



# Arklow Bank Wind Park 2

## Environmental Impact Assessment Report

Volume III, Appendix 12.2: Offshore Ornithology Technical Report -  
Monthly Seabird Density (Revised March 2026)



MacArthur  
Green

## Arklow Bank Wind Park 2

# ~~Technical~~ Appendix 12.02 Offshore Ornithology Technical Report

## Monthly Seabird Density (Revised March 2026)

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## CONTENTS

Glossary .....	vii
Acronyms.....	vii
Units .....	vii
1 OFFSHORE ORNITHOLOGY TECHNICAL REPORT: – MONTHLY SEABIRD DENSITY.....	17
1.1 Introduction .....	4
1.2 Monthly seabird density .....	4
1.3 REFERENCES .....	4494

## LIST OF TABLES

<del>Table 12.2.1: Key to species density tables. Each table is provided as ‘a’ ‘b’ or ‘c’ for density of all birds in flight and on the sea, in flight only or on the sea only respectively. ....</del>	<del>2</del>
Table 1. Arklow Bank. Design-based estimates of Arctic / common tern density (birds/km <sup>2</sup> ) in flight and on the sea in the entire consent area and buffer zones.....	7
Table 2. Arklow Bank. Design-based estimates of Arctic / common tern density (birds/km <sup>2</sup> ) in flight only in the entire consent area and buffer zones. ....	8
Table 3. Arklow Bank. Design-based estimates of Arctic / common tern density (birds/km <sup>2</sup> ) on the sea only in the entire consent area and buffer zones.....	9
Table <del>12.2.1 a</del> :4. Arklow Bank. Design-based estimates of Arctic skua density (birds/km <sup>3</sup> km <sup>2</sup> ) <sub>f</sub> in flight and on the sea in the entire <del>Array</del> consent area and buffer zones. ....	<del>3</del> 10
Table <del>12.2.1 b</del> :5. Arklow Bank. Design-based estimates of Arctic skua density (birds/km <sup>3</sup> ) <sub>f</sub> km <sup>2</sup> in flight only in the entire consent area and buffer zones. ....	<del>3</del> 11
Table <del>12.2.1 c</del> :6. Arklow Bank. Design-based estimates of Arctic skua density (birds/km <sup>3</sup> km <sup>2</sup> ) <sub>f</sub> on the sea only in the entire <del>Array</del> consent area and buffer zones. ....	<del>4</del> 12
Table <del>12.2.2 a</del> :7. Arklow Bank. Design-based estimates of Arctic tern density (birds/km <sup>3</sup> km <sup>2</sup> ) <sub>f</sub> in flight and on the sea in the entire <del>Array</del> consent area and buffer zones. ....	<del>4</del> 13
Table <del>12.2.2 b</del> :8. Arklow Bank. Design-based estimates of Arctic tern density (birds/km <sup>3</sup> km <sup>2</sup> ) <sub>f</sub> in flight only in the entire <del>Array</del> consent area and buffer zones. ....	<del>5</del> 14
Table <del>12.2.2 c</del> :9. Arklow Bank. Design-based estimates of Arctic tern density (birds/km <sup>3</sup> km <sup>2</sup> ) <sub>f</sub> on the sea only in the entire <del>Array</del> consent area and buffer zones. ....	<del>5</del> 15
Table <del>12.2.3 a</del> :10. Arklow Bank. Design-based estimates of <del>Arctic/common tern</del> Auk / shearwater species density (birds/km <sup>3</sup> km <sup>2</sup> ) <sub>f</sub> in flight and on the sea in the entire <del>Array</del> consent area and buffer zones.....	<del>6</del> 16
Table <del>12.2.3 b</del> :11. Arklow Bank. Design-based estimates of <del>Arctic/common tern</del> Auk / shearwater species density (birds/km <sup>3</sup> km <sup>2</sup> ) <sub>f</sub> in flight only in the entire <del>Array</del> consent area and buffer zones. ....	<del>6</del> 17
Table <del>12.2.3 c</del> :12. Arklow Bank. Design-based estimates of <del>Arctic/common tern</del> Auk / shearwater species density (birds/km <sup>3</sup> km <sup>2</sup> ) <sub>f</sub> on the sea only in the entire <del>Array</del> consent area and buffer zones. ....	<del>7</del> 18

Table 12.2.4 a:13. Arklow Bank. Design-based estimates of Auk species density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight and on the sea in the entire Array consent area and buffer zones. ....	719
Table 12.2.4 b:14. Arklow Bank. Design-based estimates of Auk species density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight only in the entire Array consent area and buffer zones. ....	820
Table 12.2.4 c:15. Arklow Bank. Design-based estimates of Auk species density (birds/km <sup>3</sup> km <sup>2</sup> ), on the sea only in the entire Array consent area and buffer zones. ....	821
Table 12.2.5 a:16. Arklow Bank. Design-based estimates of Black-headed gull density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight and on the sea in the entire Array consent area and buffer zones. ....	922
Table 12.2.5 b:17. Arklow Bank. Design-based estimates of Black-headed gull density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight only in the entire Array consent area and buffer zones. ....	923
Table 12.2.5 c:18. Arklow Bank. Design-based estimates of Black-headed gull density (birds/km <sup>3</sup> km <sup>2</sup> ), on the sea only in the entire Array consent area and buffer zones. ....	1024
Table 12.2.6 a:19. Arklow Bank. Design-based estimates of Common gull density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight and on the sea in the entire Array consent area and buffer zones. ....	1025
Table 12.2.6 b:20. Arklow Bank. Design-based estimates of Common gull density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight only in the entire Array consent area and buffer zones. ....	1126
Table 12.2.6 c:21. Arklow Bank. Design-based estimates of Common gull density (birds/km <sup>3</sup> km <sup>2</sup> ), on the sea only in the entire Array consent area and buffer zones. ....	1127
Table 12.2.7 a:22. Arklow Bank. Design-based estimates of Common scoter density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight and on the sea in the entire Array consent area and buffer zones. ....	1228
Table 12.2.7 b:23. Arklow Bank. Design-based estimates of Common scoter density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight only in the entire Array consent area and buffer zones. ....	1229
Table 12.2.7 c:24. Arklow Bank. Design-based estimates of Common scoter density (birds/km <sup>3</sup> km <sup>2</sup> ), on the sea only in the entire Array consent area and buffer zones. ....	1330
Table 12.2.8 a:25. Arklow Bank. Design-based estimates of Common tern density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight and on the sea in the entire Array consent area and buffer zones. ....	1331
Table 12.2.8 b:26. Arklow Bank. Design-based estimates of Common tern density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight only in the entire Array consent area and buffer zones. ....	1432
Table 12.2.8 c:27. Arklow Bank. Design-based estimates of Common tern density (birds/km <sup>3</sup> km <sup>2</sup> ), on the sea only in the entire Array consent area and buffer zones. ....	1433
Table 12.2.9 a:28. Arklow Bank. Design-based estimates of Cormorant density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight and on the sea in the entire Array consent area and buffer zones. ....	1534
Table 12.2.9 b:29. Arklow Bank. Design-based estimates of Cormorant density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight only in the entire Array consent area and buffer zones. ....	1535
Table 12.2.9 c:30. Arklow Bank. Design-based estimates of Cormorant density (birds/km <sup>3</sup> km <sup>2</sup> ), on the sea only in the entire Array consent area and buffer zones. ....	1636
Table 12.2.10 a:31. Arklow Bank. Design-based estimates of Cormorant / shag density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight and on the sea in the entire Array consent area and buffer zones. ....	1637
Table 12.2.10 b:32. Arklow Bank. Design-based estimates of Cormorant / shag density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight only in the entire Array consent area and buffer zones. ....	1738
Table 12.2.10 c:33. Arklow Bank. Design-based estimates of Cormorant / shag density (birds/km <sup>3</sup> km <sup>2</sup> ), on the sea only in the entire Array consent area and buffer zones. ....	1739
Table 12.2.11 a:34. Arklow Bank. Design-based estimates of Diver species density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight and on the sea in the entire Array consent area and buffer zones. ....	1840
Table 12.2.11 b:35. Arklow Bank. Design-based estimates of Diver species density (birds/km <sup>3</sup> km <sup>2</sup> ), in flight only in the entire Array consent area and buffer zones. ....	1841

Table ~~12.2.11~~ ~~c~~:36. Arklow Bank. Design-based estimates of Diver species density (birds/km<sup>2</sup>km<sup>2</sup>); on the sea only in the entire **Arrayconsent** area and buffer zones.....1942

Table 37. Arklow Bank. Design-based estimates of European storm petrel density (birds/km<sup>2</sup>) in flight and on the sea in the entire consent area and buffer zones. .... 43

Table 38. Arklow Bank. Design-based estimates of European storm petrel density (birds/km<sup>2</sup>) in flight only in the entire consent area and buffer zones. .... 44

Table 39. Arklow Bank. Design-based estimates of European storm petrel density (birds/km<sup>2</sup>) on the sea only in the entire consent area and buffer zones. .... 45

Table ~~12.2.12~~ ~~a~~:40. Arklow Bank. Design-based estimates of Fulmar density (birds/km<sup>2</sup>km<sup>2</sup>); in flight and on the sea in the entire **Arrayconsent** area and buffer zones..... 1946

Table ~~12.2.12~~ ~~b~~:41. Arklow Bank. Design-based estimates of Fulmar density (birds/km<sup>2</sup>km<sup>2</sup>); in flight only in the entire **Arrayconsent** area and buffer zones. .... 2047

Table ~~12.2.12~~ ~~c~~: 42. Arklow Bank. Design-based estimates of Fulmar density (birds/km<sup>2</sup>km<sup>2</sup>); on the sea only in the entire **Arrayconsent** area and buffer zones. .... 2048

Table ~~12.2.13~~ ~~a~~:43. Arklow Bank. Design-based estimates of Gannet density (birds/km<sup>2</sup>km<sup>2</sup>); in flight and on the sea in the entire **Arrayconsent** area and buffer zones.....2449

Table ~~12.2.13~~ ~~b~~:44. Arklow Bank. Design-based estimates of Gannet density (birds/km<sup>2</sup>km<sup>2</sup>); in flight only in the entire **Arrayconsent** area and buffer zones. .... 2450

Table ~~12.2.13~~ ~~c~~:45. Arklow Bank. Design-based estimates of Gannet density (birds/km<sup>2</sup>km<sup>2</sup>); on the sea only in the entire **Arrayconsent** area and buffer zones..... 2251

Table ~~12.2.14~~ ~~a~~:46. Arklow Bank. Design-based estimates of Great black-backed gull density (birds/km<sup>2</sup>km<sup>2</sup>); in flight and on the sea in the entire **Arrayconsent** area and buffer zones.....2252

Table ~~12.2.14~~ ~~b~~:47. Arklow Bank. Design-based estimates of Great black-backed gull density (birds/km<sup>2</sup>km<sup>2</sup>); in flight only in the entire **Arrayconsent** area and buffer zones. .... 2353

Table ~~12.2.14~~ ~~c~~:48. Arklow Bank. Design-based estimates of Great black-backed gull density (birds/km<sup>2</sup>km<sup>2</sup>); on the sea only in the entire **Arrayconsent** area and buffer zones. .... 2354

Table ~~12.2.15~~ ~~a~~:49. Arklow Bank. Design-based estimates of Great northern diver density (birds/km<sup>2</sup>km<sup>2</sup>); in flight and on the sea in the entire **Arrayconsent** area and buffer zones.... 2455

Table ~~12.2.15~~ ~~b~~:50. Arklow Bank. Design-based estimates of Great northern diver density (birds/km<sup>2</sup>km<sup>2</sup>); in flight only in the entire **Arrayconsent** area and buffer zones. .... 2456

Table ~~12.2.15~~ ~~c~~:51. Arklow Bank. Design-based estimates of Great northern diver density (birds/km<sup>2</sup>km<sup>2</sup>); on the sea only in the entire **Arrayconsent** area and buffer zones. .... 2557

Table ~~12.2.16~~ ~~a~~:52. Arklow Bank. Design-based estimates of Guillemot density (birds/km<sup>2</sup>km<sup>2</sup>); in flight and on the sea in the entire **Arrayconsent** area and buffer zones..... 2558

Table ~~12.2.16~~ ~~b~~:53. Arklow Bank. Design-based estimates of Guillemot density (birds/km<sup>2</sup>km<sup>2</sup>); in flight only in the entire **Arrayconsent** area and buffer zones. .... 2659

Table ~~12.2.16~~ ~~c~~:54. Arklow Bank. Design-based estimates of Guillemot density (birds/km<sup>2</sup>km<sup>2</sup>); on the sea only in the entire **Arrayconsent** area and buffer zones.....2660

Table ~~12.2.17~~ ~~a~~:55. Arklow Bank. Design-based estimates of Herring gull density (birds/km<sup>2</sup>km<sup>2</sup>); in flight and on the sea in the entire **Arrayconsent** area and buffer zones..... 2761

Table ~~12.2.17~~ ~~b~~:56. Arklow Bank. Design-based estimates of Herring gull density (birds/km<sup>2</sup>km<sup>2</sup>); in flight only in the entire **Arrayconsent** area and buffer zones. .... 2762

Table ~~12.2.17~~ ~~c~~:57. Arklow Bank. Design-based estimates of Herring gull density (birds/km<sup>2</sup>km<sup>2</sup>); on the sea only in the entire **Arrayconsent** area and buffer zones..... 2863

Table ~~12.2.18~~ ~~a~~:58. Arklow Bank. Design-based estimates of Kittiwake density (birds/km<sup>2</sup>km<sup>2</sup>); in flight and on the sea in the entire **Arrayconsent** area and buffer zones.....2864

Table <del>12.2.18-b</del> :59. Arklow Bank. Design-based estimates of Kittiwake density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> in flight only in the entire <b>Arrayconsent</b> area and buffer zones. ....	2965
Table <del>12.2.18-c</del> :60. Arklow Bank. Design-based estimates of Kittiwake density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> on the sea only in the entire <b>Arrayconsent</b> area and buffer zones. ....	2966
Table <del>12.2.19-a</del> :61. Arklow Bank. Design-based estimates of Lesser black-backed gull density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> in flight and on the sea in the entire <b>Arrayconsent</b> area and buffer zones....	3067
Table <del>12.2.19-b</del> :62. Arklow Bank. Design-based estimates of Lesser black-backed gull density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> in flight only in the entire <b>Arrayconsent</b> area and buffer zones. ....	3068
Table <del>12.2.19-c</del> :63. Arklow Bank. Design-based estimates of Lesser black-backed gull density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> on the sea only in the entire <b>Arrayconsent</b> area and buffer zones. ....	3169
Table <del>12.2.20-a</del> :64. Arklow Bank. Design-based estimates of little gull density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> in flight and on the sea in the entire <b>Arrayconsent</b> area and buffer zones. ....	3170
Table <del>12.2.20-b</del> :65. Arklow Bank. Design-based estimates of little gull density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> in flight only in the entire <b>Arrayconsent</b> area and buffer zones. ....	3271
Table <del>12.2.20-c</del> :66. Arklow Bank. Design-based estimates of little gull density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> on the sea only in the entire <b>Arrayconsent</b> area and buffer zones. ....	3272
Table <del>12.2.21-a</del> :67. Arklow Bank. Design-based estimates of Manx shearwater density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> in flight and on the sea in the entire <b>Arrayconsent</b> area and buffer zones....	3373
Table <del>12.2.21-b</del> :68. Arklow Bank. Design-based estimates of Manx shearwater density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> in flight only in the entire <b>Arrayconsent</b> area and buffer zones. ....	3374
Table <del>12.2.21-c</del> :69. Arklow Bank. Design-based estimates of Manx shearwater density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> on the sea only in the entire <b>Arrayconsent</b> area and buffer zones. ....	3475
Table <del>12.2.22-a</del> :70. Arklow Bank. Design-based estimates of Puffin density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> in flight and on the sea in the entire <b>Arrayconsent</b> area and buffer zones.....	3476
Table <del>12.2.22-b</del> :71. Arklow Bank. Design-based estimates of Puffin density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> in flight only in the entire <b>Arrayconsent</b> area and buffer zones. ....	3577
Table <del>12.2.22-c</del> :72. Arklow Bank. Design-based estimates of Puffin density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> on the sea only in the entire <b>Arrayconsent</b> area and buffer zones.....	3578
Table <del>12.2.23-a</del> :73. Arklow Bank. Design-based estimates of Razorbill density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> in flight and on the sea in the entire <b>Arrayconsent</b> area and buffer zones.....	3679
Table <del>12.2.23-b</del> :74. Arklow Bank. Design-based estimates of Razorbill density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> in flight only in the entire <b>Arrayconsent</b> area and buffer zones. ....	3680
Table <del>12.2.23-c</del> :75. Arklow Bank. Design-based estimates of Razorbill density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> on the sea only in the entire <b>Arrayconsent</b> area and buffer zones. ....	3781
Table <del>12.2.24-a</del> :76. Arklow Bank. Design-based estimates of Red-throated diver density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> in flight and on the sea in the entire <b>Arrayconsent</b> area and buffer zones....	3782
Table <del>12.2.24-b</del> :77. Arklow Bank. Design-based estimates of Red-throated diver density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> in flight only in the entire <b>Arrayconsent</b> area and buffer zones. ....	3883
Table <del>12.2.24-c</del> :78. Arklow Bank. Design-based estimates of Red-throated diver density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> on the sea only in the entire <b>Arrayconsent</b> area and buffer zones. ....	3884
Table <del>12.2.25-a</del> :79. Arklow Bank. Design-based estimates of <b>SandwichRoseate</b> Tern density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> in flight and on the sea in the entire <b>Arrayconsent</b> area and buffer zones....	3985
Table <del>12.2.25-b</del> :80. Arklow Bank. Design-based estimates of <b>SandwichRoseate</b> Tern density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> in flight only in the entire <b>Arrayconsent</b> area and buffer zones. ....	3986
Table <del>12.2.25-c</del> :81. Arklow Bank. Design-based estimates of <b>SandwichRoseate</b> Tern density (birds/ $\text{km}^2\text{km}^2$ ) <sub>f</sub> on the sea only in the entire <b>Arrayconsent</b> area and buffer zones. ....	4087

