



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

Appendix 12.02 Offshore Ornithology Technical Report

Monthly Seabird Density (Revised March 2026)

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1 OFFSHORE ORNITHOLOGY TECHNICAL REPORT – MONTHLY SEABIRD DENSITY

Table 1. Arklow Bank. Design-based estimates of Arctic / common tern density (birds/km²) 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. |
| 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/km²) 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/km²) on the sea only 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 | 2.4 | 0-2.29 | 0.8 | 0-0.77 | 0.44 | 0-0.42 |
| May | 0.85 | 0-0.78 | 0.3 | 0-0.26 | 0.17 | 0-0.16 |
| Jun | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Jul | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Aug | 2.82 | 0.46-1.74 | 1.29 | 0.16-0.74 | 0.72 | 0.09-0.42 |
| Sep | 0.31 | 0-0.22 | 0.14 | 0.02-0.08 | 0.09 | 0.02-0.04 |
| 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 4. Arklow Bank. Design-based estimates of Arctic skua density (birds/km²) 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 | 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 | 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 5. Arklow Bank. Design-based estimates of Arctic skua density (birds/km²) 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 | 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 | 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 6. Arklow Bank. Design-based estimates of Arctic skua density (birds/km²) on the sea only 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 | 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 7. Arklow Bank. Design-based estimates of Arctic tern density (birds/km²) 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. |
| 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 | 1.97 | 0.35-1.27 | 0.8 | 0.22-0.44 | 0.48 | 0.14-0.25 |
| May | 2.94 | 0.62-1.49 | 1.23 | 0.41-0.52 | 0.8 | 0.28-0.32 |
| Jun | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Jul | 0 | 0-0 | 0 | 0-0 | 0.06 | 0-0.05 |
| Aug | 16.63 | 5.61-6.69 | 5.71 | 2.15-2.21 | 3.5 | 1.3-1.29 |
| Sep | 0.31 | 0-0.22 | 0.44 | 0.14-0.18 | 0.41 | 0.13-0.18 |
| Oct | 0.31 | 0-0.19 | 0.1 | 0-0.06 | 0.07 | 0-0.05 |
| Nov | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Dec | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |

Table 8. Arklow Bank. Design-based estimates of Arctic tern density (birds/km²) 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 | 1.97 | 0.35-1.27 | 0.8 | 0.22-0.44 | 0.48 | 0.14-0.26 |
| May | 0.93 | 0.2-0.49 | 0.56 | 0.19-0.24 | 0.43 | 0.17-0.16 |
| Jun | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Jul | 0 | 0-0 | 0 | 0-0 | 0.06 | 0-0.06 |
| Aug | 8.44 | 2.68-3.59 | 2.99 | 1.04-1.21 | 1.82 | 0.71-0.68 |
| Sep | 0.31 | 0-0.22 | 0.44 | 0.15-0.18 | 0.41 | 0.13-0.18 |
| Oct | 0.31 | 0-0.18 | 0.1 | 0-0.06 | 0.07 | 0-0.05 |
| Nov | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Dec | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |

Table 9. Arklow Bank. Design-based estimates of Arctic tern density (birds/km²) 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. |
| 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 | 2.01 | 0-1.28 | 0.67 | 0-0.42 | 0.37 | 0-0.23 |
| Jun | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Jul | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Aug | 8.19 | 0.77-5.19 | 2.72 | 0.27-1.76 | 1.68 | 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 10. Arklow Bank. Design-based estimates of Auk / shearwater species density (birds/km²) 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. |
| Jan | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Feb | 0 | 0-0 | 0 | 0-0 | 0.03 | 0-0.03 |
| Mar | 0.15 | 0-0.16 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| Apr | 0.85 | 0.16-0.53 | 0.38 | 0.05-0.2 | 0.32 | 0.1-0.12 |
| May | 0.62 | 0.07-0.34 | 0.77 | 0.36-0.23 | 0.8 | 0.42-0.2 |
| Jun | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Jul | 0 | 0-0 | 0.1 | 0-0.07 | 0.08 | 0.01-0.04 |
| Aug | 0.58 | 0.04-0.41 | 0.59 | 0.1-0.32 | 0.42 | 0.13-0.18 |
| Sep | 0.46 | 0-0.32 | 0.31 | 0.03-0.17 | 0.22 | 0.06-0.1 |
| Oct | 0 | 0-0 | 0.05 | 0-0.05 | 0.06 | 0-0.04 |
| Nov | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Dec | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |

