot recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	16.22 (4.57)	7.32-25.02	14.07 (2.32)	9.58-18.63	11.95 (1.08)	9.79-14.08
Breeding (full)	2.25 (0.9)	0.67-4.09	2.16 (0.48)	1.23-3.09	2.81 (0.61)	1.72-3.95
Autumn migration	0.4 (0.18)	0.11-0.74	0.34 (0.17)	0.07-0.7	0.3 (0.12)	0.08-0.56
Winter	2.36 (1.03)	0.58-4.44	1.52 (0.48)	0.61-2.47	1.44 (0.28)	0.95-2.02
Non-breeding	16.22 (4.57)	7.32-25.02	14.07 (2.32)	9.58-18.63	11.95 (1.08)	9.79-14.08

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

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	17.8 (5.06)	7.97-27.54	15.45 (2.56)	10.49-20.48	13.16 (1.19)	10.76-15.52
Breeding (full)	2.41 (0.97)	0.72-4.4	2.26 (0.5)	1.29-3.23	2.93 (0.64)	1.8-4.12
Autumn migration	0.46 (0.21)	0.13-0.85	0.34 (0.17)	0.07-0.7	0.33 (0.13)	0.09-0.61
Winter	2.65 (1.16)	0.65-4.98	1.71 (0.54)	0.69-2.8	1.61 (0.31)	1.07-2.25
Non-breeding	17.8 (5.06)	7.97-27.54	15.45 (2.56)	10.49-20.48	13.16 (1.19)	10.76-15.52

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

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	23.1 (6.55)	10.35-35.72	20.14 (3.34)	13.68-26.71	17.18 (1.56)	14.05-20.26
Breeding (full)	3.14 (1.26)	0.95-5.73	2.96 (0.65)	1.69-4.22	3.82 (0.84)	2.34-5.38
Autumn migration	0.57 (0.26)	0.16-1.06	0.44 (0.21)	0.1-0.89	0.43 (0.17)	0.12-0.79
Winter	3.52 (1.53)	0.86-6.6	2.23 (0.71)	0.9-3.64	2.1 (0.41)	1.39-2.93
Non-breeding	23.1 (6.55)	10.35-35.72	20.14 (3.34)	13.68-26.71	17.18 (1.56)	14.05-20.26

Table 34. VE South. Seasonal peak density of Herring gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0.05 (0.04)	0-0.09	0.07 (0.04)	0-0.15
Breeding (full)	0.11 (0.09)	0-0.34	0.34 (0.25)	0-0.93	0.2 (0.14)	0-0.52
Autumn migration	0.06 (0.05)	0-0.17	0.09 (0.05)	0-0.19	0.07 (0.04)	0-0.13
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0.06 (0.05)	0-0.17	0.09 (0.05)	0-0.19	0.07 (0.04)	0-0.15

Table 35. VE South. Seasonal peak density of Kittiwake recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0.71 (0.27)	0.22-1.26	0.71 (0.21)	0.33-1.11	0.77 (0.14)	0.5-1.06
Breeding (full)	1.69 (0.64)	0.51-2.98	1.83 (0.44)	0.99-2.64	2.12 (0.56)	1.09-3.17
Autumn migration	0.94 (0.39)	0.28-1.71	0.96 (0.3)	0.42-1.55	1.06 (0.24)	0.63-1.56
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0.94 (0.39)	0.28-1.71	0.96 (0.3)	0.42-1.55	1.06 (0.24)	0.63-1.56

Table 36. VE South. Seasonal peak density of Lesser black-backed gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0.05 (0.04)	0-0.16	0.02 (0.02)	0-0.05	0.01 (0.01)	0-0.03
Breeding (full)	1.83 (1.06)	0-4.23	5.73 (4.27)	0.19-15.79	4.79 (3.46)	0.3-12.95
Autumn migration	0.17 (0.1)	0-0.41	0.57 (0.32)	0.1-1.1	0.79 (0.28)	0.25-1.36
Winter	0.11 (0.09)	0-0.33	0.07 (0.06)	0-0.17	0.09 (0.05)	0.03-0.2
Non-breeding	0.17 (0.1)	0-0.41	0.57 (0.32)	0.1-1.1	0.79 (0.28)	0.25-1.36

Table 37. VE South. Seasonal peak density of Little gull recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Autumn migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Winter	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Non-breeding	0 (0)	0-0	0.05 (0.03)	0-0.1	0.03 (0.02)	0-0.06