Table ~~12.2.26-a~~:82. Arklow Bank. Design-based estimates of ~~Shag~~Sandwich tern density (birds/~~km<sup>3</sup>km<sup>2</sup>~~)<sub>T</sub> in flight and on the sea in the entire ~~Array~~consent area and buffer zones... ~~40~~88

Table ~~12.2.26-b~~:83. Arklow Bank. Design-based estimates of ~~Shag~~Sandwich tern density (birds/~~km<sup>3</sup>km<sup>2</sup>~~)<sub>T</sub> in flight only in the entire ~~Array~~consent area and buffer zones..... ~~41~~89

Table ~~12.2.26-c~~:84. Arklow Bank. Design-based estimates of ~~Shag~~Sandwich tern density (birds/~~km<sup>3</sup>km<sup>2</sup>~~)<sub>T</sub> on the sea only in the entire ~~Array~~consent area and buffer zones. .... ~~41~~90

Table ~~12.2.27-a~~:85. Arklow Bank. Design-based estimates of ~~Small-gull-species~~Shag density (birds/~~km<sup>3</sup>km<sup>2</sup>~~)<sub>T</sub> in flight and on the sea in the entire ~~Array~~consent area and buffer zones.....~~42~~91

Table ~~12.2.27-b~~:86. Arklow Bank. Design-based estimates of ~~Small-gull-species~~Shag density (birds/~~km<sup>3</sup>km<sup>2</sup>~~)<sub>T</sub> in flight only in the entire ~~Array~~consent area and buffer zones. .... ~~42~~92

Table ~~12.2.27-c~~:87. Arklow Bank. Design-based estimates of ~~Small-gull-species~~Shag density (birds/~~km<sup>3</sup>km<sup>2</sup>~~)<sub>T</sub> on the sea only in the entire ~~Array~~consent area and buffer zones. .... ~~43~~93

## Glossary

Term	Meaning
Array Area	The Array Area is the area within which the Wind Turbine Generators (WTGs), the Offshore Substation Platforms (OSPs), and associated cables (export, inter-array and interconnector cabling) and foundations will be installed.

## Acronyms

Term	Meaning
c.i.	95% confidence range
JNCC	Joint Nature Conservation Committee

## Units

Unit	Description
Birds/km <sup>2</sup>	Birds per square kilometre (density)
km	Kilometre (distance)

# 1 OFFSHORE ORNITHOLOGY TECHNICAL REPORT: – MONTHLY SEABIRD DENSITY

## 1.1 Introduction

1. This Technical Report provides tables of seabird density in each calendar month for each species recorded in the Survey Area (Volume III, Appendix 12.01: Offshore Ornithology – Overview).
2. The tables provide density estimates for species recorded within the Array Area, the Array Area plus 2 km buffer and the Array Area plus 4 km buffer. These have been derived from the complete two-year dataset including 25 surveyed months of survey data (March 2018 to April 2020)<sup>†</sup>.
3. For each species there are three tables (a to c) showing the density of all birds recorded, birds recorded on the sea surface only and birds in flight only in the following sequence:
  - a. Density of all birds recorded (i.e. in flight and on the sea);
  - b. Density of birds recorded in flight only; and
  - c. Density of birds recorded on the sea surface only.
4. A key to the table numbering is provided in Table 12.2.1.

## 1.2 Monthly seabird density

5. For each species, monthly densities are summarised as the mean and 95% confidence range, derived from 1,000 nonparametric bootstrap samples. The upper and lower confidence intervals were calculated by pooling all the bootstrap samples for each month. Thus, for all months except July these have been calculated from 2,000 samples in each month, and for July 3,000 samples were used. The mean was calculated as the average of the individual monthly mean values (i.e. across two estimates for all months except July and across three estimates in July only).
6. Density of birds recorded within the following five high-level species groups (i.e. birds identified to family level, not to species) are also presented in this appendix:
  - Arctic/common tern;
  - Large auk species (guillemot and razorbill);
  - Cormorant or shag;
  - Diver species (red-throated diver, black-throated diver, great northern diver); and
  - Small gull species (common gull, black-headed gull, little gull, kittiwake).
7. For guillemot and razorbill, adjustment was made to account for availability bias, with the number recorded on the sea multiplied by a species-specific correction factor to account for individuals expected to be underwater when the image was taken. The values used were those advised by the Joint Nature Conservation Committee (JNCC) (Allen, 2013): 1.316 (24%) and 1.204 (17%) for guillemot and razorbill respectively, to account for estimates that 24% and 17% of these species respectively are underwater at any given time.

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<sup>†</sup> Twenty-five aerial surveys were carried out; three surveys in July and two in every other calendar month.

Table 1. Arklow Bank. Design-based estimates of Arctic / common tern density (birds/km<sup>2</sup>) in flight and on the sea in the entire consent area and buffer zones.

	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
Month	Density	95% c.i.	Density	95% c.i.	Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	2.94	0.15-2.52	1.1	0.1-0.85	0.66	0.09-0.49
May	2.32	0.38-1.21	0.98	0.23-0.45	0.63	0.2-0.26
Jun	0	0-0	0	0-0	0	0-0
Jul	0.07	0-0.07	0.05	0-0.04	0.07	0.01-0.04
Aug	4.86	1.77-1.99	2.15	0.69-0.86	1.26	0.46-0.48
Sep	0.82	0.15-0.43	0.63	0.22-0.23	0.41	0.17-0.14
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 2. Arklow Bank. Design-based estimates of Arctic / common tern density (birds/km<sup>2</sup>) in flight only in the entire consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Density	95% c.i.	Density	95% c.i.	Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0.54	0.07-0.28	0.3	0.1-0.13	0.21	0.09-0.07
May	1.47	0.07-0.88	0.66	0.1-0.34	0.46	0.12-0.2
Jun	0	0-0	0	0-0	0	0-0
Jul	0.07	0-0.07	0.05	0-0.04	0.07	0.01-0.04
Aug	2.05	0.77-0.78	0.86	0.37-0.29	0.54	0.25-0.17
Sep	0.52	0.05-0.3	0.5	0.15-0.21	0.32	0.11-0.13
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 3. Arklow Bank. Design-based estimates of Arctic / common tern density (birds/km<sup>2</sup>) on the sea only in the entire consent area and buffer zones.

~~Table 12.2.1: Key to species density tables. Each table is provided as 'a' 'b' or 'c' for density of all birds in flight and on the sea, in flight only or on the sea only respectively.~~

Species	All birds in flight and on sea in flight					
	On sea Density					
Arctic skua	12.2.1 a Wind farm		12.2.1 b Wind farm & 2km buffer		12.2.1 c Wind farm and 4km buffer	
Arctic tern Month	Density	12.2.2 a 95% c.i.	Density	12.2.2 b 95% c.i.	Density	12.2.2 c 95% c.i.
<del>Arctic/common tern</del> 12.2.3 a 12.2.3 b 12.2.3 c						
Auk species Jan	0	12.2.4 a 0-0	0	12.2.4 b 0-0	0	12.2.4 c 0-0
Black headed gull Feb	0	12.2.5 a 0-0	0	12.2.5 b 0-0	0	12.2.5 c 0-0
<del>Common gull</del> 12.2.6 a 12.2.6 b 12.2.6 c						
Common scoter Mar	0	12.2.7 a 0-0	0	12.2.7 b 0-0	0	12.2.7 c 0-0
<del>Common tern</del> 12.2.8 a 12.2.8 b 12.2.8 c						
Cormorant Apr	2.4	12.2.9 a 0-2.29	0.8	12.2.9 b 0-0.77	0.44	12.2.9 c 0-0.42
<del>Cormorant/shag species</del> 12.2.10 a 12.2.10 b 12.2.10 c						
Diver species May	0.85	12.2.11 a 0-0.78	0.3	12.2.11 b 0-0.26	0.17	12.2.11 c 0-0.16
Fulmar Jun	0	12.2.12 a 0-0	0	12.2.12 b 0-0	0	12.2.12 c 0-0
<del>Gannet</del> 12.2.13 a 12.2.13 b 12.2.13 c						
Great black-backed gull Jul	0	12.2.14 a 0-0	0	12.2.14 b 0-0	0	12.2.14 c 0-0
<del>Great northern diver</del> 12.2.15 a 12.2.15 b 12.2.15 c						
Guillemot Aug	2.82	12.2.16 a 0.46-1.74	1.29	12.2.16 b 0.16-0.74	0.72	12.2.16 c 0.09-0.42
<del>Herring gull</del> 12.2.17 a 12.2.17 b 12.2.17 c						

Species	All birds in flight and on-sea in flight					
	On-sea Density					
Arctic skua	12.2.1 a Wind farm		12.2.1 b Wind farm & 2km buffer		12.2.1 c Wind farm and 4km buffer	
Arctic tern Mon th	Density	12.2.2 a 95% c.i.	Density	12.2.2 b 95% c.i.	Density	12.2.2 c 95% c.i.
Kittiwake eSep	0.31	12.2.18 a 0-0.22	0.14	12.2.18 b 0.02-0.08	0.09	12.2.18 c 0.02-0.04
Lesser black-backed gull Oct	0	12.2.19 a 0-0	0	12.2.19 b 0-0	0	12.2.19 c 0-0
Little gull	12.2.20 a		12.2.20 b		12.2.20 c	
Manx shearwater Nov	0	12.2.21 a 0-0	0	12.2.21 b 0-0	0	12.2.21 c 0-0
Puffin	12.2.22 a		12.2.22 b		12.2.22 c	
Razorbill Dec	0	12.2.23 a 0-0	0	12.2.23 b 0-0	0	12.2.23 c 0-0
Red-throated diver	12.2.24 a		12.2.24 b		12.2.24 c	
Sandwich tern	12.2.25 a		12.2.25 b		12.2.25 c	
Shag	12.2.26 a		12.2.26 b		12.2.26 c	
Small gull species	12.2.27 a		12.2.27 b		12.2.27 c	

Table 12.2.1 a: 4. Arklow Bank. Design-based estimates of Arctic skua density (birds/ $\text{km}^2$ ) in flight and on the sea in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0.03	<del>0-0.03</del> 0-0.03
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table ~~12.2.1 b~~-5. Arklow Bank. Design-based estimates of Arctic skua density (birds/~~km<sup>2</sup>~~km<sup>2</sup>), in flight only in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area and 2 km buffer</del> Density	95% c.i.	<del>Array Area and 4 km buffer</del> Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0.03	<del>0-0.10</del> 0-0.03
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.1 c-6. Arklow Bank. Design-based estimates of Arctic skua density (birds/ $\text{km}^2\text{km}^2$ ) on the sea only in the entire Array consent area and buffer zones.

	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
Month	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.2-a-7. Arklow Bank. Design-based estimates of Arctic tern density (birds/km<sup>2</sup>km<sup>2</sup>)<sub>r</sub> in flight and on the sea in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	<del>3.79</del> 1.97	<del>0.8-8.54</del> 0.35-1.27	<del>1.52</del> 0.8	<del>0.46-3.22</del> 0.22-0.44	<del>0.89</del> 0.48	<del>0.36-2.20</del> 0.14-0.25
May	<del>4.40</del> 2.94	<del>1.27-8.73</del> 0.62-1.49	<del>1.80</del> 1.23	<del>0.73-3.36</del> 0.41-0.52	<del>1.08</del> 0.8	<del>0.44-2.08</del> 0.28-0.32
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	<del>0</del> 0.06	<del>0-0</del> 0-0.05
Aug	<del>49.89</del> 16.63	<del>12.78-84.55</del> 5.61-6.69	<del>17.13</del> 5.71	<del>5.69-32.11</del> 2.15-2.21	<del>10.39</del> 3.5	<del>5.23-19.65</del> 1.3-1.29
Sep	<del>0.47</del> 0.31	<del>0.07-1.12</del> 0-0.22	<del>0.66</del> 0.44	<del>0.24-1.31</del> 0.14-0.18	<del>0.60</del> 0.41	<del>0.2-1.06</del> 0.13-0.18
Oct	0.31	<del>0-0.74</del> 0-0.19	<del>0.10</del> 0.1	<del>0.03-0.23</del> 0-0.06	0.07	<del>0-0.17</del> 0-0.05
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.2 b: 8. Arklow Bank. Design-based estimates of Arctic tern density (birds/ $\text{km}^2$ ), in flight only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	3.79 1.97	0.61-9.80 0.35-1.27	1.52 0.8	0.53-2.26 0.22-0.44	0.89 0.48	0.28-2.04 0.14-0.26
May	1.39 0.93	0.38-3.06 0.2-0.49	0.80 0.56	0.31-1.44 0.19-0.24	0.53 0.43	0.26-0.86 0.17-0.16
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0.06	0-0-0.06
Aug	25.33 8.44	11.11-41.47 2.68-3.59	8.98 2.99	4.17-20.1 1.04-1.21	5.34 1.82	1.94-8.48 0.71-0.68
Sep	0.47 0.31	0.1-1.6 0-0.22	0.66 0.44	0.24-1.11 0.15-0.18	0.60 0.41	0.25-1.15 0.13-0.18
Oct	0.31	0-0.74 0-0.18	0.10 0.1	0.01-0.20 0-0.06	0.07	0-0.16 0-0.05
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.2-9. Arklow Bank. Design-based estimates of Arctic tern density (birds/km<sup>2</sup>km<sup>2</sup>) on the sea only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	<del>3.04</del> 2.01	<del>0.73</del> 0-1.28	<del>1.00</del> 0.67	<del>0.22</del> 0-0.42	<del>0.56</del> 0.37	<del>0.13</del> 0-0.23
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	<del>24.56</del> 8.19	<del>2.07</del> 5.70-0.77-5.19	<del>8.16</del> 2.72	<del>1.04</del> 20.46-0.27-1.76	<del>5.05</del> 1.68	<del>0.90</del> 12.17-0.23-1.03
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.3 a: 10. Arklow Bank. Design-based estimates of ~~Arctic/common tern~~ ~~Auk / shearwater~~ species density (birds/~~km<sup>3</sup>km<sup>2</sup>~~), in flight and on the sea in the entire ~~Array~~ consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area and 2 km buffer</del> Density	95% c.i.	<del>Array Area and 4 km buffer</del> Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	<del>0</del> 0.03	<del>0-0</del> 0.03
Mar	<del>0</del> 0.15	<del>0-0</del> 0.16	<del>0</del> 0.05	<del>0-0</del> 0.05	<del>0</del> 0.03	<del>0-0</del> 0.03
Apr	<del>2.94</del> 0.85	<del>0.19-8.07</del> 0.16-0.53	<del>1.10</del> 0.38	<del>0.13-2.94</del> 0.05-0.2	<del>0.66</del> 0.32	<del>0.11-6.9</del> 0.1-0.12
May	<del>2.32</del> 0.62	<del>0.31-5.03</del> 0.07-0.34	<del>0.98</del> 0.77	<del>0.24-1.85</del> 0.36-0.23	<del>0.63</del> 0.8	<del>0.22-1.16</del> 0.42-0.2
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	<del>0</del> 0.1	<del>0-0</del> 0.07	<del>0.06</del> 0.08	<del>0-0.17</del> 0.01-0.04
Aug	<del>8.34</del> 0.58	<del>3.54-13.71</del> 0.04-0.41	<del>3.16</del> 0.59	<del>1.47-5.25</del> 0.1-0.32	<del>1.84</del> 0.42	<del>0.82-3.31</del> 0.13-0.18
Sep	<del>1.24</del> 0.46	<del>0.31-2.66</del> 0-0.32	<del>0.95</del> 0.31	<del>0.34-1.61</del> 0.03-0.17	<del>0.60</del> 0.22	<del>0.26-0.98</del> 0.06-0.1
Oct	0	0-0	<del>0</del> 0.05	<del>0-0</del> 0.05	<del>0</del> 0.06	<del>0-0</del> 0.04
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.3 b-11. Arklow Bank. Design-based estimates of ~~Arctic/common tern~~Auk / shearwater species density (birds/~~km<sup>3</sup>km<sup>2</sup>~~), in flight only in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0.03	0-0.03
Mar	0	0-0	0	0-0	0	0-0
Apr	0.54	0.07-1.00	0.30	0.13-0.54	0.21	0.09-0.38
May	1.47	0.07-3.22	0.66	0.14-1.37	0.46	0.17-0.88
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0.02	0-0.02	0.06	0-0.17
Aug	3.94	1.74-6.76	1.56	0.80-2.52	0.96	0.46-1.55
Sep	0.78	0.12-1.74	0.74	0.18-1.46	0.47	0.17-0.84
Oct	0	0-0	0	0-0	0.03	0-0.03
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.3 c-12. Arklow Bank. Design-based estimates of ~~Arctic/common tern~~ **Auk / shearwater species** density (birds/~~km<sup>3</sup>~~km<sup>2</sup>), on the sea only in the entire ~~Array~~ **consent** area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area and 2 km buffer</del> Density	95% c.i.	<del>Array Area and 4 km buffer</del> Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	<del>0</del> 0.15	<del>0-0</del> 0-0.15	<del>0</del> 0.05	<del>0-0</del> 0-0.05	<del>0</del> 0.03	<del>0-0</del> 0-0.03
Apr	<del>2.40</del> 0.85	<del>0.7-1.80</del> 0.16-0.52	<del>0.80</del> 0.36	<del>0.2-0.8</del> 0.05-0.19	<del>0.44</del> 0.28	<del>0.1-0.33</del> 0.09-0.12
May	<del>0.85</del> 0.62	<del>0.2-0.4</del> 0.07-0.33	<del>0.30</del> 0.66	<del>0.0-0.88</del> 0.28-0.22	<del>0.17</del> 0.71	<del>0.0-0.62</del> 0.38-0.19
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	<del>0</del> 0.08	<del>0-0</del> 0-0.06	<del>0</del> 0.06	<del>0-0</del> 0-0.04
Aug	<del>4.40</del> 0.58	<del>0.92-9.04</del> 0.04-0.42	<del>1.59</del> 0.59	<del>0.27-3.33</del> 0.1-0.32	<del>0.88</del> 0.42	<del>0.21-1.90</del> 0.13-0.18
Sep	<del>0.47</del> 0.46	<del>0.1-0.39</del> 0-0.3	<del>0.20</del> 0.27	<del>0.05-0.42</del> 0.03-0.15	<del>0.13</del> 0.2	<del>0.01-0.30</del> 0.05-0.09
Oct	0	0-0	<del>0</del> 0.05	<del>0-0</del> 0-0.05	<del>0</del> 0.03	<del>0-0</del> 0-0.03
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.4 a-13. Arklow Bank. Design-based estimates of Auk species density (birds/km<sup>2</sup>km<sup>2</sup>)<sub>r</sub> in flight and on the sea in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	15.06	10.81	8.21	23.11	5.4	3.17
Feb2	5.95	4.17	2.66	9.86	1.51	1.55
Mar3	0.07	0.27	0.02	0.23	0.04	0.19
Apr4	0.07	0.35	0.02	0.23	0.04	0.2
May5	0.38	0.96	0.10	0.31	0.44	
Jun6	0.47	0.36	0.13	0	0.3	
Jul7	0.41	0.38	0.02	0.90	0.04	0.2
Aug8	0.92	0.73	0.15	1.90	0.19	0.35
Sep9	1.08	0.98	0.11	2.70	0.15	0.58
Oct10	1.08	0.93	0.31	1.85	0.15	0.45
Nov11	4.02	2.83	1.31	7.54	0.93	1.2
Dec12	2.78	3.4	0.96	5.8	0.77	1.7