Table 11. Arklow Bank. Design-based estimates of Auk / shearwater species density (birds/km²) 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 | 0.03 | 0-0.03 |
| Mar | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Apr | 0 | 0-0 | 0.03 | 0-0.03 | 0.03 | 0-0.02 |
| May | 0 | 0-0 | 0.1 | 0-0.06 | 0.09 | 0.01-0.06 |
| Jun | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Jul | 0 | 0-0 | 0.02 | 0-0.02 | 0.02 | 0-0.01 |
| Aug | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Sep | 0 | 0-0 | 0.03 | 0-0.03 | 0.02 | 0-0.02 |
| 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. Arklow Bank. Design-based estimates of Auk / shearwater species density (birds/km²) 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. |
| Jan | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Feb | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Mar | 0.15 | 0-0.15 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| Apr | 0.85 | 0.16-0.52 | 0.36 | 0.05-0.19 | 0.28 | 0.09-0.12 |
| May | 0.62 | 0.07-0.33 | 0.66 | 0.28-0.22 | 0.71 | 0.38-0.19 |
| Jun | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Jul | 0 | 0-0 | 0.08 | 0-0.06 | 0.06 | 0-0.04 |
| Aug | 0.58 | 0.04-0.42 | 0.59 | 0.1-0.32 | 0.42 | 0.13-0.18 |
| Sep | 0.46 | 0-0.3 | 0.27 | 0.03-0.15 | 0.2 | 0.05-0.09 |
| 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 13. Arklow Bank. Design-based estimates of Auk species density (birds/km²) 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. |
| 1 | 10.81 | 5.4-3.17 | 4.29 | 2.38-1.07 | 2.45 | 1.33-0.61 |
| 2 | 4.17 | 1.51-1.55 | 1.45 | 0.58-0.52 | 0.86 | 0.36-0.29 |
| 3 | 0.27 | 0.04-0.19 | 0.12 | 0.01-0.07 | 0.07 | 0.01-0.04 |
| 4 | 0.35 | 0.04-0.2 | 0.24 | 0.06-0.11 | 0.22 | 0.09-0.08 |
| 5 | 0.96 | 0.31-0.44 | 0.77 | 0.34-0.24 | 0.56 | 0.3-0.14 |
| 6 | 0.36 | 0-0.3 | 0.19 | 0-0.12 | 0.13 | 0.02-0.07 |
| 7 | 0.38 | 0.04-0.2 | 0.44 | 0.17-0.16 | 0.55 | 0.24-0.17 |
| 8 | 0.73 | 0.19-0.35 | 0.58 | 0.23-0.22 | 0.7 | 0.34-0.22 |
| 9 | 0.98 | 0.15-0.58 | 1.03 | 0.46-0.34 | 0.8 | 0.43-0.21 |
| 10 | 0.93 | 0.15-0.45 | 0.72 | 0.36-0.21 | 0.59 | 0.33-0.14 |
| 11 | 2.83 | 0.93-1.2 | 1.56 | 0.73-0.49 | 1.19 | 0.67-0.3 |
| 12 | 3.4 | 0.77-1.7 | 1.54 | 0.51-0.64 | 0.99 | 0.41-0.36 |

Table 14. Arklow Bank. Design-based estimates of Auk species density (birds/km²) 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 | 0.46 | 0-0.36 | 0.19 | 0-0.13 | 0.12 | 0.02-0.08 |
| 2 | 0.42 | 0-0.29 | 0.18 | 0.01-0.12 | 0.1 | 0.01-0.07 |
| 3 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 4 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 5 | 0.08 | 0-0.07 | 0.06 | 0-0.04 | 0.04 | 0.01-0.02 |
| 6 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 7 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 8 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 9 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 10 | 0.1 | 0-0.1 | 0.07 | 0-0.07 | 0.07 | 0-0.05 |
| 11 | 0.36 | 0-0.27 | 0.15 | 0-0.1 | 0.12 | 0.02-0.06 |
| 12 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |

Table 15. Arklow Bank. Design-based estimates of Auk species density (birds/km²) 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 | 10.35 | 5.15-2.99 | 4.1 | 2.32-1.02 | 2.32 | 1.31-0.59 |
| 2 | 3.75 | 1.35-1.41 | 1.27 | 0.48-0.47 | 0.76 | 0.32-0.27 |
| 3 | 0.27 | 0.04-0.19 | 0.12 | 0.01-0.07 | 0.07 | 0.01-0.04 |
| 4 | 0.35 | 0.04-0.2 | 0.24 | 0.06-0.11 | 0.21 | 0.08-0.07 |
| 5 | 0.88 | 0.27-0.4 | 0.7 | 0.34-0.22 | 0.52 | 0.28-0.14 |
| 6 | 0.36 | 0-0.31 | 0.19 | 0-0.12 | 0.13 | 0.02-0.07 |
| 7 | 0.38 | 0.04-0.2 | 0.44 | 0.16-0.17 | 0.55 | 0.26-0.18 |
| 8 | 0.73 | 0.19-0.34 | 0.56 | 0.2-0.21 | 0.69 | 0.34-0.22 |
| 9 | 0.98 | 0.15-0.58 | 1.03 | 0.48-0.34 | 0.79 | 0.43-0.21 |
| 10 | 0.82 | 0.1-0.41 | 0.65 | 0.31-0.19 | 0.52 | 0.29-0.13 |
| 11 | 2.47 | 0.77-1 | 1.4 | 0.67-0.43 | 1.07 | 0.6-0.27 |
| 12 | 3.4 | 0.72-1.69 | 1.54 | 0.5-0.65 | 0.99 | 0.4-0.36 |