Table 38. VE South. Seasonal peak density of Puffin recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Autumn migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Winter	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.04
Non-breeding	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.04

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

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Autumn migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Winter	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.04
Non-breeding	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.04

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

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Autumn migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Winter	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.04
Non-breeding	0 (0)	0-0	0 (0)	0-0	0.01 (0.01)	0-0.04

Table 41. VE South. Seasonal peak density of Razorbill recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	2.13 (0.85)	0.62-3.82	1.44 (0.42)	0.67-2.27	1.93 (0.58)	0.93-2.99
Breeding (full)	0.23 (0.19)	0-0.68	0.15 (0.08)	0-0.31	0.14 (0.06)	0.03-0.26
Autumn migration	0.22 (0.14)	0-0.5	0.91 (0.42)	0.17-1.8	0.8 (0.26)	0.34-1.32
Winter	1.47 (0.82)	0.11-3.16	1.53 (0.61)	0.49-2.72	1.84 (0.34)	1.2-2.54
Non-breeding	2.24 (1.01)	0.55-4.38	1.98 (0.47)	1.14-2.89	2.3 (0.41)	1.54-3.09

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

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	2.19 (0.87)	0.64-3.91	1.48 (0.44)	0.69-2.35	2.03 (0.61)	0.98-3.14
Breeding (full)	0.23 (0.19)	0-0.68	0.15 (0.08)	0-0.31	0.14 (0.06)	0.03-0.26
Autumn migration	0.22 (0.14)	0-0.5	0.94 (0.43)	0.17-1.85	0.87 (0.28)	0.38-1.43
Winter	1.64 (0.92)	0.12-3.52	1.7 (0.67)	0.54-3.02	2.16 (0.41)	1.39-3
Non-breeding	2.57 (1.16)	0.61-5.04	2.21 (0.53)	1.26-3.24	2.58 (0.46)	1.73-3.47

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

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	2.64 (1.05)	0.77-4.72	1.77 (0.52)	0.82-2.81	2.44 (0.73)	1.18-3.77
Breeding (full)	0.23 (0.19)	0-0.68	0.17 (0.09)	0-0.36	0.15 (0.07)	0.03-0.29
Autumn migration	0.28 (0.17)	0-0.62	1.13 (0.52)	0.2-2.23	1.05 (0.33)	0.45-1.73
Winter	1.98 (1.11)	0.15-4.25	2.07 (0.82)	0.66-3.66	2.62 (0.5)	1.69-3.63
Non-breeding	2.95 (1.33)	0.71-5.78	2.63 (0.63)	1.51-3.85	3.06 (0.54)	2.05-4.11

Table 44. VE South. Seasonal peak density of Red-throated diver recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0.06 (0.05)	0-0.17	0.09 (0.05)	0-0.16	0.05 (0.03)	0-0.09
Breeding (full)	0 (0)	0-0	0.02 (0.02)	0-0.07	0.03 (0.02)	0-0.08
Autumn migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Winter	0 (0)	0-0	0.05 (0.04)	0-0.14	0.04 (0.01)	0.01-0.07
Non-breeding	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0

Table 45. VE South. Seasonal peak density of Sandwich tern recorded in flight and on the sea, S.D. and 95% confidence intervals, in the Array Areas, Array Areas and 2km buffer and Array Areas and 4km buffer.

Season	Density					
	Array Areas		Array Areas & 2km buffer		Array Areas and 4km buffer	
	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.	Estimate (S.D.)	95% c.i.
Spring migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Breeding (full)	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Autumn migration	0 (0)	0-0	0 (0)	0-0	0 (0)	0-0
Winter	0.06 (0.05)	0-0.17	0.02 (0.02)	0-0.07	0.01 (0.01)	0-0.04
Non-breeding	0.06 (0.05)	0-0.17	0.02 (0.02)	0-0.07	0.01 (0.01)	0-0.04



F I V E
ESTUARIES
OFFSHORE WIND FARM



PHONE
EMAIL
WEBSITE
ADDRESS

COMPANY NO

0333 880 5306

fiveestuaries@rwe.com

www.fiveestuaries.co.uk

Five Estuaries Offshore Wind Farm Ltd
Windmill Hill Business Park
Whitehill Way, Swindon, SN5 6PB
Registered in England and Wales
company number 12292474