Table ~~12.2.4 b~~-14. Arklow Bank. Design-based estimates of Auk species density (birds/~~km<sup>2</sup>km<sup>2</sup>~~)~~r~~ in flight only in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	0.230.46	0-0.780-0.36	0.130.19	0-0.330-0.13	0.100.12	0-0.30-0.220.02-0.08
Feb2	0.230.42	0-0.540-0.29	0.100.18	0-0.300.01-0.12	0.060.1	0-0.160.01-0.07
Mar3	0	0-0	0	0-0	0	0-0
Apr4	0	0-0	0	0-0	0.030.01	0-0.100-0.01
May5	0.160.08	0-0.470-0.07	0.130.06	0-0.280-0.04	0.090.04	0-0.10-0.220.01-0.02
Jun6	0	0-0	0	0-0	0	0-0
Jul7	0	0-0	0	0-0	0	0-0
Aug8	0	0-0	0	0-0	0	0-0
Sep9	0	0-0	0	0-0	0.01	0-0.040-0.01
Oct10	0.310.1	0-0.930-0.1	0.100.07	0-0.310-0.07	0.140.07	0-0.30-0.300-0.05
Nov11	0.540.36	0-1.590-0.27	0.230.15	0-0.520-0.1	0.170.12	0-0.30-0.400.02-0.06
Dec12	0	0-0	0	0-0	0	0-0

Table 12.2.4 c: 15. Arklow Bank. Design-based estimates of Auk species density (birds/km<sup>2</sup>km<sup>2</sup>) on the sea only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	14.82	10.35-22.22	5.90	4.1-8.89	3.33	2.32-5.29
Feb2	5.72	3.75-10.27	1.93	1.27-3.68	1.16	0.76-1.84
Mar3	0.07	0.27-0.04	0.05	0.12-0.01	0.03	0.07-0.01
Apr4	0.07	0.35-0.04	0.16	0.24-0.33	0.16	0.21-0.29
May5	0.23	0.88-0.62	0.33	0.7-0.69	0.26	0.52-0.28
Jun6	0.47	0.36-1.24	0.20	0.19-0.12	0.13	0.01-0.30
Jul7	0.44	0.38-0.05	0.39	0.44-0.16	0.44	0.55-0.26
Aug8	0.92	0.73-1.90	0.64	0.56-0.2	0.70	0.69-0.34
Sep9	1.08	0.98-2.59	0.70	1.03-0.48	0.58	0.79-0.43
Oct10	0.77	0.82-1.32	0.77	0.65-0.31	0.60	0.52-0.29
Nov11	3.47	2.47-6.62	1.95	1.4-0.67	1.42	1.07-0.6
Dec12	2.78	3.4-5.44	1.46	1.54-0.5	0.96	0.99-0.4

Table 12.2.5-a-16. Arklow Bank. Design-based estimates of Black-headed gull density (birds/km<sup>2</sup>km<sup>2</sup>), in flight and on the sea in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	8.508.65	2.18-16.82 3.97	3.053.02	1.02-6.44 0.77-1.34	1.75	0.54-3.00 0.53-0.76
Feb	9.275.41	2.28-19.08 1.12-2.6	3.151.9	1.17-6.47 0.54-0.88	1.841.11	0.38-3.74 0.29-0.48
Mar	0.57	0-0-0.48	0.19	0-0-0.16	0.1	0-0-0.09
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0.070.05	0-0.23 0-0.05	0.130.09	0.03-0.27 0.02-0.05	0.090.07	0.02-0.21 0.02-0.03
Aug	0.070.04	0-0.23 0-0.04	0.030.09	0-0.07	0.040.05	0-0.04
Sep	0.05	0-0-0.05	0.03	0-0-0.02	0.03	0-0-0.02
Oct	1.001.03	0.16-2.12 0.1-0.68	0.34	0.07-0.67 0.03-0.22	0.22	0.04-0.42 0.03-0.13
Nov	8.886.13	1.89-20.54 0.82-3.41	3.592.55	1.01-6.84 0.73-1.13	2.481.76	0.96-4.64 0.67-0.68
Dec	7.116.23	0.84-19.95 0.51-4.16	2.442.12	0.4-6.72 0.19-1.41	1.461.27	0.26-3.45 0.25-0.78

Table 12.2.5-b-17. Arklow Bank. Design-based estimates of Black-headed gull density (birds/km<sup>2</sup>km<sup>2</sup>), in flight only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	6.497.15	1.85-13.711.69-3.37	2.392.53	0.66-4.390.67-1.15	1.371.45	0.49-2.880.4-0.62
Feb	5.723.4	1.08-12.870.69-1.87	1.971.23	0.49-4.280.3-0.62	1.160.74	0.34-2.400.22-0.35
Mar	0.36	0-0-0.33	0.12	0-0-0.12	0.07	0-0-0.06
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0.070.05	0-0.270-0.05	0.130.09	0.01-0.280.02-0.05	0.090.07	0.01-0.170.02-0.03
Aug	0.070.04	0-0.230-0.04	0.03	0-0.070-0.03	0.01	0-0.040-0.01
Sep	0.05	0-0-0.05	0.02	0-0-0.02	0.02	0-0-0.01
Oct	0.850.67	0.16-1.850.05-0.43	0.280.22	0.05-0.700.02-0.13	0.180.15	0.04-0.470.02-0.08
Nov	2.782.01	0.65-5.640.41-1.01	1.511.1	0.58-2.730.38-0.42	0.960.7	0.42-1.560.3-0.24
Dec	6.885.82	1.03-18.440.46-4.22	2.361.98	0.48-5.320.22-1.35	1.421.2	0.26-3.290.17-0.73

Table 12.2.5-18. Arklow Bank. Design-based estimates of Black-headed gull density (birds/km<sup>2</sup>) on the sea only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	2.01	0.23-4.68	0.66	0.06-1.25	0.37	0.03-0.80
Feb	3.55	0.77-7.22	1.18	0.27-2.38	0.66	0.11-2.29
Mar	0.21	0-0.16	0.07	0-0.05	0.04	0-0.03
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0.06	0-0.04	0.04	0-0.03
Sep	0	0-0	0.02	0-0.02	0.01	0-0.01
Oct	0.16	0-0.39	0.05	0-0.13	0.03	0-0.09
Nov	6.10	0.34-13.87	2.08	0.28-4.38	1.52	0.22-3.40
Dec	0.23	0-0.70	0.07	0-0.23	0.04	0-0.13

Table 12.2.6 a-19. Arklow Bank. Design-based estimates of Common gull density (birds/km<sup>2</sup>)<sub>f</sub> in flight and on the sea in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	26.88 4	3.32-78.50 2.47-12.87	11.49 8.09	1.32-25.39 0.98-4.6	6.56 4.84	1.14-15.68 0.79-2.78
Feb2	34.44 5	11.07-80.64 3.9-8.41	11.44 6.08	3.5-23.20 1.45-2.84	6.44 3.45	1.53-12.84 0.94-1.55
Mar3	0.23 0.62	0-0.70 0.07-0.36	0.12 0.37	0-0.36 0.1-0.17	0.10 0.25	0-0.22 0.1-0.1
Apr4	0.54 0.31	0-0.41 0.16-0.04-0.21	0.18 0.14	0-0.44 0.01-0.09	0.10 0.09	0-0.20 0.01-0.05
May5	0	0-0	0.07 0.05	0-0.23 0-0.05	0.04 0.03	0-0.13 0-0.03
Jun6	0.46 0.23	0-1.17 0-0.23	0.15 0.07	0-0.46 0-0.08	0.09 0.04	0-0.26 0-0.04
Jul7	0	0-0	0.03	0-0.07 0-0.03	0.01	0-0.04 0-0.01
Aug8	0	0-0	0	0-0	0	0-0
Sep9	0	0-0	0	0-0	0	0-0
Oct10	0.05	0-0-0.05	0.07	0-0.02-0.03	0.08	0-0.03-0.03
Nov11	6.10 4.17	2.43-10.86 0.93-2	2.98 2.38	1.4-4.99 0.91-0.92	1.75 1.46	0.79-3.08 0.6-0.56
Dec12	7.80 6.23	0.54-21.20 0.62-4.76	2.80 2.22	0.34-7.19 0.33-1.63	1.80 1.49	0.39-4.16 0.37-0.91

Table 12.2.6-b-20. Arklow Bank. Design-based estimates of Common gull density (birds/km<sup>2</sup>km<sup>2</sup>)<sub>r</sub> in flight only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	9.737.16	1.47-20.401.08-4.04	5.804.21	0.60-16.880.43-2.86	3.402.51	0.45-7.680.4-1.57
Feb2	26.4113.82	7.44-49.723.98-6.31	8.774.7	3.46-16.361.41-2.09	4.912.67	1.16-8.700.77-1.21
Mar3	0.070.31	0-0.230.04-0.19	0.070.27	0.01-0.160.08-0.12	0.070.18	0.03-0.140.06-0.07
Apr4	00.04	0-00-0.04	00.05	0-00-0.04	00.04	0-00.01-0.02
May5	0	0-0	0	0-0	0	0-0
Jun6	0.460.23	0-1.390-0.22	0.150.07	0-0.540-0.07	0.090.04	0-0.260-0.04
Jul7	0	0-0	0.03	0-0.070-0.03	0.01	0-0.040-0.01
Aug8	0	0-0	0	0-0	0	0-0
Sep9	0	0-0	0	0-0	0	0-0
Oct10	0	0-0	00.05	0-00-0.03	00.07	0-00.02-0.03
Nov11	2.942.01	0.92-6.380.62-0.98	1.821.52	0.80-3.030.6-0.6	1.100.96	0.57-1.690.4-0.38
Dec12	7.265.41	0.42-20.200.36-4.35	2.591.93	0.27-6.710.24-1.53	1.691.32	0.29-4.140.31-0.83

Table 12.2.6 c: 21. Arklow Bank. Design-based estimates of Common gull density (birds/km<sup>2</sup>) on the sea only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	17.14 11.68	1.59-49.97 0.88-9.15	5.70 3.88	0.64-18.53 0.28-3.05	3.17 2.33	0.24-10.30 0.16-1.76
Feb2	8.04 4.13	0.52-19.98 0.27-2.33	2.66 1.37	0.49-6.06 0.12-0.77	1.50 0.78	0.12-3.44 0.11-0.43
Mar3	0.16 0.31	0-0.47 0-0.25	0.05 0.1	0-0.16 0-0.08	0.03 0.07	0-0.09 0-0.05
Apr4	0.54 0.27	0.04-1.51 0.04-0.16	0.18 0.09	0.05-0.42 0.01-0.06	0.10 0.05	0.01-0.26 0.01-0.03
May5	0	0-0	0.07 0.05	0-0.27 0-0.05	0.04 0.03	0-0.15 0-0.03
Jun6	0	0-0	0	0-0	0	0-0
Jul7	0	0-0	0	0-0	0	0-0
Aug8	0	0-0	0	0-0	0	0-0
Sep9	0	0-0	0	0-0	0	0-0
Oct10	0 0.05	0-0 0-0.05	0 0.02	0-0 0-0.02	0 0.01	0-0 0-0.01
Nov11	3.16 2.16	0.31-6.50 0.1-1.17	1.16 0.86	0.16-2.29 0.1-0.43	0.66 0.49	0.14-1.05 0.08-0.25
Dec12	0.54 0.82	0.14-3 0.05-0.5	0.20 0.29	0-0.50 0.02-0.19	0.12 0.17	0-0.31 0.01-0.11

Table 12.2.7 a-22. Arklow Bank. Design-based estimates of Common scoter density (birds/km<sup>2</sup>km<sup>2</sup>)<sub>r</sub> in flight and on the sea in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0.15	0-0.1	0.05	0-0.03	0.03	0-0.02
Feb	0.15	0-0.15	0.05	0-0.05	0.03	0-0.03
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0.03	0-0.03
May	0	0-0	0	0-0	0	0-0
Jun	0.15	0-0.15	0.05	0-0.05	0.03	0-0.03
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0.03	0-0.03
Nov	0	0-0	0	0-0	0	0-0
Dec	0.21	0-0.15	0.07	0-0.05	0.06	0-0.03