Table 16. Arklow Bank. Design-based estimates of Black-headed gull density (birds/km²) 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. |
| Jan | 8.65 | 1.65-3.97 | 3.02 | 0.77-1.34 | 1.75 | 0.53-0.76 |
| Feb | 5.41 | 1.12-2.6 | 1.9 | 0.54-0.88 | 1.11 | 0.29-0.48 |
| Mar | 0.57 | 0-0.48 | 0.19 | 0-0.16 | 0.1 | 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 | 0.05 | 0-0.05 | 0.09 | 0.02-0.05 | 0.07 | 0.02-0.03 |
| Aug | 0.04 | 0-0.04 | 0.09 | 0-0.07 | 0.05 | 0-0.04 |
| Sep | 0.05 | 0-0.05 | 0.03 | 0-0.02 | 0.03 | 0-0.02 |
| Oct | 1.03 | 0.1-0.68 | 0.34 | 0.03-0.22 | 0.22 | 0.03-0.13 |
| Nov | 6.13 | 0.82-3.41 | 2.55 | 0.73-1.13 | 1.76 | 0.67-0.68 |
| Dec | 6.23 | 0.51-4.16 | 2.12 | 0.19-1.41 | 1.27 | 0.25-0.78 |

Table 17. Arklow Bank. Design-based estimates of Black-headed gull density (birds/km²) 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 | 7.15 | 1.69-3.37 | 2.53 | 0.67-1.15 | 1.45 | 0.4-0.62 |
| Feb | 3.4 | 0.69-1.87 | 1.23 | 0.3-0.62 | 0.74 | 0.22-0.35 |
| Mar | 0.36 | 0-0.33 | 0.12 | 0-0.12 | 0.07 | 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 | 0.05 | 0-0.05 | 0.09 | 0.02-0.05 | 0.07 | 0.02-0.03 |
| Aug | 0.04 | 0-0.04 | 0.03 | 0-0.03 | 0.01 | 0-0.01 |
| Sep | 0.05 | 0-0.05 | 0.02 | 0-0.02 | 0.02 | 0-0.01 |
| Oct | 0.67 | 0.05-0.43 | 0.22 | 0.02-0.13 | 0.15 | 0.02-0.08 |
| Nov | 2.01 | 0.41-1.01 | 1.1 | 0.38-0.42 | 0.7 | 0.3-0.24 |
| Dec | 5.82 | 0.46-4.22 | 1.98 | 0.22-1.35 | 1.2 | 0.17-0.73 |

Table 18. Arklow Bank. Design-based estimates of Black-headed gull density (birds/km²) 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. |
| Jan | 1.49 | 0.15-0.83 | 0.49 | 0.05-0.28 | 0.3 | 0.04-0.17 |
| Feb | 2.01 | 0.35-1.06 | 0.67 | 0.12-0.36 | 0.38 | 0.05-0.2 |
| 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 | 0.36 | 0-0.35 | 0.12 | 0-0.12 | 0.07 | 0-0.07 |
| Nov | 4.12 | 0.41-2.51 | 1.45 | 0.15-0.85 | 1.05 | 0.21-0.51 |
| Dec | 0.41 | 0-0.42 | 0.14 | 0-0.14 | 0.08 | 0-0.08 |

Table 19. Arklow Bank. Design-based estimates of Common gull density (birds/km²) 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. |
| 1 | 18.84 | 2.47-12.87 | 8.09 | 0.98-4.6 | 4.84 | 0.79-2.78 |
| 2 | 17.95 | 3.9-8.41 | 6.08 | 1.45-2.84 | 3.45 | 0.94-1.55 |
| 3 | 0.62 | 0.07-0.36 | 0.37 | 0.1-0.17 | 0.25 | 0.1-0.1 |
| 4 | 0.31 | 0.04-0.21 | 0.14 | 0.01-0.09 | 0.09 | 0.01-0.05 |
| 5 | 0 | 0-0 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| 6 | 0.23 | 0-0.23 | 0.07 | 0-0.08 | 0.04 | 0-0.04 |
| 7 | 0 | 0-0 | 0.03 | 0-0.03 | 0.01 | 0-0.01 |
| 8 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 9 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 10 | 0.05 | 0-0.05 | 0.07 | 0.02-0.03 | 0.08 | 0.03-0.03 |
| 11 | 4.17 | 0.93-2 | 2.38 | 0.91-0.92 | 1.46 | 0.6-0.56 |
| 12 | 6.23 | 0.62-4.76 | 2.22 | 0.33-1.63 | 1.49 | 0.37-0.91 |