Table ~~12.2.7 b~~ 23. Arklow Bank. Design-based estimates of Common scoter density (birds/~~km<sup>2</sup>~~km<sup>2</sup>)~~r~~ in flight only in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area and 2 km buffer</del> Density	95% c.i.	<del>Array Area and 4 km buffer</del> Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	<del>0-0</del> 0.03	<del>0-0.04</del> 0-0.03
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.7 c-24. Arklow Bank. Design-based estimates of Common scoter density (birds/km<sup>2</sup>km<sup>2</sup>) on the sea only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0.15	0-0.1	0.05	0-0.03	0.03	0-0.02
Feb	0.15	0-0.15	0.05	0-0.05	0.03	0-0.03
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0.03	0-0.03
May	0	0-0	0	0-0	0	0-0
Jun	0.15	0-0.15	0.05	0-0.05	0.03	0-0.03
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0.01	0-0.01
Nov	0	0-0	0	0-0	0	0-0
Dec	0.21	0-0.16	0.07	0-0.05	0.04	0-0.03

Table 12.2.8 a: 25. Arklow Bank. Design-based estimates of Common tern density (birds/ $\text{km}^2\text{km}^2$ ), in flight and on the sea in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0.73	0.38-1.85	0.41	0.24-0.84	0.29	0.2-0.68
May	1.13	0-0.91	0.38	0-0.3	0.22	0-0.5
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0.06	0-0.17
Aug	4.63	2.16-6.25	1.76	0.84-2.66	1.15	0.64-1.92
Sep	0.85	0.23-3.09	1.36	0.46-1.15	1.23	0.33-2.43
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table ~~12.2.8 b~~-26. Arklow Bank. Design-based estimates of Common tern density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), in flight only in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	<del>0</del> 0.73	<del>0-0</del> 1.850.19-0.33	<del>0</del> 0.38	<del>0-0</del> 0.790.14-0.16	<del>0</del> 0.28	<del>0-0</del> 0.600.12-0.1
May	<del>0</del> 1.13	<del>0-0</del> 0-0.9	<del>0</del> 0.38	<del>0-0</del> 0-0.31	<del>0</del> 0.22	<del>0-0</del> 0.40-0.17
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0.06	<del>0-0</del> 0.230-0.06
Aug	<del>1</del> 1.744.07	<del>4</del> 5.420.251.8-1.43	<del>4</del> 31.57	<del>2</del> 137.060.67-0.55	<del>2</del> 91.05	<del>1</del> 634.830.55-0.29
Sep	<del>1</del> 700.85	<del>0</del> 462.930.23-0.33	<del>2</del> 721.36	<del>0</del> 875.210.46-0.54	<del>2</del> 431.23	<del>0</del> 404.820.32-0.59
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.8 c: 27. Arklow Bank. Design-based estimates of Common tern density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), on the sea only in the entire ~~Array~~ consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	<del>0.05</del> 0.03	<del>0.16</del> 0-0.03	<del>0.03</del> 0.01	<del>0.09</del> 0-0.01
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	<del>1.70</del> 0.57	<del>0.15-4.41</del> 0.05-0.33	<del>0.56</del> 0.19	<del>0.05-1.21</del> 0.02-0.11	<del>0.31</del> 0.1	<del>0.03-0.72</del> 0.01-0.07
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.9 a-28. Arklow Bank. Design-based estimates of Cormorant density (birds/ $\text{km}^2$ ), in flight and on the sea in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0.07	0-0.05	0.03	0-0.07	0.04	0-0.02
Feb	0	0-0	0.03	0-0.07	0.01	0-0.04
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0.03	0-0.09
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0.07	0-0.1	0.03	0-0.09	0.04	0-0.02
Oct	0.16	0-0.15	0.05	0-0.20	0.03	0-0.09
Nov	0.07	0-0.07	0.03	0-0.03	0.01	0-0.01
Dec	0.07	0-0.07	0.03	0-0.03	0.01	0-0.01

Table ~~12.2.9 b~~-29. Arklow Bank. Design-based estimates of Cormorant density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), in flight only in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area</del> and <del>2 km</del> buffer Density	95% c.i.	<del>Array Area</del> and <del>4 km</del> buffer Density	95% c.i.
Jan	0	0-0	0	0-0	<del>0</del> 0.01	<del>0-0</del> 0-0.01
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	<del>0</del> 0.05	<del>0-0</del> 0-0.05	<del>0</del> 0.02	<del>0-0</del> 0-0.02	<del>0</del> 0.01	<del>0-0</del> 0-0.01
Oct	<del>0.16</del> 0.15	<del>0-0.47</del> 0-0.15	0.05	<del>0-0.16</del> 0-0.05	0.03	<del>0-0.09</del> 0-0.03
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.9 c: 30. Arklow Bank. Design-based estimates of Cormorant density (birds/ $\text{km}^2$ ), on the sea only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0.07	0-0.05	0.03	0-0.07	0.01	0-0.04
Feb	0	0-0	0.03	0-0.07	0.01	0-0.04
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0.03	0-0.09
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0.07	0-0.05	0.03	0-0.07	0.01	0-0.04
Oct	0	0-0	0	0-0	0	0-0
Nov	0.07	0-0.08	0.03	0-0.03	0.01	0-0.01
Dec	0.07	0-0.07	0.03	0-0.03	0.01	0-0.01

Table ~~12.2.10 a-31~~ 31. Arklow Bank. Design-based estimates of Cormorant / shag density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), in flight and on the sea in the entire ~~Array~~ consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area and 2 km buffer</del> Density	95% c.i.	<del>Array Area and 4 km buffer</del> Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0.15	<del>0-0.46</del> 0-0.15	0.05	<del>0-0.15</del> 0-0.05	0.03	<del>0-0.09</del> 0-0.03
Apr	0	0-0	0	0-0	<del>0-0.3</del> 0.01	<del>0-0.09</del> 0-0.01
May	0.15	<del>0-0.62</del> 0-0.15	0.05	<del>0-0.18</del> 0-0.05	0.03	<del>0-0.14</del> 0-0.03
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0.15	<del>0-0.46</del> 0-0.15	0.05	<del>0-0.21</del> 0-0.05	0.03	<del>0-0.09</del> 0-0.03

Table ~~12.2.10 b~~-32. Arklow Bank. Design-based estimates of Cormorant / shag density (birds/~~km<sup>2</sup>~~km<sup>2</sup>), in flight only in the entire ~~Array~~consent area and buffer zones.

	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
Month	<del>Array Area</del> Density	95% c.i.	<del>Array Area and 2 km buffer</del> Density	95% c.i.	<del>Array Area and 4 km buffer</del> Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table ~~12.2.10 c-33~~ 33. Arklow Bank. Design-based estimates of Cormorant / shag density (birds/ $\text{km}^2$ ), on the sea only in the entire **Array consent** area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area</del> and <del>2 km</del> buffer Density	95% c.i.	<del>Array Area</del> and <del>4 km</del> buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0.15	<del>0-0.46</del> 0-0.16	0.05	<del>0-0.15</del> 0-0.05	0.03	<del>0-0.10</del> 0-0.03
Apr	0	0-0	0	0-0	<del>0-0.03</del> 0.01	<del>0-0.09</del> 0-0.01
May	0.15	<del>0-0.39</del> 0-0.15	0.05	<del>0-0.13</del> 0-0.05	0.03	<del>0-0.11</del> 0-0.03
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0.15	<del>0-0.46</del> 0-0.16	0.05	<del>0-0.15</del> 0-0.05	0.03	<del>0-0.09</del> 0-0.03

Table ~~12.2.11 a-34~~. Arklow Bank. Design-based estimates of Diver species density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), in flight and on the sea in the entire ~~Array~~ consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area</del> and <del>2 km</del> buffer Density	95% c.i.	<del>Array Area</del> and <del>4 km</del> buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0.31	<del>0-0.93</del> 0-0.3	<del>0-10</del> 0.1	<del>0-0.31</del> 0-0.1	0.09	<del>0-0.26</del> 0-0.06
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table ~~12.2.11 b~~-35. Arklow Bank. Design-based estimates of Diver species density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), in flight only in the entire ~~Array~~consent area and buffer zones.

	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
Month	<del>Array Area</del> Density	95% c.i.	<del>Array Area and 2 km buffer</del> Density	95% c.i.	<del>Array Area and 4 km buffer</del> Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table ~~12.2.11 c-~~ 36. Arklow Bank. Design-based estimates of Diver species density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), on the sea only in the entire ~~Array~~ consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area</del> and <del>2 km</del> buffer Density	95% c.i.	<del>Array Area</del> and <del>4 km</del> buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0.31	<del>0-0.93</del> 0-0.31	<del>0-10</del> 0.1	<del>0-0.31</del> 0-0.1	0.09	<del>0-0.24</del> 0-0.06
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table ~~12.2.12 a-37~~. Arklow Bank. Design-based estimates of ~~Fulmar~~European storm petrel density (birds/~~km<sup>2</sup> km<sup>2</sup>~~), in flight and on the sea in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	<del>0.06</del> 0	<del>0.07</del> 0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	<del>0.07</del> 0	<del>0.23</del> 0-0	<del>0.05</del> 0	<del>0.15</del> 0-0	<del>0.04</del> 0	<del>0.11</del> 0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	<del>0.04</del> 0	<del>0.04</del> 0-0
Jul	0	0-0	<del>0.05</del> 0	<del>0.12</del> 0-0	<del>0.03</del> 0	<del>0.07</del> 0-0
Aug	<del>0.15</del> 0	<del>0.0</del> 0-0.15	<del>0.1</del> 0.05	<del>0.26</del> 0-0.05	<del>0.06</del> 0.03	<del>0.13</del> 0-0.03
Sep	<del>0.15</del> 0	<del>0.46</del> 0-0	<del>0.05</del> 0	<del>0.15</del> 0-0	<del>0.03</del> 0	<del>0.09</del> 0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table ~~12.2.12 b~~-38. Arklow Bank. Design-based estimates of ~~Fulmar~~European storm petrel density (birds/~~km<sup>2</sup> km<sup>2</sup>~~), in flight only in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area and 2 km buffer</del> Density	95% c.i.	<del>Array Area and 4 km buffer</del> Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	<del>0.07</del> 0	<del>0.23</del> 0-0	<del>0.05</del> 0	<del>0.16</del> 0-0	<del>0.04</del> 0	<del>0.11</del> 0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	<del>0.03</del> 0	<del>0.07</del> 0-0	<del>0.01</del> 0	<del>0.04</del> 0-0
Aug	<del>0.15</del> 0	<del>0.0</del> 0-0.15	0.05	<del>0.18</del> 0-0.05	0.03	<del>0.11</del> 0-0.03
Sep	<del>0.15</del> 0	<del>0.46</del> 0-0	<del>0.05</del> 0	<del>0.15</del> 0-0	<del>0.03</del> 0	<del>0.09</del> 0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table ~~12.2.12 c-39~~. Arklow Bank. Design-based estimates of ~~Fulmar~~ European storm petrel density (birds/~~km<sup>2</sup> km<sup>2</sup>~~) ~~on the sea only in the entire Array consent area and buffer zones.~~

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area and 2 km buffer</del> Density	95% c.i.	<del>Array Area and 4 km buffer</del> Density	95% c.i.
Jan	0	0-0	0	0-0	<del>0.060</del>	<del>0.0200-0</del>
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	<del>0.040</del>	<del>0.040-0</del>
Jul	0	0-0	<del>0.030</del>	<del>0.070-0</del>	<del>0.040</del>	<del>0.040-0</del>
Aug	0	0-0	<del>0.050</del>	<del>0.150-0</del>	<del>0.030</del>	<del>0.090-0</del>
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.13 a: 40. Arklow Bank. Design-based estimates of ~~Gannet~~Fulmar density (birds/~~km<sup>2</sup>~~km<sup>2</sup>), in flight and on the sea in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0.06	0-0.06
JanFeb	<del>0.07</del> 0	<del>0.02</del> 0-0	0.05	<del>0.02</del> 0-0.05	<del>0.04</del> 0.03	<del>0.02</del> 0-0.03
FebMar	0	0-0	0	0-0	0	0-0
MarApr	<del>0.15</del> 0.05	<del>0.04</del> 0-0.05	<del>0.05</del> 0.03	<del>0.05</del> 0-0.03	<del>0.09</del> 0.03	<del>0.02</del> 0-0.02
AprMay	0	0-0	<del>0.46</del> 0.03	<del>0.12</del> 0-0.03	<del>0.26</del> 0.01	<del>0.08</del> 0-0.01
MayJun	0	0-0	<del>0.03</del> 0	<del>0.05</del> 0-0	<del>0.03</del> 0.01	<del>0.08</del> 0-0.01
Jun	<del>0.30</del>	<del>0.08</del>	<del>0.12</del>	<del>0.03</del>	<del>0.10</del>	<del>0.01</del> 0-0.22
Jul	<del>0.15</del> 0	<del>0.04</del> 0-0	<del>0.08</del> 0.03	<del>0.02</del> 0-0.02	<del>0.07</del> 0.02	<del>0.01</del> 0-0.01
Aug	<del>0.47</del> 0	<del>0.07</del> 0-0.96	<del>0.23</del> 0.1	<del>0.07</del> 0-0.45	<del>0.17</del> 0.06	<del>0.05</del> 0-0.32
Sep	<del>0.16</del> 0.07	<del>0.03</del> 0-0.07	<del>0.16</del> 0.03	<del>0.04</del> 0-0.28	<del>0.15</del> 0.03	<del>0.01</del> 0-0.32
Oct	<del>0.54</del> 0	<del>0.13</del> 0-0	<del>0.21</del> 0	<del>0.05</del> 0-0	<del>0.18</del> 0	<del>0.04</del> 0-0.33
Nov	<del>0.31</del> 0	<del>0.07</del> 0-0	<del>0.10</del> 0	<del>0.02</del> 0-0	<del>0.06</del> 0	<del>0.01</del> 0-0
Dec	<del>0.31</del> 0	<del>0.07</del> 0-0	<del>0.16</del> 0	<del>0.03</del> 0-0	<del>0.12</del> 0	<del>0.02</del> 0-0.25

Table ~~12.2.13 b~~ 41. Arklow Bank. Design-based estimates of ~~Gannet~~Fulmar density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), in flight only in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0.07	0-0.23	0.05	0-0.13	0.04	0-0.12
Feb	0	0-0	0	0-0	0	0-0
Mar	0.15	0-0.46	0.05	0-0.18	0.09	0-0.24
Apr	0	0-0	0.46	0-1.47	0.26	0-0.73
Apr	0.05	0-0.05	0.03	0-0.03	0.03	0-0.02
May	0	0-0	0.03	0-0.07	0.03	0-0.07
Jun	0.23	0-0.74	0.10	0-0.31	0.08	0-0.22
Jul	0.15	0-0.39	0.08	0-0.24	0.07	0-0.15
Aug	0.23	0-0.58	0.13	0-0.26	0.09	0-0.16
Sep	0.07	0-0.27	0.10	0-0.24	0.12	0-0.30
Oct	0.38	0-0.92	0.12	0-0.27	0.12	0-0.22
Nov	0	0-0	0	0-0	0	0-0
Dec	0.15	0-0.46	0.10	0-0.26	0.06	0-0.16

Table ~~12.2.13 c: 42~~. Arklow Bank. Design-based estimates of ~~Gannet~~Fulmar density (birds/ $\text{km}^2$ ) on the sea only in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area and 2 km buffer</del> Density	95% c.i.	<del>Array Area and 4 km buffer</del> Density	95% c.i.
Jan	0	0-0	0	0-0	<del>0</del> 0.06	<del>0-0</del> 0-0.06
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	<del>0.07</del> 0	<del>0-0.27</del> 0-0	<del>0.03</del> 0	<del>0-0.07</del> 0-0	0.01	<del>0-0.04</del> 0-0.01
Jul	0	0-0	0.02	0-0.02	0.01	0-0.01
Aug	0	0-0	0.05	0-0.05	0.03	0-0.03
<del>Jul</del> Sep	0	0-0	0	0-0	0	0-0
<del>Aug</del> Oct	<del>0.23</del> 0	<del>0-0.47</del> 0-0	<del>0.10</del> 0	<del>0-0.22</del> 0-0	<del>0.09</del> 0	<del>0-0.16</del> 0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 43. Arklow Bank. Design-based estimates of Gannet density (birds/km<sup>2</sup>) in flight and on the sea in the entire consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Density	95% c.i.	Density	95% c.i.	Density	95% c.i.
Sep1	0.07	<del>0-0.23</del> 0-0.08	0.05	<del>0-0.14</del> 0-0.04	<del>0-0.03</del> 0.04	<del>0-0.06</del> 0-0.04
Oct2	0.15	<del>0-0.50</del> 0-0.15	<del>0-0.08</del> 0.1	<del>0-0.21</del> 0-0.07	<del>0-0.07</del> 0.14	<del>0-0.18</del> 0.04-0.06
3	0.2	0-0.16	0.08	0-0.07	0.08	0-0.05
4	0.15	0-0.15	0.2	0-0.19	0.12	0-0.1
5	0.12	0-0.09	0.13	0.04-0.06	0.12	0.03-0.06
6	0.19	0-0.16	0.07	0-0.06	0.11	0.01-0.07
7	0.15	0-0.12	0.09	0-0.06	0.09	0.01-0.06
8	0.7	0.04-0.56	0.37	0.07-0.2	0.27	0.08-0.12
9	0.1	0-0.07	0.1	0.02-0.05	0.1	0.02-0.05
10	0.57	0.05-0.34	0.23	0.02-0.12	0.18	0.05-0.08
Nov11	0.31	<del>0-0.77</del> 0-0.21	<del>0-0.10</del> 0.12	<del>0-0.26</del> 0-0.08	<del>0-0.06</del> 0.07	<del>0-0.13</del> 0-0.04
Dec12	<del>0-0.15</del> 0.31	<del>0-0.43</del> 0-0.22	<del>0-0.05</del> 0.16	<del>0-0.18</del> 0-0.1	<del>0-0.06</del> 0.12	<del>0-0.01</del> <del>0-0.14</del> 0.01-0.06

Table 44. Arklow Bank. Design-based estimates of Gannet density (birds/km<sup>2</sup>) in flight only in the entire consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Density	95% c.i.	Density	95% c.i.	Density	95% c.i.
1	0.07	0-0.07	0.05	0-0.04	0.04	0-0.04
2	0.15	0-0.15	0.07	0-0.06	0.06	0-0.04
3	0.2	0-0.17	0.08	0-0.07	0.08	0-0.05
4	0.15	0-0.16	0.2	0-0.18	0.12	0-0.11
5	0.12	0-0.1	0.1	0.01-0.06	0.1	0.01-0.06
6	0.12	0-0.12	0.05	0-0.04	0.09	0.01-0.06
7	0.15	0-0.12	0.09	0-0.06	0.09	0-0.06
8	0.54	0-0.51	0.27	0.03-0.18	0.2	0.04-0.1
9	0.05	0-0.05	0.07	0-0.04	0.08	0.01-0.05
10	0.46	0-0.27	0.17	0.02-0.09	0.13	0.03-0.06
11	0.07	0-0.07	0.05	0-0.04	0.03	0-0.02
12	0.15	0-0.15	0.1	0-0.08	0.06	0-0.04

Table 45. Arklow Bank. Design-based estimates of Gannet density (birds/km<sup>2</sup>) on the sea only in the entire consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Density	95% c.i.	Density	95% c.i.	Density	95% c.i.
1	0	0-0	0	0-0	0	0-0
2	0	0-0	0.03	0-0.03	0.09	0.03-0.04
3	0	0-0	0	0-0	0	0-0
4	0	0-0	0	0-0	0	0-0
5	0	0-0	0.01	0-0.01	0.01	0-0.01
6	0.07	0-0.07	0.03	0-0.03	0.01	0-0.01
7	0	0-0	0	0-0	0.01	0-0.01
8	0.15	0-0.1	0.1	0.01-0.06	0.07	0.01-0.04
9	0.05	0-0.05	0.03	0-0.02	0.02	0-0.01
10	0.1	0-0.1	0.05	0-0.04	0.05	0-0.03
11	0.23	0-0.18	0.07	0-0.06	0.04	0-0.04
12	0.15	0-0.15	0.05	0-0.05	0.06	0-0.04

Table 12.2.14 a: 46. Arklow Bank. Design-based estimates of Great black-backed gull density (birds/km<sup>2</sup> km<sup>2</sup>), in flight and on the sea in the entire Array consent area and buffer zones.

Month	Density									
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer					
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.				
Jan1	0.31	0.16	0.77	0.11	0.05	0.04	0.06	0.03	0.14	0.02
Feb2	0	0-0	0.02	0-0	0.02	0-0.02	0.02	0-0	0.01	0-0.01
Mar3	0	0-0	0.03	0.01	0.09	0-0.01	0.01	0-0	0.04	0-0.01
Apr4	0	0-0	0	0-0	0	0-0	0	0-0	0	0-0
May5	0	0-0	0	0-0	0	0-0	0.03	0-0	0.03	0-0.03
Jun6	0	0-0	0	0-0	0	0-0	0	0-0	0	0-0
Jul7	0	0-0	0	0-0	0	0-0	0.01	0-0	0.04	0-0.01
Aug8	0	0-0	0	0-0	0	0-0	0	0-0	0	0-0
Sep9	0.07	0.05	0.23	0-0.05	0.03	0-0.03	0.04	0.02	0.04	0-0.02
Oct10	0	0-0	0	0-0	0	0-0	0.01	0-0	0.04	0-0.01
Nov11	0.23	0.15	0.7	0-0.15	0.07	0-0.05	0.04	0.07	0.13	0-0.06
Dec12	0.07	0.05	0.23	0-0.05	0.05	0-0.03	0.03	0.02	0.09	0-0.02

Table 12.2.14 b: 47. Arklow Bank. Design-based estimates of Great black-backed gull density (birds/km<sup>2</sup> km<sup>2</sup>), in flight only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	0.15	0.07	0.46	0.08	0.03	0.01
Feb2	0	0-0	0.02	0-0.02	0.01	0-0.01
Mar3	0	0-0	0.03	0.01	0.01	0-0.04
Apr4	0	0-0	0	0-0	0	0-0
May5	0	0-0	0	0-0	0.03	0-0.03
Jun6	0	0-0	0	0-0	0	0-0
Jul7	0	0-0	0	0-0	0.01	0-0.04
Aug8	0	0-0	0	0-0	0	0-0
Sep9	0	0-0	0	0-0	0	0-0
Oct10	0	0-0	0	0-0	0.01	0-0.04
Nov11	0	0-0	0	0-0	0	0-0
Dec12	0	0-0	0	0-0	0	0-0

Table 12.2.14 c: 48. Arklow Bank. Design-based estimates of Great black-backed gull density (birds/km<sup>2</sup>km<sup>2</sup>) on the sea only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	0.15	0-0.07	0.05	0-0.03	0.03	0-0.01
Feb2	0	0-0	0	0-0	0.01	0-0.01
Mar3	0	0-0	0	0-0	0	0-0
Apr4	0	0-0	0	0-0	0	0-0
May5	0	0-0	0	0-0	0	0-0
Jun6	0	0-0	0	0-0	0	0-0
Jul7	0	0-0	0	0-0	0	0-0
Aug8	0	0-0	0	0-0	0	0-0
Sep9	0.07	0-0.05	0.03	0-0.03	0.04	0-0.02
Oct10	0	0-0	0	0-0	0	0-0
Nov11	0.23	0-0.15	0.07	0-0.05	0.04	0-0.07
Dec12	0.07	0-0.05	0.05	0-0.03	0.03	0-0.02

Table 12.2.15 a: 49. Arklow Bank. Design-based estimates of Great northern diver density (birds/~~km<sup>2</sup> km<sup>2</sup>~~), in flight and on the sea in the entire ~~Array consent~~ area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area and 2 km buffer</del> Density	95% c.i.	<del>Array Area and 4 km buffer</del> Density	95% c.i.
Jan	0.15	<del>0-0.46</del> 0-0.15	0.05	<del>0-0.15</del> 0-0.05	0.06	<del>0-0.13</del> 0-0.04
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	<del>0</del> 0.03	<del>0-0</del> 0-0.03	<del>0</del> 0.01	<del>0-0</del> 0-0.01
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0.15	<del>0-0.46</del> 0-0.16	0.05	<del>0-0.15</del> 0-0.05	0.03	<del>0-0.09</del> 0-0.03

Table ~~12.2.15-b~~-50. Arklow Bank. Design-based estimates of Great northern diver density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), in flight only in the entire ~~Array consent~~ area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table ~~12.2.15 c-51~~. Arklow Bank. Design-based estimates of Great northern diver density (birds/~~km<sup>2</sup>km<sup>2</sup>~~) ~~on the sea only in the entire Array consent area and buffer zones.~~

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area and 2 km buffer</del> Density	95% c.i.	<del>Array Area and 4 km buffer</del> Density	95% c.i.
Jan	0.15	<del>0-0.46</del> 0-0.16	0.05	<del>0-0.15</del> 0-0.05	0.06	<del>0-0.11</del> 0-0.04
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	<del>0</del> 0.03	<del>0-0</del> 0-0.03	<del>0</del> 0.01	<del>0-0</del> 0-0.01
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0.15	<del>0-0.46</del> 0-0.15	0.05	<del>0-0.21</del> 0-0.05	0.03	<del>0-0.09</del> 0-0.03

Table ~~12.2.16 a~~-52. Arklow Bank. Design-based estimates of Guillemot density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), in flight and on the sea in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	<del>64.83</del> 50.94	<del>43.27-98.39</del> 28.24-13.06	<del>26.06</del> 20.47	<del>18.12-35.52</del> 12.59-4.26	<del>15.05</del> 12.02	<del>10.22-21.98</del> 7.85-2.41
Feb2	<del>24.39</del> 15.85	<del>10.6-43.33</del> 6.15-6.49	<del>9.79</del> 6.6	<del>4.35-15.93</del> 2.9-2.24	<del>5.94</del> 4	<del>3.34-9.32</del> 1.95-1.24
Mar3	<del>0.20</del> 0.51	<del>0.05-10.05</del> 0-0.29	<del>0.24</del> 0.45	<del>0.06-0.47</del> 0.13-0.2	<del>0.20</del> 0.43	<del>0.07-0.36</del> 0.16-0.16
Apr4	<del>1.83</del> 4.22	<del>0.61-3.20</del> 1.78-1.39	<del>1.52</del> 2.29	<del>0.96-2.23</del> 1.28-0.57	<del>1.64</del> 2.11	<del>1.05-2.35</del> 1.41-0.4
May5	<del>11.38</del> 65.33	<del>6.45-17.19</del> 15.04-35.36	<del>15.56</del> 46.21	<del>11.37-20.56</del> 25.13-13.24	<del>18.10</del> 36.98	<del>13.24-25.21</del> 24-8.29
Jun6	<del>0.81</del> 2.08	<del>0.05-1.98</del> 0.71-0.76	<del>0.78</del> 2.16	<del>0.34-1.35</del> 1.31-0.46	<del>0.88</del> 2.28	<del>0.48-1.34</del> 1.61-0.37
Jul7	<del>8.47</del> 13.11	<del>5.04-12.81</del> 8.03-2.88	<del>10.31</del> 14.2	<del>7.18-13.18</del> 10.6-1.96	<del>11.97</del> 17.39	<del>9.61-15.37</del> 14.12-1.74
Aug8	<del>32.21</del> 19.56	<del>21.02-45.76</del> 11.53-4.71	<del>25.41</del> 18.24	<del>18.55-32.92</del> 13.09-2.88	<del>22.09</del> 17.06	<del>17.72-26.83</del> 13.4-2.02
Sep9	<del>14.33</del> 11.52	<del>8.22-22.55</del> 6.03-3.12	<del>13.54</del> 12.02	<del>10.46-16.80</del> 8.86-1.76	<del>14.04</del> 12.08	<del>11.50-17.27</del> 9.77-1.29
Oct10	<del>16.87</del> 17.68	<del>9.2-26.70</del> 9.82-4.8	<del>11.00</del> 11.45	<del>6.44-16.02</del> 7.83-2.09	<del>9.56</del> 9.98	<del>6.86-13.06</del> 7.66-1.39
Nov11	<del>28.96</del> 20.79	<del>13.25-51.46</del> 9.82-6.77	<del>24.44</del> 17.73	<del>17.02-34.35</del> 11.09-3.76	<del>17.72</del> 13.68	<del>12.40-24.26</del> 9.67-2.2
Dec12	<del>9.35</del> 18.63	<del>3.55-16.87</del> 6.98-6.78	<del>5.03</del> 8.21	<del>2.62-8.37</del> 4.14-2.38	<del>3.43</del> 6.08	<del>2.18-4.93</del> 3.77-1.35

Table ~~12.2.16 b~~-53. Arklow Bank. Design-based estimates of Guillemot density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), in flight only in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	<del>4.57</del> 3.66	<del>1.52-8.23</del> 0.95-1.7	<del>3.18</del> 2.43	<del>1.50-5.26</del> 1.15-0.75	<del>1.92</del> 1.55	<del>1.12-3.05</del> 0.79-0.43
Feb2	<del>0.20</del> 0.26	<del>0-0.51</del> 0-0.18	<del>0.20</del> 0.23	<del>0-0.6-0.42</del> 0.04-0.12	0.17	<del>0-0.4-0.30</del> 0.05-0.07
Mar3	0	0-0	<del>0</del> 0.1	<del>0-0</del> 0-0.1	<del>0</del> 0.12	<del>0-0</del> 0-0.1
Apr4	<del>0.30</del> 0.56	<del>0-0.71</del> 0-0.43	<del>0.14</del> 0.23	<del>0-0.33</del> 0.02-0.16	<del>0.17</del> 0.3	<del>0-0.6-0.34</del> 0.07-0.13
May5	<del>1.02</del> 0.76	<del>0.30-2.19</del> 0.2-0.39	<del>0.64</del> 0.62	<del>0.3-1.04</del> 0.25-0.24	<del>0.78</del> 0.63	<del>0.36-1.08</del> 0.31-0.2
Jun6	<del>0</del> 0.1	<del>0-0</del> 0-0.1	<del>0-0</del> 0.1	<del>0-0.10</del> 0-0.07	<del>0-0</del> 0.17	<del>0-0.18</del> 0.04-0.09
Jul7	<del>0.41</del> 0.51	<del>0-0.98</del> 0-0.38	<del>0.16</del> 0.22	<del>0-0.2-0.34</del> 0.04-0.14	<del>0.16</del> 0.21	<del>0-0.4-0.32</del> 0.05-0.1
Aug8	0	0-0	0	0-0	0	0-0
Sep9	0	0-0	0	0-0	0	0-0
Oct10	<del>0</del> 0.27	<del>0-0</del> 0-0.13	<del>0.13</del> 0.38	<del>0-0.34</del> 0.07-0.21	<del>0-0</del> 0.23	<del>0-0.18</del> 0.05-0.12
Nov11	<del>3.35</del> 2.3	<del>1.22-7.27</del> 0.61-1.13	<del>1.28</del> 0.9	<del>0.48-2.42</del> 0.32-0.38	<del>0.82</del> 0.6	<del>0.35-1.42</del> 0.26-0.23
Dec12	<del>0.41</del> 0.68	<del>0-0.92</del> 0.13-0.38	<del>0.24</del> 0.36	<del>0-0.6-0.46</del> 0.11-0.15	<del>0.21</del> 0.43	<del>0.10-0.41</del> 0.19-0.14

Table 12.2.16 c-54. Arklow Bank. Design-based estimates of Guillemot density (birds/km<sup>2</sup>km<sup>2</sup>), on the sea only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	60.2647.28	34.62-92.8625.81-12.63	22.8818.04	15.37-33.4010.62-4.1	13.1310.47	7.12-18.006.49-2.35
Feb2	24.4915.6	9.43-52.455.94-6.31	9.596.36	4.25-16.132.9-2.25	5.773.83	3.16-9.701.8-1.28
Mar3	0.200.51	0-0.510.05-0.28	0.240.35	0.09-0.460.12-0.14	0.200.31	0.06-0.400.12-0.1
Apr4	1.523.66	0.51-2.901.43-1.32	1.392.06	0.76-1.971.11-0.54	1.461.81	0.90-2.091.14-0.37
May5	10.3764.57	6.29-15.8315.13-33.48	14.9145.59	11.08-20.3024.75-13.58	17.3436.35	13.04-22.2123.56-7.99
Jun6	0.811.98	0.10-1.780.71-0.75	0.742.06	0.23-1.391.21-0.47	0.802.11	0.40-1.231.46-0.36
Jul7	8.0612.6	4.87-13.087.57-2.84	10.1513.99	7.27-13.4610.34-1.96	11.8117.18	8.90-14.6514.06-1.73
Aug8	32.2119.56	19.20-45.7111.28-4.68	25.4118.24	18.86-33.3813.24-2.84	22.0917.06	18.43-26.9913.43-2.03
Sep9	14.3311.52	8.73-20.964.3-3.02	13.5412.02	9.70-18.308.7-1.71	14.0412.08	11.09-16.749.67-1.3
Oct10	16.8717.41	9.66-27.659.28-4.92	10.8711.07	7.00-14.697.6-2.1	9.489.75	7.17-12.657.4-1.38
Nov11	25.6118.49	11.98-44.578.4-6.18	23.1516.83	14.73-32.9210.48-3.59	16.8813.08	11.32-22.169.26-2.17
Dec12	8.9417.95	3.45-16.416.64-6.66	4.807.85	2.56-7.663.94-2.32	3.235.66	1.75-4.773.38-1.33