Table 20. Arklow Bank. Design-based estimates of Common gull density (birds/km²) 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 | 7.16 | 1.08-4.04 | 4.21 | 0.43-2.86 | 2.51 | 0.4-1.57 |
| 2 | 13.82 | 3.98-6.31 | 4.7 | 1.41-2.09 | 2.67 | 0.77-1.21 |
| 3 | 0.31 | 0.04-0.19 | 0.27 | 0.08-0.12 | 0.18 | 0.06-0.07 |
| 4 | 0.04 | 0-0.04 | 0.05 | 0-0.04 | 0.04 | 0.01-0.02 |
| 5 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 6 | 0.23 | 0-0.22 | 0.07 | 0-0.07 | 0.04 | 0-0.04 |
| 7 | 0 | 0-0 | 0.03 | 0-0.03 | 0.01 | 0-0.01 |
| 8 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 9 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 10 | 0 | 0-0 | 0.05 | 0-0.03 | 0.07 | 0.02-0.03 |
| 11 | 2.01 | 0.62-0.98 | 1.52 | 0.6-0.6 | 0.96 | 0.4-0.38 |
| 12 | 5.41 | 0.36-4.35 | 1.93 | 0.24-1.53 | 1.32 | 0.31-0.83 |

Table 21. Arklow Bank. Design-based estimates of Common gull density (birds/km²) 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 | 11.68 | 0.88-9.15 | 3.88 | 0.28-3.05 | 2.33 | 0.16-1.76 |
| 2 | 4.13 | 0.27-2.33 | 1.37 | 0.12-0.77 | 0.78 | 0.11-0.43 |
| 3 | 0.31 | 0-0.25 | 0.1 | 0-0.08 | 0.07 | 0-0.05 |
| 4 | 0.27 | 0.04-0.16 | 0.09 | 0.01-0.06 | 0.05 | 0.01-0.03 |
| 5 | 0 | 0-0 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| 6 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 7 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 8 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 9 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 10 | 0.05 | 0-0.05 | 0.02 | 0-0.02 | 0.01 | 0-0.01 |
| 11 | 2.16 | 0.1-1.17 | 0.86 | 0.1-0.43 | 0.49 | 0.08-0.25 |
| 12 | 0.82 | 0.05-0.5 | 0.29 | 0.02-0.19 | 0.17 | 0.01-0.11 |

Table 22. Arklow Bank. Design-based estimates of Common scoter density (birds/km²) 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. |
| Jan | 0.1 | 0-0.1 | 0.03 | 0-0.03 | 0.02 | 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 | 0.04 | 0-0.03 |
| Nov | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Dec | 0.21 | 0-0.15 | 0.07 | 0-0.05 | 0.04 | 0-0.03 |

Table 23. Arklow Bank. Design-based estimates of Common scoter density (birds/km²) 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 | 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 | 0.03 | 0-0.03 |
| Nov | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Dec | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |

Table 24. Arklow Bank. Design-based estimates of Common scoter density (birds/km²) 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. |
| Jan | 0.1 | 0-0.1 | 0.03 | 0-0.03 | 0.02 | 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 25. Arklow Bank. Design-based estimates of Common tern density (birds/km²) 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. |
| 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 | 0.16-0.34 | 0.41 | 0.15-0.16 | 0.29 | 0.12-0.1 |
| May | 1.13 | 0-0.91 | 0.38 | 0-0.3 | 0.22 | 0-0.17 |
| Jun | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Jul | 0 | 0-0 | 0 | 0-0 | 0.06 | 0-0.06 |
| Aug | 4.63 | 2.16-1.49 | 1.76 | 0.84-0.55 | 1.15 | 0.64-0.32 |
| Sep | 0.85 | 0.23-0.33 | 1.36 | 0.46-0.55 | 1.23 | 0.33-0.6 |
| 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 26. Arklow Bank. Design-based estimates of Common tern density (birds/km²) 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 | 0.73 | 0.19-0.33 | 0.38 | 0.14-0.16 | 0.28 | 0.12-0.1 |
| May | 1.13 | 0-0.9 | 0.38 | 0-0.31 | 0.22 | 0-0.17 |
| Jun | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Jul | 0 | 0-0 | 0 | 0-0 | 0.06 | 0-0.06 |
| Aug | 4.07 | 1.8-1.43 | 1.57 | 0.67-0.55 | 1.05 | 0.55-0.29 |
| Sep | 0.85 | 0.23-0.33 | 1.36 | 0.46-0.54 | 1.23 | 0.32-0.59 |
| 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 27. Arklow Bank. Design-based estimates of Common tern density (birds/km²) 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. |
| 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 | 0.03 | 0-0.03 | 0.01 | 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 | 0.57 | 0.05-0.33 | 0.19 | 0.02-0.11 | 0.1 | 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 28. Arklow Bank. Design-based estimates of Cormorant density (birds/km²) 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. |
| Jan | 0.05 | 0-0.05 | 0.02 | 0-0.02 | 0.02 | 0-0.02 |
| Feb | 0 | 0-0 | 0.01 | 0-0.01 | 0.01 | 0-0.01 |
| 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 | 0.01 | 0-0.01 |
| Jul | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Aug | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Sep | 0.1 | 0-0.1 | 0.03 | 0-0.03 | 0.02 | 0-0.02 |
| Oct | 0.15 | 0-0.15 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| 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 29. Arklow Bank. Design-based estimates of Cormorant density (birds/km²) 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 | 0.01 | 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 | 0.05 | 0-0.05 | 0.02 | 0-0.02 | 0.01 | 0-0.01 |
| Oct | 0.15 | 0-0.15 | 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 30. Arklow Bank. Design-based estimates of Cormorant density (birds/km²) on the sea only 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 | 0.05 | 0-0.05 | 0.02 | 0-0.02 | 0.01 | 0-0.01 |
| Feb | 0 | 0-0 | 0.01 | 0-0.01 | 0.01 | 0-0.01 |
| 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 | 0.01 | 0-0.01 |
| Jul | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Aug | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Sep | 0.05 | 0-0.05 | 0.02 | 0-0.02 | 0.01 | 0-0.01 |
| 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 31. Arklow Bank. Design-based estimates of Cormorant / shag density (birds/km²) 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. |
| Jan | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Feb | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Mar | 0.15 | 0-0.15 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| Apr | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| May | 0.15 | 0-0.15 | 0.05 | 0-0.05 | 0.03 | 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 | 0-0.15 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |

Table 32. Arklow Bank. Design-based estimates of Cormorant / shag density (birds/km²) in flight only 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 | 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 33. Arklow Bank. Design-based estimates of Cormorant / shag density (birds/km²) 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. |
| Jan | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Feb | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Mar | 0.15 | 0-0.16 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| Apr | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| May | 0.15 | 0-0.15 | 0.05 | 0-0.05 | 0.03 | 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 | 0-0.16 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |

Table 34. Arklow Bank. Design-based estimates of Diver species density (birds/km²) 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. |
| Jan | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Feb | 0.31 | 0-0.3 | 0.1 | 0-0.1 | 0.09 | 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 35. Arklow Bank. Design-based estimates of Diver species density (birds/km²) in flight only 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 | 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 36. Arklow Bank. Design-based estimates of Diver species density (birds/km²) on the sea only 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 | 0.31 | 0-0.31 | 0.1 | 0-0.1 | 0.09 | 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 37. Arklow Bank. Design-based estimates of European storm petrel density (birds/km²) 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. |
| 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 | 0.15 | 0-0.15 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| 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 38. Arklow Bank. Design-based estimates of European storm petrel density (birds/km²) in flight only 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 | 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 | 0.15 | 0-0.15 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| 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 39. Arklow Bank. Design-based estimates of European storm petrel density (birds/km²) on the sea only 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 | 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 40. Arklow Bank. Design-based estimates of Fulmar density (birds/km²) 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. |
| Jan | 0 | 0-0 | 0 | 0-0 | 0.06 | 0-0.06 |
| Feb | 0 | 0-0 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| Mar | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Apr | 0.05 | 0-0.05 | 0.03 | 0-0.03 | 0.03 | 0-0.02 |
| May | 0 | 0-0 | 0.03 | 0-0.03 | 0.01 | 0-0.01 |
| Jun | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| Jul | 0 | 0-0 | 0.03 | 0-0.02 | 0.02 | 0-0.01 |
| Aug | 0 | 0-0 | 0.1 | 0-0.07 | 0.06 | 0-0.04 |
| Sep | 0.07 | 0-0.07 | 0.03 | 0-0.03 | 0.03 | 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 41. Arklow Bank. Design-based estimates of Fulmar density (birds/km²) 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 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| Mar | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Apr | 0.05 | 0-0.05 | 0.03 | 0-0.03 | 0.03 | 0-0.02 |
| May | 0 | 0-0 | 0.03 | 0-0.03 | 0.01 | 0-0.01 |
| Jun | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Jul | 0 | 0-0 | 0.02 | 0-0.02 | 0.01 | 0-0.01 |
| Aug | 0 | 0-0 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| Sep | 0.07 | 0-0.07 | 0.03 | 0-0.03 | 0.03 | 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 42. Arklow Bank. Design-based estimates of Fulmar density (birds/km²) 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. |
| Jan | 0 | 0-0 | 0 | 0-0 | 0.06 | 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 | 0 | 0-0 | 0 | 0-0 | 0.01 | 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 |
| 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 43. Arklow Bank. Design-based estimates of Gannet density (birds/km²) 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. |
| 1 | 0.07 | 0-0.08 | 0.05 | 0-0.04 | 0.04 | 0-0.04 |
| 2 | 0.15 | 0-0.15 | 0.1 | 0-0.07 | 0.14 | 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 |
| 11 | 0.31 | 0-0.21 | 0.12 | 0-0.08 | 0.07 | 0-0.04 |
| 12 | 0.31 | 0-0.22 | 0.16 | 0-0.1 | 0.12 | 0.01-0.06 |