Table ~~12.2.17 a-55~~. Arklow Bank. Design-based estimates of Herring gull density (birds/ $\text{km}^2\text{km}^2$ ), in flight and on the sea in the entire ~~Array consent~~ area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	0.05	0-0.05	0.02	0-0.02	0.03	0-0.04
Feb2	0.15	0-0.54	0.05	0-0.15	0.03	0-0.10
Mar3	0.04	0-0.04	0.03	0-0.07	0.04	0-0.04
Apr4	0.08	0-0.05	0.04	0-0.03	0.02	0-0.01
May5	0	0-0	0.04	0-0.03	0.03	0-0.02
Jun6	0	0-0	0.03	0-0.09	0.04	0-0.09
Jul7	0	0-0	0.03	0-0.09	0.03	0-0.08
Aug8	0.12	0-0.08	0.04	0-0.03	0.04	0-0.03
Sep9	0	0-0	0	0-0	0.02	0-0.02
Oct10	0	0-0	0	0-0	0.01	0-0.01
Nov11	0.23	0-0.62	0.10	0-0.26	0.08	0-0.20
Dec12	0	0-0	0	0-0	0.01	0-0.01

Table ~~12.2.17 b~~-56. Arklow Bank. Design-based estimates of Herring gull density (birds/ $\text{km}^2\text{km}^2$ ), in flight only in the entire **Array consent** area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	0	0-0	0	0-0	<del>0.01</del> 0.02	<del>0.0.04</del> 0-0.02
Feb2	<del>0.07</del> 0.04	<del>0.0.27</del> 0-0.04	<del>0.03</del> 0.04	<del>0.0.07</del> 0-0.03	<del>0.01</del> 0.03	<del>0.0.05</del> 0-0.03
Mar3	<del>0</del> 0.04	<del>0.00</del> 0-0.04	<del>0.03</del> 0.05	<del>0.0.07</del> 0-0.04	<del>0.01</del> 0.04	<del>0.0.04</del> 0.01-0.02
Apr4	<del>0</del> 0.08	<del>0.00</del> 0-0.06	<del>0</del> 0.04	<del>0.00</del> 0-0.03	<del>0</del> 0.02	<del>0.00</del> 0-0.01
May5	0	0-0	0	0-0	<del>0</del> 0.01	<del>0.00</del> 0-0.01
Jun6	0	0-0	<del>0.03</del> 0.01	<del>0.0.07</del> 0-0.01	0.01	<del>0.0.04</del> 0-0.01
Jul7	0	0-0	0.03	<del>0.0.09</del> 0-0.02	0.03	<del>0.0.08</del> 0-0.02
Aug8	<del>0</del> 0.12	<del>0.00</del> 0-0.08	<del>0</del> 0.04	<del>0.00</del> 0-0.03	<del>0</del> 0.04	<del>0.00</del> 0-0.03
Sep9	0	0-0	0	0-0	<del>0</del> 0.02	<del>0.00</del> 0-0.02
Oct10	0	0-0	0	0-0	<del>0</del> 0.01	<del>0.00</del> 0-0.01
Nov11	<del>0.07</del> 0.05	<del>0.0.23</del> 0-0.05	<del>0.03</del> 0.05	<del>0.0.06</del> 0-0.05	<del>0.04</del> 0.07	<del>0.0.12</del> 0-0.06
Dec12	0	0-0	0	0-0	<del>0</del> 0.01	<del>0.00</del> 0-0.01

Table ~~12.2.17 c-57~~. Arklow Bank. Design-based estimates of Herring gull density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), on the sea only in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	0.05	0-0.05	0.02	0-0.02	0.01	0-0.01
Feb2	0.04	0-0.04	0.01	0-0.01	0.01	0-0.01
Mar3	0	0-0	0	0-0	0.03	0-0.03
Apr4	0	0-0	0	0-0	0	0-0
May5	0	0-0	0.04	0-0.03	0.02	0-0.01
Jun6	0	0-0	0.01	0-0.01	0.02	0-0.02
Jul7	0	0-0	0	0-0	0	0-0
Aug8	0	0-0	0	0-0	0	0-0
Sep9	0	0-0	0	0-0	0	0-0
Oct10	0	0-0	0	0-0	0	0-0
Nov11	0.1	0-0.1	0.07	0-0.05	0.04	0-0.03
Dec12	0	0-0	0	0-0	0	0-0

Table 12.2.18 a-58. Arklow Bank. Design-based estimates of Kittiwake density (birds/km<sup>2</sup>km<sup>2</sup>)<sub>f</sub> in flight and on the sea in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	82.4758.53	32.77-164.6419.91-22.6	27.8819.92	9.94-47.876.61-7.63	15.6411.33	5.62-27.204.19-4.25
Feb2	44.4461.81	44.72-197.9423.54-20.92	38.4420.9	9.68-66.058.53-7.15	21.3011.79	8.54-33.024.89-3.88
Mar3	2.8654.67	0.77-5.4912.96-27.68	1.8418.89	0.92-2.994.97-9.22	1.5310.93	0.80-2.243.15-5.05
Apr4	29.0447.53	11.67-4722.97-15.07	10.8019.14	6.16-17.3210.12-5.28	6.5011.42	3.36-10.296.38-2.96
May5	41.367.38	3.54-21.372.55-3.09	6.084.13	3.45-9.842.09-1.2	4.262.92	2.66-6.221.76-0.69
Jun6	0.925.21	0.31-1.842.08-1.96	0.332.12	0.10-0.671.04-0.7	0.381.46	0.19-0.640.71-0.44
Jul7	2.322.01	0.85-4.200.62-0.81	1.981.81	0.90-3.650.81-0.6	1.441.39	0.71-2.540.7-0.44
Aug8	10.965.75	1.77-25.761.04-2.98	4.032.15	1.04-6.860.6-1	2.621.47	0.95-4.560.5-0.6
Sep9	1.000.82	0.23-2.160.05-0.42	0.620.55	0.26-1.050.2-0.21	0.410.49	0.20-0.690.23-0.16
Oct10	15.1415.8	0.89-42.252.37-10.92	5.446.39	0.52-14.671.43-3.86	3.123.66	0.42-8.250.82-2.24
Nov11	50.0533.46	7.04-106.024.89-17.52	18.4412.74	5.60-36.852.72-6.56	10.827.52	4.44-20.642.01-3.51
Dec12	23.6328.73	5.46-53.999.26-12.87	16.6215.49	2.66-37.324.2-7.65	9.418.8	1.20-23.102.4-4.25

Table 12.2.18-b-59. Arklow Bank. Design-based estimates of Kittiwake density (birds/ $\text{km}^2$ ) in flight only in the entire Array consent area and buffer zones.

Month	Density											
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer							
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.						
Jan1	14.98	12.41	6.10-24.09	4.84-4.44	5.52	4.53	2.50-9.89	1.86-1.54	3.20	2.71	1.62-5.36	1.25-0.89
Feb2	79.00	41.97	33.19-147.95	16.17-14.28	26.44	14.18	11.25-44.67	5.86-4.79	14.79	8.01	6.61-26.05	3.6-2.65
Mar3	1.85	11.43	0.42-4.36	4.63-4.05	1.16	4.22	0.58-2.06	1.77-1.38	1.03	2.7	0.54-1.68	1.31-0.81
Apr4	1.54	8.61	0.31-3.24	4.48-2.46	0.89	4.53	0.41-1.56	2.73-1.01	0.64	2.99	0.33-0.97	1.91-0.59
May5	3.48	2.82	1.27-6.88	1.12-1.06	2.20	1.79	1.27-3.22	0.96-0.46	1.71	1.38	1.16-2.40	0.88-0.28
Jun6	0.38	2.51	0.04-0.96	1.08-0.88	0.16	1.19	0.05-0.33	0.63-0.32	0.23	0.83	0.11-0.38	0.44-0.22
Jul7	1.23	1.08	0.18-2.58	0.23-0.56	0.68	0.73	0.33-1.25	0.3-0.24	0.47	0.58	0.23-0.80	0.3-0.16
Aug8	1.31	0.89	0.58-2.20	0.27-0.42	0.69	0.48	0.38-1.04	0.18-0.17	0.62	0.43	0.38-0.92	0.23-0.12
Sep9	0.92	0.77	0.23-1.90	0.05-0.43	0.56	0.51	0.21-0.99	0.17-0.21	0.39	0.45	0.16-0.62	0.2-0.15
Oct10	2.32	2.88	0.7-4.36	1.08-1.1	1.16	1.64	0.52-2.00	0.82-0.51	0.73	1.01	0.29-1.21	0.52-0.29
Nov11	8.96	6.02	3.43-16.66	2.06-2.5	4.80	3.23	2.26-7.99	1.47-1.04	2.81	1.95	1.59-4.78	0.91-0.64
Dec12	17.61	19.05	3.61-41.61	4.48-10.02	6.41	6.77	1.29-15.58	1.9-3.34	3.71	3.94	0.83-8.47	1.19-1.9

Table 12.2.18 c-60. Arklow Bank. Design-based estimates of Kittiwake density (birds/km<sup>2</sup>km<sup>2</sup>) on the sea only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	67.1846.13	18.55-123.1012.96-19.24	22.3615.39	8.18-47.384.55-6.43	12.458.62	4.00-20.642.51-3.57
Feb2	35.1319.84	12.3-63.446.52-7.78	11.676.72	3.72-21.392.31-2.55	6.513.77	2.02-12.561.49-1.42
Mar3	1.0043.24	0.19-2.017.1-24.68	0.7014.67	0.18-1.162.82-8.09	0.508.22	0.23-0.781.57-4.51
Apr4	27.4938.92	11.02-49.8516.29-13.88	9.9014.62	5.19-15.826.87-4.78	5.858.43	2.65-9.234.04-2.71
May5	7.884.56	1.65-17.860.85-2.42	3.882.33	1.44-7.970.85-0.96	2.561.55	1.3-4.730.68-0.56
Jun6	0.542.7	0.07-1.230.73-1.28	0.180.92	0.01-0.480.28-0.43	0.160.63	0.04-0.340.2-0.27
Jul7	1.080.93	0.10-2.300.12-0.5	1.301.08	0.39-2.540.3-0.48	0.970.8	0.41-2.130.24-0.37
Aug8	9.654.86	1.45-20.700.66-2.59	3.341.68	1.23-7.380.28-0.84	2.001.04	0.36-4.070.25-0.49
Sep9	0.070.05	0-0.230-0.05	0.050.03	0-0.160-0.03	0.030.04	0-0.080-0.03
Oct10	12.8212.92	0-38.460.67-10.83	4.284.75	0-12.850.32-3.72	2.402.66	0-7.180.16-2.04
Nov11	41.0827.44	4.78-88.462.98-16.28	13.649.51	2.51-33.420.96-5.88	8.015.57	1.31-14.430.81-3.21
Dec12	6.029.68	0.31-16.581.9-5.17	10.208.72	0.16-22.470.96-5.74	5.704.86	0.10-14.090.54-3.08

Table ~~12.2.19 a-61~~. Arklow Bank. Design-based estimates of Lesser black-backed gull density (birds/~~km<sup>2</sup> km<sup>2</sup>~~), in flight and on the sea in the entire ~~Array consent~~ area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	0	0-0	0	0-0	0	0-0
Feb2	0	0-0	0	0-0	0	0-0
Mar3	<del>0</del> 0.12	<del>0-0</del> 0-0.09	<del>0</del> 0.06	<del>0-0</del> 0-0.05	0.07	<del>0-0</del> 0-0.06
Apr4	0	0-0	0	0-0	<del>0</del> 0.01	<del>0-0</del> 0-0.01
May5	0	0-0	0	0-0	0	0-0
Jun6	0	0-0	0	0-0	0	0-0
Jul7	0	0-0	0	0-0	<del>0</del> 0.01	<del>0-0</del> 0-0.01
Aug8	0	0-0	0	0-0	<del>0</del> 0.02	<del>0-0</del> 0-0.02
Sep9	0	0-0	0	0-0	0	0-0
Oct10	0	0-0	0	0-0	0	0-0
Nov11	0	0-0	<del>0</del> 0.03	<del>0-0</del> 0-0.03	<del>0</del> 0.01	<del>0-0</del> 0-0.01
Dec12	0	0-0	0	0-0	0	0-0

Table ~~12.2.19-b-62~~. Arklow Bank. Design-based estimates of Lesser black-backed gull density (birds/~~km<sup>2</sup> km<sup>2</sup>~~), in flight only in the entire ~~Array consent~~ area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	0	0-0	0	0-0	0	0-0
Feb2	0	0-0	0	0-0	0	0-0
Mar3	<del>0</del> 0.12	<del>0-0</del> 0-0.09	<del>0</del> 0.06	<del>0-0</del> 0-0.05	0.07	<del>0-0</del> 0-0.06
Apr4	0	0-0	0	0-0	<del>0</del> 0.01	<del>0-0</del> 0-0.01
May5	0	0-0	0	0-0	0	0-0
Jun6	0	0-0	0	0-0	0	0-0
Jul7	0	0-0	0	0-0	0	0-0
Aug8	0	0-0	0	0-0	<del>0</del> 0.02	<del>0-0</del> 0-0.01
Sep9	0	0-0	0	0-0	0	0-0
Oct10	0	0-0	0	0-0	0	0-0
Nov11	0	0-0	0	0-0	0	0-0
Dec12	0	0-0	0	0-0	0	0-0

Table ~~12.2.19 c-63~~. Arklow Bank. Design-based estimates of Lesser black-backed gull density (birds/~~km<sup>2</sup>km<sup>2</sup>~~) ~~on the sea only in the entire Array consent area and buffer zones.~~

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	0	0-0	0	0-0	0	0-0
Feb2	0	0-0	0	0-0	0	0-0
Mar3	0	0-0	0	0-0	0	0-0
Apr4	0	0-0	0	0-0	0	0-0
May5	0	0-0	0	0-0	0	0-0
Jun6	0	0-0	0	0-0	0	0-0
Jul7	0	0-0	0	0-0	<del>0</del> 0.01	<del>0-0</del> 0-0.01
Aug8	0	0-0	0	0-0	0	0-0
Sep9	0	0-0	0	0-0	0	0-0
Oct10	0	0-0	0	0-0	0	0-0
Nov11	0	0-0	<del>0</del> 0.03	<del>0-0</del> 0-0.03	<del>0</del> 0.01	<del>0-0</del> 0-0.01
Dec12	0	0-0	0	0-0	0	0-0

Table 12.2.20 a: 64. Arklow Bank. Design-based estimates of little gull density (birds/km<sup>2</sup>km<sup>2</sup>), in flight and on the sea in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	11.73 15.55	0.31-24.06 1.03-9.72	3.90 5.18	0.10-9.27 0.39-3.13	2.17 2.92	0.05-5.25 0.24-1.75
Feb	5.72 5.52	0.23-15.88 0.77-3.83	1.95 1.87	0.12-5.18 0.27-1.24	1.10 1.05	0.05-3.04 0.15-0.7
Mar	3.55 1.95	0.15-8.80 0.05-1.34	2.15 0.99	0.79-3.82 0.26-0.49	1.28 0.58	0.57-2.34 0.17-0.28
Apr	0 0.38	0-0 0-0.26	0 0.16	0-0 0-0.1	0 0.09	0-0 0-0.06
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0.05 0.1	0-0.16 0-0.08	0.03 0.06	0-0.13 0-0.04
Aug	0.38	0-1.20 0-0.26	0.16	0.03-0.34 0.03-0.09	0.10 0.1	0.02-0.20 0.03-0.05
Sep	3.86 2.68	0.23-9.25 0.1-1.71	1.49 1.04	0.17-3.20 0.15-0.58	0.91 0.67	0.26-1.83 0.14-0.38
Oct	8.27 7.31	1.04-17.25 1.24-3.77	3.21 2.82	0.54-6.64 0.68-1.33	1.87 1.63	0.47-4.14 0.43-0.75
Nov	12.04 11.74	4.78-21.94 4.02-4.54	4.18 4.02	1.38-7.72 1.47-1.53	2.98 2.68	1.36-4.78 1.13-0.9
Dec	16.14 17.61	2.56-36.92 3.5-8.26	6.87 6.85	0.23-18.55 1.23-3.48	3.85 3.84	0.32-9.14 0.68-1.95

Table ~~12.2.20-b-65~~. Arklow Bank. Design-based estimates of little gull density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), in flight only in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	<del>7.72</del> 11.84	<del>0.31-19.13</del> 1.18-7.13	<del>2.56</del> 3.95	<del>0.07-6.32</del> 0.32-2.4	<del>1.43</del> 2.23	<del>0.06-3.64</del> 0.26-1.33
Feb	<del>1.31</del> 2.24	<del>0.07-3.48</del> 0.5-1.25	<del>0.46</del> 0.77	<del>0.05-1.18</del> 0.15-0.43	<del>0.26</del> 0.43	<del>0.01-0.69</del> 0.09-0.23
Mar	<del>3.40</del> 1.39	<del>0.9-9.0</del> 0-0.89	<del>1.80</del> 0.7	<del>0.51-3.54</del> 0.21-0.31	<del>1.03</del> 0.4	<del>0.41-2.04</del> 0.12-0.17
Apr	<del>0.07</del>	<del>0-0</del> 0-0.07	<del>0.05</del>	<del>0-0</del> 0-0.04	<del>0.03</del>	<del>0-0</del> 0-0.02
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	<del>0.05</del> 0.1	<del>0-0.16</del> 0-0.07	<del>0.03</del> 0.06	<del>0-0.09</del> 0-0.04
Aug	0.38	<del>0-0.92</del> 0-0.24	0.13	<del>0-0.32</del> 0-0.07	0.09	<del>0.01-0.17</del> 0.01-0.05
Sep	<del>2.47</del> 1.75	<del>0.07-6.03</del> 0.05-1.33	<del>1.01</del> 0.7	<del>0.09-2.70</del> 0.07-0.46	<del>0.64</del> 0.45	<del>0.16-1.39</del> 0.09-0.26
Oct	<del>2.86</del> 3.19	<del>0.16-6.95</del> 0.46-1.92	<del>1.39</del> 1.42	<del>0.22-2.99</del> 0.34-0.76	0.84	<del>0.14-1.88</del> 0.21-0.42
Nov	<del>7.96</del> 7.83	<del>1.97-15.96</del> 2.01-3.57	<del>2.74</del> 2.67	<del>0.71-5.18</del> 0.8-1.15	<del>1.67</del> 1.58	<del>0.58-3.49</del> 0.52-0.66
Dec	<del>14.99</del> 16.47	<del>0.88-29.62</del> 3.29-7.75	<del>5.74</del> 5.98	<del>0.30-13.51</del> 1.13-3.08	<del>3.22</del> 3.35	<del>0.30-7.62</del> 0.61-1.75

Table 12.2.20 c: 66. Arklow Bank. Design-based estimates of little gull density (birds/km<sup>2</sup>km<sup>2</sup>)<sub>r</sub> on the sea only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	4.023.71	0.9.650-2.69	1.331.23	0.3.940-0.83	0.740.68	0.011.840-0.5
Feb	4.403.28	0.16-14.050.07-2.73	1.481.1	0.05-3.950.04-0.9	0.840.62	0.05-2.320.03-0.5
Mar	0.150.56	0.0.460-0.58	0.360.29	0.05-0.690.02-0.23	0.260.18	0.03-0.500.02-0.13
Apr	0.031	0.00-0.19	0.01	0.00-0.06	0.06	0.00-0.04
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0.03	0.0.070-0.03	0.01	0.0.040-0.01
Sep	1.390.93	0.30-3.400-0.58	0.480.34	0.06-1.130.02-0.22	0.270.23	0.0.640.01-0.15
Oct	5.404.12	0.42-15.940.26-2.84	1.831.4	0.14-4.970.1-0.91	1.020.79	0.09-2.740.08-0.54
Nov	4.093.91	1.62-7.041.08-1.67	1.441.35	0.55-2.480.37-0.56	1.311.1	0.60-2.140.35-0.41
Dec	1.08	0.3.020-0.74	1.100.86	0.03-2.540.03-0.57	0.640.47	0.09-1.440.02-0.31

Table ~~12.2.21 a-67~~. Arklow Bank. Design-based estimates of Manx shearwater density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), in flight and on the sea in the entire ~~Array~~ consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	<del>0</del> 0.01	<del>0-0</del> 0-0.01
Apr	<del>6.33</del> 3.7	<del>1.20-13.25</del> 0.77-1.88	<del>3.47</del> 2.36	<del>1.23-6.03</del> 0.91-0.93	<del>3.30</del> 2.11	<del>1.92-5.04</del> 1.06-0.63
May	<del>1.23</del> 4.44	<del>0.26-2.59</del> 0.19-3.52	<del>8.52</del> 5.74	<del>2.99-15.94</del> 1.3-3.01	<del>8.97</del> 5.44	<del>4.18-14.59</del> 2.21-2.04
Jun	<del>7.34</del> 4.52	<del>1.74-16.27</del> 1-2.29	<del>2.46</del> 2.32	<del>0.33-6.15</del> 0.76-1.01	<del>1.40</del> 1.62	<del>0.34-3.19</del> 0.67-0.6
Jul	<del>0.25</del> 1.43	<del>0-0.72</del> 0.19-0.79	<del>0.75</del> 1.34	<del>0.05-1.68</del> 0.42-0.6	<del>2.34</del> 2.6	<del>0.39-5.31</del> 0.76-1.2
Aug	<del>15.68</del> 8.03	<del>1.97-36.88</del> 1.27-4.2	<del>7.05</del> 4.13	<del>2.10-14.88</del> 1.3-1.67	<del>5.01</del> 3.24	<del>1.80-9.15</del> 1.31-1.16
Sep	<del>1.70</del> 1.44	<del>0.51-10</del> 0.05-1.26	<del>10.96</del>	<del>0.14-2.43</del> 0.17-0.52	<del>0.72</del> 0.74	<del>0.15-1.60</del> 0.25-0.31
Oct	0	0-0	<del>0</del> 0.05	<del>0-0</del> 0-0.05	<del>0</del> 0.03	<del>0-0</del> 0-0.03
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.21 b: 68. Arklow Bank. Design-based estimates of Manx shearwater density (birds/ $\text{km}^2$ ), in flight only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0.01	0-0.01
Apr	1.16	0.35-0.42	1.08	0.48-0.36	1.07	0.45-0.3
May	0.54	0-0.3	3.18	0.4-0.89	3.47	0.74-0.68
Jun	4.79	0.42-1.94	1.61	0.44-0.74	0.93	0.42-0.49
Jul	0.25	0-0.64	0.24	0.31-0.3	0.72	0.3-0.52
Aug	0.47	0-0.27	0.52	0.16-0.31	0.43	0.22-0.2
Sep	0.26	0-0.14	0.20	0.1-0.19	0.17	0.12-0.12
Oct	0	0-0	0.05	0-0.05	0.03	0-0.03
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.21 c-69. Arklow Bank. Design-based estimates of Manx shearwater density (birds/km<sup>2</sup>km<sup>2</sup>)<sub>r</sub> on the sea only in the entire Arrayconsent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	5.182.62	<del>0.88-1.97</del> 0.23-1.57	2.381.28	<del>0.56-4.99</del> 0.22-0.67	2.231.2	<del>0.77-3.80</del> 0.44-0.44
May	<del>0.70</del> 4.02	<del>0.07-1.58</del> 0.12-3.45	5.344.09	<del>1.30-11.16</del> 0.44-2.63	5.513.6	<del>2.17-10.17</del> 1.13-1.7
Jun	2.551.5	<del>0.34-5.86</del> 0.08-0.91	<del>0.84</del> 0.85	<del>0.09-1.68</del> 0.09-0.5	<del>0.47</del> 0.54	<del>0.04-1.05</del> 0.06-0.29
Jul	<del>0</del> 0.35	<del>0-0</del> 0-0.25	<del>0.51</del> 0.58	<del>0-1.28</del> 0.03-0.38	1.621.64	<del>0.10-4.15</del> 0.21-1.03
Aug	15.217.68	<del>1.04-31.61</del> 1.24-4.14	6.543.55	<del>2.14-11.49</del> 1.08-1.53	4.582.73	<del>1.71-8.71</del> 0.88-1.1
Sep	1.701.18	<del>0.510</del> 0-1.17	<del>0.80</del> 0.58	<del>0.03-2.26</del> 0-0.42	<del>0.54</del> 0.4	<del>0.03-1.30</del> 0.02-0.24
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.22 a-70. Arklow Bank. Design-based estimates of Puffin density (birds/ $\text{km}^2$ ), in flight and on the sea in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0.15	<del>0-0.46</del> 0-0.16	0.05	<del>0-0.15</del> 0-0.05	0.03	<del>0-0.09</del> 0-0.03
Mar	0.31	<del>0-0.93</del> 0-0.21	<del>0.10</del> 0.1	<del>0-0.26</del> 0-0.07	0.06	<del>0-0.14</del> 0-0.04
Apr	0	0-0	0	0-0	<del>0-0.3</del> 0.04	<del>0-0.11</del> 0-0.04
May	<del>0</del> 0.07	<del>0-0</del> 0-0.07	<del>0</del> 0.07	<del>0-0</del> 0-0.04	<del>0-0.3</del> 0.12	<del>0-0.11</del> 0.03-0.06
Jun	<del>0.15</del> 0.05	<del>0-0.46</del> 0-0.05	0.05	<del>0-0.15</del> 0-0.05	<del>0-0.09</del> 0.05	<del>0-0.21</del> 0-0.04
Jul	<del>0.05</del> 0.07	<del>0-0.15</del> 0-0.07	<del>0.05</del> 0.09	<del>0-0.14</del> 0-0.06	<del>0-0.3</del> 0.13	<del>0-0.08</del> 0.02-0.07
Aug	0.07	<del>0-0.27</del> 0-0.08	<del>0.05</del> 0.06	<del>0-0.16</del> 0-0.05	<del>0-0.09</del> 0.12	<del>0-0.23</del> 0.01-0.08
Sep	0	0-0	0	0-0	0.03	<del>0-0.10</del> 0-0.03
Oct	<del>0</del> 0.16	<del>0-0</del> 0-0.16	<del>0</del> 0.05	<del>0-0</del> 0-0.05	<del>0</del> 0.03	<del>0-0</del> 0-0.03
Nov	0	0-0	0.03	<del>0-0.10</del> 0-0.03	0.01	<del>0-0.04</del> 0-0.01
Dec	0	0-0	0	0-0	0	0-0

Table ~~12.2.22 b:~~ 71. Arklow Bank. Design-based estimates of Puffin density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), in flight only in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area</del> <del>and 2 km</del> <del>buffer</del> Density	95% c.i.	<del>Array Area</del> <del>and 4 km</del> <del>buffer</del> Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	<del>0.15</del> 0.05	<del>0-0.46</del> 0-0.05	<del>0.05</del> 0.02	<del>0-0.15</del> 0-0.02	<del>0.03</del> 0.01	<del>0-0.09</del> 0-0.01
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table ~~12.2.22 c-72~~. Arklow Bank. Design-based estimates of Puffin density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), on the sea only in the entire ~~Array~~ consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area and 2 km buffer</del> Density	95% c.i.	<del>Array Area and 4 km buffer</del> Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0.15	<del>0-0.46</del> 0-0.16	0.05	<del>0-0.15</del> 0-0.05	0.03	<del>0-0.10</del> 0-0.03
Mar	0.31	<del>0-0.77</del> 0-0.21	<del>0.10</del> 0.1	<del>0-0.26</del> 0-0.07	0.06	<del>0-0.13</del> 0-0.04
Apr	0	0-0	0	0-0	<del>0-0.3</del> 0.04	<del>0-0.09</del> 0-0.04
May	<del>0.07</del>	<del>0-0</del> 0-0.08	<del>0.07</del>	<del>0-0</del> 0-0.04	<del>0-0.3</del> 0.12	<del>0-0.09</del> 0.03-0.06
Jun	0	0-0	<del>0.03</del>	<del>0-0</del> 0-0.03	<del>0-0.6</del> 0.04	<del>0-0.17</del> 0-0.04
Jul	<del>0.05</del> 0.07	<del>0-0.15</del> 0-0.08	<del>0.05</del> 0.09	<del>0-0.13</del> 0-0.06	<del>0-0.3</del> 0.13	<del>0-0.08</del> 0.01-0.07
Aug	0.07	<del>0-0.23</del> 0-0.07	<del>0.05</del> 0.06	<del>0-0.13</del> 0-0.05	<del>0-0.9</del> 0.12	<del>0-0.23</del> 0.01-0.08
Sep	0	0-0	0	0-0	0.03	<del>0-0.09</del> 0-0.03
Oct	<del>0.16</del>	<del>0-0</del> 0-0.15	<del>0.05</del>	<del>0-0</del> 0-0.05	<del>0.03</del>	<del>0-0</del> 0-0.03
Nov	0	0-0	0.03	<del>0-0.07</del> 0-0.03	0.01	<del>0-0.04</del> 0-0.01
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.23 a-73. Arklow Bank. Design-based estimates of Razorbill density (birds/km<sup>2</sup>km<sup>2</sup>), in flight and on the sea in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	51.4745.96	26.5477.3320.9-15.63	19.0417.14	10.9831.638.28-5.28	10.719.69	6.6516.364.71-3.01
Feb2	21.9618.61	8.1737.346.33-7.49	7.827.34	2.713.843-2.58	4.484.37	1.817.711.91-1.49
Mar3	0.744.93	0.141.351.68-1.91	0.42.21	0.10.731.04-0.67	0.471.5	0.220.80.78-0.42
Apr4	1.023.21	0.192.231.4-1.08	0.782.18	0.341.331.22-0.56	0.901.69	0.491.331.01-0.38
May5	0.562.47	0.181.080.37-1.4	1.082.5	0.41.951.19-0.8	1.202.04	0.671.871.17-0.51
Jun6	0.280.47	0.0.840-0.39	0.100.39	0.0.280.12-0.18	0.070.28	0.0.170.11-0.1
Jul7	0.121.16	0.0.370.32-0.51	0.271.72	0.030.630.99-0.42	0.462.12	0.170.881.48-0.36
Aug8	18.3212.42	6.2234.024.23-5.46	11.5210.38	6.7219.176.18-2.48	9.6110.73	6.1413.597.26-1.92
Sep9	9.308.43	4.3215.224.03-2.7	11.8913.18	7.7816.328.42-2.55	11.9212.99	8.4516.449.34-1.96
Oct10	1.955.95	0.653.632.6-2.1	1.943.25	1.082.751.77-0.86	1.462.41	0.962.081.55-0.51
Nov11	24.7518.23	12.7444.887.81-6.64	10.638.22	5.0517.464.18-2.36	7.806.04	4.9111.653.47-1.5
Dec12	9.6834.05	1.5819.929.43-15.35	5.8713.12	1.6411.484.1-5.51	3.777.82	1.627.452.84-3.03

Table 12.2.23-b-74. Arklow Bank. Design-based estimates of Razorbill density (birds/km<sup>2</sup>km<sup>2</sup>), in flight only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	1.031.92	0.18-2.510.19-1.18	0.640.84	0.22-1.390.14-0.44	0.380.48	0.16-0.720.1-0.25
Feb2	0.461.49	0.1350.28-0.77	0.340.72	0.10-0.780.23-0.31	0.240.53	0.03-0.390.2-0.19
Mar3	00.18	0-00-0.13	00.12	0-00.01-0.06	0.050.13	0-0.140.02-0.07
Apr4	0.470.37	0.1170-0.3	0.220.18	0.06-0.470.01-0.12	0.170.14	0.05-0.300.03-0.08
May5	0	0-0	00.04	0-00-0.04	0.120.09	0-0.310-0.07
Jun6	0	0-0	00.03	0-00-0.02	0.010.03	0-0.050-0.03
Jul7	0.120.09	0-0.370-0.09	0.040.03	0-0.120-0.03	0.020.03	0-0.070-0.03
Aug8	0	0-0	0	0-0	0	0-0
Sep9	0	0-0	00.06	0-00-0.04	00.08	0-00.02-0.03
Oct10	0.281.06	0-0.840.06-0.68	0.340.58	0.03-0.760.1-0.31	0.220.36	0.01-0.470.07-0.18
Nov11	2.141.55	0.42-4.560.37-0.75	0.740.6	0.10-1.430.1-0.29	0.460.39	0.12-0.900.12-0.17
Dec12	0.281.68	0-0.750.43-0.77	0.120.6	0-0.320.16-0.26	0.120.39	0.01-0.260.12-0.17

Table 12.2.23 c-75. Arklow Bank. Design-based estimates of Razorbill density (birds/km<sup>2</sup>km<sup>2</sup>)<sub>r</sub> on the sea only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	50.1644.04	20.28-83.5219.35-15.66	18.3916.29	10.22-30.177.91-5.2	10.349.21	5.76-15.804.53-2.93
Feb2	21.4917.12	8.28-35.185.12-7.18	7.486.62	3.50-13.102.41-2.52	4.283.83	1.91-7.611.48-1.44
Mar3	0.744.74	0.18-1.771.44-1.84	0.402.08	0.07-0.870.96-0.65	0.421.37	0.14-0.710.68-0.39
Apr4	0.552.84	0.04-1.211.11-0.93	0.551.99	0.24-0.951.09-0.52	0.721.54	0.30-1.110.92-0.35
May5	0.562.47	0.14-1.170.47-1.4	1.082.46	0.43-1.951.16-0.81	1.081.95	0.60-1.671.11-0.5
Jun6	0.280.47	0-0.840-0.41	0.100.36	0-0.280.11-0.17	0.050.24	0-0.160.09-0.1
Jul7	01.07	0-00.28-0.44	0.231.68	0.02-0.520.96-0.42	0.442.09	0.18-0.741.45-0.36
Aug8	18.3212.42	6.00-40.054.1-5.57	11.5210.38	6.2-17.186.09-2.41	9.6110.73	6.75-13.257.47-1.88
Sep9	9.308.43	4.46-15.743.97-2.58	11.8913.12	7.96-16.438.26-2.59	11.9212.91	8.75-16.099.37-1.99
Oct10	1.684.9	0.56-2.931.86-1.84	1.612.68	0.78-2.711.42-0.77	1.232.05	0.74-1.871.23-0.47
Nov11	22.6116.68	7.29-39.776.01-6.64	9.897.62	4.44-15.223.75-2.34	7.355.65	4.11-11.443.22-1.42
Dec12	9.4032.38	1.62-20.167.62-15.38	5.7512.53	2.06-11.613.52-5.62	3.647.43	1.34-6.462.44-3

Table 12.2.24 a-76. Arklow Bank. Design-based estimates of Red-throated diver density (birds/ $\text{km}^2\text{km}^2$ )<sub>r</sub> in flight and on the sea in the entire ~~Array~~ consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area</del> and <del>2 km</del> buffer Density	95% c.i.	<del>Array Area</del> and <del>4 km</del> buffer Density	95% c.i.
Jan	<del>1.77</del> 2.52	<del>0.46-3.51</del> 0.92-0.97	<del>0.72</del> 0.94	<del>0.23-1.31</del> 0.36-0.33	<del>0.47</del> 0.57	<del>0.24-0.81</del> 0.24-0.19
Feb	<del>1.39</del> 1.58	<del>0.38-2.55</del> 0.5-0.66	<del>0.59</del> 0.68	<del>0.23-1.07</del> 0.26-0.24	<del>0.37</del> 0.41	<del>0.15-0.66</del> 0.17-0.14
Mar	<del>0.31</del> 1.2	<del>0.04-0.62</del> 0.42-0.44	<del>0.13</del> 0.51	<del>0.03</del> 0.22-0.17	<del>0.09</del> 0.32	<del>0.01-0.17</del> 0.14-0.1
Apr	<del>0.54</del> 1.97	<del>0.13</del> 0.5-0.9	<del>0.26</del> 0.72	<del>0.04-0.53</del> 0.24-0.3	<del>0.20</del> 0.44	<del>0.06-0.37</del> 0.15-0.18
May	<del>0.38</del> 0.87	<del>0.07-0.85</del> 0.2-0.42	<del>0.16</del> 0.34	<del>0.03-0.31</del> 0.1-0.14	<del>0.10</del> 0.21	<del>0.02-0.22</del> 0.07-0.08
Jun	<del>0</del> 0.16	<del>0-0</del> 0-0.16	<del>0</del> 0.05	<del>0-0</del> 0-0.05	<del>0</del> 0.03	<del>0-0</del> 0-0.03
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	<del>0</del> 0.07	<del>0-0</del> 0-0.07	<del>0</del> 0.03	<del>0-0</del> 0-0.03	<del>0</del> 0.01	<del>0-0</del> 0-0.01
Oct	<del>0.70</del> 0.62	<del>0.16-1.43</del> 0.05-0.34	<del>0.23</del> 0.2	<del>0.05-0.55</del> 0.02-0.12	<del>0.13</del> 0.12	<del>0.03-0.29</del> 0.01-0.06
Nov	<del>0.07</del> 0.26	<del>0-0.23</del> 0.05-0.15	<del>0.05</del> 0.12	<del>0-0.13</del> 0.02-0.06	<del>0.07</del> 0.11	<del>0-0.20</del> 0.02-0.06
Dec	<del>0.92</del> 1.39	<del>0.34-1.58</del> 0.51-0.48	<del>0.34</del> 0.55	<del>0.14-0.60</del> 0.25-0.17	<del>0.26</del> 0.41	<del>0.06-0.47</del> 0.19-0.12

Table ~~12.2.24 b: 77~~. Arklow Bank. Design-based estimates of Red-throated diver density (birds/~~km<sup>2</sup>km<sup>2</sup>~~), in flight only in the entire ~~Array~~ consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	<del>Array Area</del> Density	95% c.i.	<del>Array Area and 2 km buffer</del> Density	95% c.i.	<del>Array Area and 4 km buffer</del> Density	95% c.i.
Jan	0	0-0	<del>0</del> 0.02	<del>0-0</del> 0-0.02	<del>0</del> 0.01	<del>0-0</del> 0-0.01
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	<del>0</del> 0.01	<del>0-0</del> 0-0.01
Dec	0	0-0	0	0-0	0.01	<del>0-0.05</del> 0-0.01

Table 12.2.24 c: 78. Arklow Bank. Design-based estimates of Red-throated diver density (birds/km<sup>2</sup>km<sup>2</sup>)<sub>r</sub> on the sea only in the entire Arrayconsent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	1.77	0.54-3.32	0.72	0.26-1.35	0.47	0.21-0.84
Feb	1.39	0.38-2.66	0.59	0.22-0.98	0.37	0.16-0.70
Mar	0.34	0.04-0.74	0.13	0.03-0.22	0.09	0.01-0.19
Apr	0.54	0.13-0.91	0.26	0.05-0.56	0.20	0.06-0.34
May	0.38	0.04-0.89	0.16	0.03-0.30	0.10	0.01-0.22
Jun	0.16	0.00-0.15	0.05	0.00-0.05	0.03	0.00-0.03
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0.07	0.00-0.08	0.03	0.00-0.03	0.01	0.00-0.01
Oct	0.70	0.16-1.54	0.23	0.04-0.50	0.13	0.03-0.27
Nov	0.07	0.02-0.15	0.05	0.01-0.06	0.07	0.01-0.10
Dec	0.92	0.26-1.62	0.34	0.10-0.59	0.24	0.10-0.42

Table 12.2.25 a-79. Arklow Bank. Design-based estimates of Sandwich Roseate Tern density (birds/km<sup>2</sup> km<sup>2</sup>), in flight and on the sea in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0.050	0-0.160-0	0.070	0-0.140-0
May	0.070	0-0.230-0	0.030	0-0.070-0	0.040	0-0.040-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0.150	0-0.460-0	0.100.1	0-0.260-0.1	0.110.06	0-0.290-0.05
Sep	0.230	0-0.470-0	0.070	0-0.180-0	0.040	0-0.100-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.25-b: 80. Arklow Bank. Design-based estimates of Sandwich Roseate Tern density (birds/km<sup>2</sup> km<sup>2</sup>), in flight only in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0.050	0-0.10-0	0.070	0-0.140-0
May	0.070	0-0.230-0	0.030	0-0.070-0	0.040	0-0.040-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0.150	0-0.460-0	0.100.1	0-0.260-0.1	0.110.06	0-0.230-0.06
Sep	0.230	0-0.470-0	0.070	0-0.160-0	0.040	0-0.100-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table ~~12.2.25 c-81~~. Arklow Bank. Design-based estimates of ~~Sandwich~~Roseate Tern density (birds/~~km<sup>2</sup>km<sup>2</sup>~~) ~~on the sea only in the entire Array consent area and buffer zones.~~

	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
Month	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	0	0-0	0	0-0	0	0-0
Mar	0	0-0	0	0-0	0	0-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0	0-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0	0-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	0	0-0	0	0-0

Table 12.2.26 a: 82. Arklow Bank. Design-based estimates of Shag Sandwich tern density (birds/km<sup>2</sup> km<sup>2</sup>), in flight and on the sea in the entire Array consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0.380	0-1.120-0	0.130	0-0.360-0	0.070	0-0.160-0
Feb	0.540	0-0.71200-0	0.180	0-0.3380-0	0.100	0-0.210-0
Mar	0.15	0-0.46	0.05	0-0.18	0.03	0-0.11
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0.04	0-0-0.04	0.03	0-0.060.01-0.03
Jun	0.07	0-0.07	0.03	0-0.03	0.01	0-0.01
Jul	0	0-0	0	0-0	0.03	0-0-0.02
Aug	0.05	0-0.05	0.05	0-0.04	0.05	0.01-0.03
Sep	0.15	0-0.09	0.05	0-0.03	0.03	0-0.02
Oct	0	0-0	0	0-0	0.060	0-0.110-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0.230	0-0.580-0	0.130	0-0.330-0	0.070	0-0.190-0

Table ~~12.2.26 b: 83~~. Arklow Bank. Design-based estimates of ~~Shag~~Sandwich tern density (birds/~~km<sup>2</sup> km<sup>2</sup>~~), in flight only in the entire ~~Array~~consent area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0	0-0	0	0-0	0	0-0
Feb	<del>0.07</del>	<del>0-0.23</del>	<del>0.03</del>	<del>0-0.09</del>	<del>0.01</del>	<del>0-0.04</del>
<del>Mar</del> Feb	0	0-0	0	0-0	0	0-0
<del>Apr</del> Mar	0	0-0	0	0-0	0	0-0
<del>May</del> Apr	0	0-0	<del>0.04</del>	<del>0-0.04</del>	<del>0.04</del>	<del>0-0.04</del> 0-0.03
May	0.07	0-0.07	0.03	0-0.03	0.01	0-0.01
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	<del>0.03</del>	<del>0-0.02</del>
Aug	<del>0.05</del>	<del>0-0.05</del>	<del>0.05</del>	<del>0-0.04</del>	<del>0.05</del>	<del>0-0.01-0.03</del>
Sep	<del>0.15</del>	<del>0-0.09</del>	<del>0.05</del>	<del>0-0.03</del>	<del>0.03</del>	<del>0-0.02</del>
Oct	0	0-0	0	0-0	0	0-0
Nov	0	0-0	0	0-0	0	0-0
Dec	0	0-0	<del>0.05</del> 0	<del>0-0.16</del> 0-0	<del>0.03</del> 0	<del>0-0.10</del> 0

Table 12.2.26 c: 84. Arklow Bank. Design-based estimates of **ShagSandwich tern** density (birds/~~km<sup>2</sup>~~km<sup>2</sup>) on the sea only in the entire **Array consent** area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan	0.380	0.07-0.960-0	0.130	0.03-0.360-0	0.070	0.01-0.160-0
Feb	0.460	0.04-1.230-0	0.150	0.03-0.360-0	0.090	0.01-0.200-0
Mar	0.150	0.0-0.460-0	0.050	0.0-0.150-0	0.030	0.0-0.090-0
Apr	0	0-0	0	0-0	0	0-0
May	0	0-0	0	0-0	0.010	0.0-0.040-0
Jun	0	0-0	0	0-0	0	0-0
Jul	0	0-0	0	0-0	0	0-0
Aug	0	0-0	0	0-0	0.060	0.0-0.140-0
Sep	0	0-0	0	0-0	0	0-0
Oct	0.150	0.0-0.580-0	0.050	0.0-0.180-0	0.030	0.0-0.090-0
Nov	0.070	0.0-0.230-0	0.030	0.0-0.070-0	0.010	0.0-0.040-0
Dec	0.230	0.0-0.540-0	0.070	0.0-0.180-0	0.040	0.0-0.100-0

Table 12.2.27 a: 85. Arklow Bank. Design-based estimates of ~~Small gull species~~ Shag density (birds/km<sup>2</sup> km<sup>2</sup>), in flight and on the sea in the entire ~~Array consent~~ area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	8.260.72	1.54-20.080.15-0.38	2.770.24	0.85-6.230.05-0.13	1.560.13	0.32-3.370.03-0.07
Feb2	7.650.89	1.96-15.140.07-0.53	2.540.3	0.76-5.200.03-0.18	1.420.16	0.46-2.620.01-0.1
Mar3	0.77	0-0.1-0.51	0.26	0-0.03-0.17	0.030.14	0-0.090.03-0.09
Apr4	1.160.05	0.31-2.400-0.05	0.410.02	0.13-0.810-0.02	0.230.01	0.07-0.430-0.01
May5	0.1	0-0-0.07	0.150.05	0-0.360-0.03	0.090.06	0-0.200.01-0.03
Jun6	0.150.05	0-0.460-0.05	0.050.02	0-0.150-0.02	0.030.02	0-0.090-0.01
Jul7	0	0-0	0	0-0	0.01	0-0-0.01
Aug8	0.26	0-0-0.17	0.09	0-0-0.06	0.08	0-0-0.06
Sep9	0.160	0-0.310-0	0.050.1	0-0.130-0.08	0.040.06	0-0.120-0.04
Oct10	0.070.15	0-0.270-0.15	0.030.05	0-0.070-0.05	0.03	0-0.070-0.03
Nov11	5.720.26	1.11-14.520-0.18	2.000.09	0.38-4.750-0.06	1.270.05	0.45-2.520-0.03
Dec12	2.550.46	0.23-6.030-0.3	0.900.19	0.20-2.050-0.12	0.560.1	0.12-1.160-0.07

Table 12.2.27 b: 86. Arklow Bank. Design-based estimates of ~~Small gull species~~ Shag density (birds/km<sup>2</sup> km<sup>2</sup>), in flight only in the entire ~~Array consent~~ area and buffer zones.

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	0.78	0.15-1.51	0.29	0.03-0.63	0.17	0.03-0.36
Feb2	1.16	0.38-2.05	0.38	0.07-0.76	0.22	0.09-0.41
3	0.26	0-0.26	0.09	0-0.08	0.05	0-0.05
Mar4	0	0-0	0	0-0	0.03	0-0.09
5	0.05	0-0.05	0.03	0-0.02	0.03	0-0.02
Apr6	0	0-0	0	0-0	0	0-0
May7	0	0-0	0	0-0	0	0-0
Jun8	0	0-0	0	0-0	0.01	0-0.01
9	0	0-0	0.1	0-0.09	0.06	0-0.04
Jul10	0	0-0	0	0-0	0	0-0
Aug11	0	0-0	0	0-0	0	0-0
Sep12	0.07	0-0.23	0.03	0-0.07	0.04	0-0.04
Oct	0.07	0-0.27	0.03	0-0.07	0.04	0-0.04
Nov	0.70	0.07-1.84	0.26	0-0.60	0.23	0.04-0.42
Dec	1.23	0.38-2.63	0.44	0.13-0.86	0.28	0.10-0.52

Table 12.2.27 c: 87. Arklow Bank. Design-based estimates of ~~Small-gull-species~~Shag density (birds/km<sup>2</sup>km<sup>2</sup>) ~~on the sea only in the entire Array consent area and buffer zones.~~

Month	Density					
	Wind farm		Wind farm & 2km buffer		Wind farm and 4km buffer	
	Array Area Density	95% c.i.	Array Area and 2 km buffer Density	95% c.i.	Array Area and 4 km buffer Density	95% c.i.
Jan1	7.490.67	1.62-15.970.1-0.37	2.490.22	0.51-5.780.03-0.12	1.390.12	0.16-3.060.02-0.07
Feb2	6.480.85	2.28-12.480.04-0.52	2.160.28	0.62-3.920.01-0.17	1.200.16	0.33-2.450.01-0.09
Mar3	0.51	0-0.1-0.26	0.17	0-0.03-0.08	0.1	0-0.02-0.05
Apr4	1.160.05	0.27-2.130-0.05	0.410.02	0.14-0.740-0.02	0.230.01	0.09-0.450-0.01
May5	0.05	0-0-0.05	0.150.02	0-0.460-0.02	0.090.03	0-0.210-0.02
Jun6	0.150.05	0-0.390-0.05	0.050.02	0-0.150-0.02	0.030.02	0-0.090-0.01
Jul7	0	0-0	0	0-0	0.01	0-0-0.01
8	0.26	0-0.17	0.09	0-0.06	0.07	0-0.05
Aug9	0	0-0	0	0-0	0	0-0
Sep10	0.070.15	0-0.230-0.16	0.030.05	0-0.070-0.05	0.03	0-0.100-0.03
Oct11	0.26	0-0-0.17	0.09	0-0-0.06	0.010.05	0-0.040-0.03
Nov	5.02	0.31-10.62	1.74	0.36-3.86	1.04	0.20-1.97
Dec12	1.310.46	0-3.700-0.31	0.460.15	0-1.300-0.1	0.290.09	0.01-0.760-0.05

### **1.3 REFERENCES**

Allen, S. (2013) JNCC expert statement on ornithological issues for written representations in respect of East Anglia One offshore windfarm.