Table 44. Arklow Bank. Design-based estimates of Gannet density (birds/km²) 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/km²) 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 46. Arklow Bank. Design-based estimates of Great black-backed gull density (birds/km²) 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. |
| 1 | 0.16 | 0-0.11 | 0.05 | 0-0.04 | 0.03 | 0-0.02 |
| 2 | 0 | 0-0 | 0.02 | 0-0.02 | 0.02 | 0-0.01 |
| 3 | 0 | 0-0 | 0.01 | 0-0.01 | 0.01 | 0-0.01 |
| 4 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 5 | 0 | 0-0 | 0 | 0-0 | 0.03 | 0-0.03 |
| 6 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 7 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 8 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 9 | 0.05 | 0-0.05 | 0.03 | 0-0.03 | 0.02 | 0-0.02 |
| 10 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 11 | 0.15 | 0-0.15 | 0.05 | 0-0.05 | 0.07 | 0-0.06 |
| 12 | 0.05 | 0-0.05 | 0.03 | 0-0.03 | 0.02 | 0-0.02 |

Table 47. Arklow Bank. Design-based estimates of Great black-backed gull density (birds/km²) 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 | 0-0.08 | 0.03 | 0-0.03 | 0.01 | 0-0.01 |
| 2 | 0 | 0-0 | 0.02 | 0-0.02 | 0.01 | 0-0.01 |
| 3 | 0 | 0-0 | 0.01 | 0-0.01 | 0.01 | 0-0.01 |
| 4 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 5 | 0 | 0-0 | 0 | 0-0 | 0.03 | 0-0.03 |
| 6 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 7 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 8 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 9 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 10 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 11 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 12 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |

Table 48. Arklow Bank. Design-based estimates of Great black-backed gull density (birds/km²) 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 | 0.07 | 0-0.07 | 0.03 | 0-0.03 | 0.01 | 0-0.01 |
| 2 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 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 | 0-0 | 0 | 0-0 |
| 6 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 7 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 8 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 9 | 0.05 | 0-0.05 | 0.03 | 0-0.03 | 0.02 | 0-0.02 |
| 10 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 11 | 0.15 | 0-0.15 | 0.05 | 0-0.05 | 0.07 | 0-0.07 |
| 12 | 0.05 | 0-0.05 | 0.03 | 0-0.03 | 0.02 | 0-0.02 |

Table 49. Arklow Bank. Design-based estimates of Great northern diver density (birds/km²) 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. |
| Jan | 0.15 | 0-0.15 | 0.05 | 0-0.05 | 0.06 | 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 | 0.03 | 0-0.03 | 0.01 | 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 | 0-0.16 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |

Table 50. Arklow Bank. Design-based estimates of Great northern diver density (birds/km²) 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 | 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 51. Arklow Bank. Design-based estimates of Great northern diver density (birds/km²) 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. |
| Jan | 0.15 | 0-0.16 | 0.05 | 0-0.05 | 0.06 | 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 | 0.03 | 0-0.03 | 0.01 | 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 | 0-0.15 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |

Table 52. Arklow Bank. Design-based estimates of Guillemot density (birds/km²) 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. |
| 1 | 50.94 | 28.24-13.06 | 20.47 | 12.59-4.26 | 12.02 | 7.85-2.41 |
| 2 | 15.85 | 6.15-6.49 | 6.6 | 2.9-2.24 | 4 | 1.95-1.24 |
| 3 | 0.51 | 0.05-0.29 | 0.45 | 0.13-0.2 | 0.43 | 0.16-0.16 |
| 4 | 4.22 | 1.78-1.39 | 2.29 | 1.28-0.57 | 2.11 | 1.41-0.4 |
| 5 | 65.33 | 15.04-35.36 | 46.21 | 25.13-13.24 | 36.98 | 24-8.29 |
| 6 | 2.08 | 0.71-0.76 | 2.16 | 1.31-0.46 | 2.28 | 1.61-0.37 |
| 7 | 13.11 | 8.03-2.88 | 14.2 | 10.6-1.96 | 17.39 | 14.12-1.74 |
| 8 | 19.56 | 11.53-4.71 | 18.24 | 13.09-2.88 | 17.06 | 13.4-2.02 |
| 9 | 11.52 | 6.03-3.12 | 12.02 | 8.86-1.76 | 12.08 | 9.77-1.29 |
| 10 | 17.68 | 9.82-4.8 | 11.45 | 7.83-2.09 | 9.98 | 7.66-1.39 |
| 11 | 20.79 | 9.82-6.77 | 17.73 | 11.09-3.76 | 13.68 | 9.67-2.2 |
| 12 | 18.63 | 6.98-6.78 | 8.21 | 4.14-2.38 | 6.08 | 3.77-1.35 |

Table 53. Arklow Bank. Design-based estimates of Guillemot density (birds/km²) 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 | 3.66 | 0.95-1.7 | 2.43 | 1.15-0.75 | 1.55 | 0.79-0.43 |
| 2 | 0.26 | 0-0.18 | 0.23 | 0.04-0.12 | 0.17 | 0.05-0.07 |
| 3 | 0 | 0-0 | 0.1 | 0-0.1 | 0.12 | 0-0.1 |
| 4 | 0.56 | 0-0.43 | 0.23 | 0.02-0.16 | 0.3 | 0.07-0.13 |
| 5 | 0.76 | 0.2-0.39 | 0.62 | 0.25-0.24 | 0.63 | 0.31-0.2 |
| 6 | 0.1 | 0-0.1 | 0.1 | 0-0.07 | 0.17 | 0.04-0.09 |
| 7 | 0.51 | 0-0.38 | 0.22 | 0.04-0.14 | 0.21 | 0.05-0.1 |
| 8 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 9 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 10 | 0.27 | 0-0.13 | 0.38 | 0.07-0.21 | 0.23 | 0.05-0.12 |
| 11 | 2.3 | 0.61-1.13 | 0.9 | 0.32-0.38 | 0.6 | 0.26-0.23 |
| 12 | 0.68 | 0.13-0.38 | 0.36 | 0.11-0.15 | 0.43 | 0.19-0.14 |

Table 54. Arklow Bank. Design-based estimates of Guillemot density (birds/km²) 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 | 47.28 | 25.81-12.63 | 18.04 | 10.62-4.1 | 10.47 | 6.49-2.35 |
| 2 | 15.6 | 5.94-6.31 | 6.36 | 2.9-2.25 | 3.83 | 1.8-1.28 |
| 3 | 0.51 | 0.05-0.28 | 0.35 | 0.12-0.14 | 0.31 | 0.12-0.1 |
| 4 | 3.66 | 1.43-1.32 | 2.06 | 1.11-0.54 | 1.81 | 1.14-0.37 |
| 5 | 64.57 | 15.13-33.48 | 45.59 | 24.75-13.58 | 36.35 | 23.56-7.99 |
| 6 | 1.98 | 0.71-0.75 | 2.06 | 1.21-0.47 | 2.11 | 1.46-0.36 |
| 7 | 12.6 | 7.57-2.84 | 13.99 | 10.34-1.96 | 17.18 | 14.06-1.73 |
| 8 | 19.56 | 11.28-4.68 | 18.24 | 13.24-2.84 | 17.06 | 13.43-2.03 |
| 9 | 11.52 | 6.43-3.02 | 12.02 | 8.7-1.71 | 12.08 | 9.67-1.3 |
| 10 | 17.41 | 9.28-4.92 | 11.07 | 7.6-2.1 | 9.75 | 7.4-1.38 |
| 11 | 18.49 | 8.4-6.18 | 16.83 | 10.48-3.59 | 13.08 | 9.26-2.17 |
| 12 | 17.95 | 6.64-6.66 | 7.85 | 3.94-2.32 | 5.66 | 3.38-1.33 |

Table 55. Arklow Bank. Design-based estimates of Herring gull density (birds/km²) 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. |
| 1 | 0.05 | 0-0.05 | 0.02 | 0-0.02 | 0.03 | 0-0.02 |
| 2 | 0.07 | 0-0.08 | 0.05 | 0-0.04 | 0.04 | 0-0.03 |
| 3 | 0.04 | 0-0.04 | 0.05 | 0-0.04 | 0.06 | 0.01-0.04 |
| 4 | 0.08 | 0-0.05 | 0.04 | 0-0.03 | 0.02 | 0-0.01 |
| 5 | 0 | 0-0 | 0.04 | 0-0.03 | 0.03 | 0-0.02 |
| 6 | 0 | 0-0 | 0.03 | 0-0.03 | 0.03 | 0-0.02 |
| 7 | 0 | 0-0 | 0.03 | 0-0.02 | 0.03 | 0-0.02 |
| 8 | 0.12 | 0-0.08 | 0.04 | 0-0.03 | 0.04 | 0-0.03 |
| 9 | 0 | 0-0 | 0 | 0-0 | 0.02 | 0-0.02 |
| 10 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 11 | 0.15 | 0-0.12 | 0.12 | 0-0.08 | 0.1 | 0-0.07 |
| 12 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |

Table 56. Arklow Bank. Design-based estimates of Herring gull density (birds/km²) 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 | 0-0 | 0 | 0-0 | 0.02 | 0-0.02 |
| 2 | 0.04 | 0-0.04 | 0.04 | 0-0.03 | 0.03 | 0-0.03 |
| 3 | 0.04 | 0-0.04 | 0.05 | 0-0.04 | 0.04 | 0.01-0.02 |
| 4 | 0.08 | 0-0.06 | 0.04 | 0-0.03 | 0.02 | 0-0.01 |
| 5 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 6 | 0 | 0-0 | 0.01 | 0-0.01 | 0.01 | 0-0.01 |
| 7 | 0 | 0-0 | 0.03 | 0-0.02 | 0.03 | 0-0.02 |
| 8 | 0.12 | 0-0.08 | 0.04 | 0-0.03 | 0.04 | 0-0.03 |
| 9 | 0 | 0-0 | 0 | 0-0 | 0.02 | 0-0.02 |
| 10 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 11 | 0.05 | 0-0.05 | 0.05 | 0-0.05 | 0.07 | 0-0.06 |
| 12 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |

Table 57. Arklow Bank. Design-based estimates of Herring gull density (birds/km²) 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 | 0.05 | 0-0.05 | 0.02 | 0-0.02 | 0.01 | 0-0.01 |
| 2 | 0.04 | 0-0.04 | 0.01 | 0-0.01 | 0.01 | 0-0.01 |
| 3 | 0 | 0-0 | 0 | 0-0 | 0.03 | 0-0.03 |
| 4 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 5 | 0 | 0-0 | 0.04 | 0-0.03 | 0.02 | 0-0.01 |
| 6 | 0 | 0-0 | 0.01 | 0-0.01 | 0.02 | 0-0.02 |
| 7 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 8 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 9 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 10 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 11 | 0.1 | 0-0.1 | 0.07 | 0-0.05 | 0.04 | 0-0.03 |
| 12 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |

Table 58. Arklow Bank. Design-based estimates of Kittiwake density (birds/km²) 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. |
| 1 | 58.53 | 19.91-22.6 | 19.92 | 6.61-7.63 | 11.33 | 4.19-4.25 |
| 2 | 61.81 | 23.54-20.92 | 20.9 | 8.53-7.15 | 11.79 | 4.89-3.88 |
| 3 | 54.67 | 12.96-27.68 | 18.89 | 4.97-9.22 | 10.93 | 3.15-5.05 |
| 4 | 47.53 | 22.97-15.07 | 19.14 | 10.12-5.28 | 11.42 | 6.38-2.96 |
| 5 | 7.38 | 2.55-3.09 | 4.13 | 2.09-1.2 | 2.92 | 1.76-0.69 |
| 6 | 5.21 | 2.08-1.96 | 2.12 | 1.04-0.7 | 1.46 | 0.71-0.44 |
| 7 | 2.01 | 0.62-0.81 | 1.81 | 0.81-0.6 | 1.39 | 0.7-0.44 |
| 8 | 5.75 | 1.04-2.98 | 2.15 | 0.6-1 | 1.47 | 0.5-0.6 |
| 9 | 0.82 | 0.05-0.42 | 0.55 | 0.2-0.21 | 0.49 | 0.23-0.16 |
| 10 | 15.8 | 2.37-10.92 | 6.39 | 1.43-3.86 | 3.66 | 0.82-2.24 |
| 11 | 33.46 | 4.89-17.52 | 12.74 | 2.72-6.56 | 7.52 | 2.01-3.51 |
| 12 | 28.73 | 9.26-12.87 | 15.49 | 4.2-7.65 | 8.8 | 2.4-4.25 |

Table 59. Arklow Bank. Design-based estimates of Kittiwake density (birds/km²) 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 | 12.41 | 4.84-4.44 | 4.53 | 1.86-1.54 | 2.71 | 1.25-0.89 |
| 2 | 41.97 | 16.17-14.28 | 14.18 | 5.86-4.79 | 8.01 | 3.6-2.65 |
| 3 | 11.43 | 4.63-4.05 | 4.22 | 1.77-1.38 | 2.7 | 1.31-0.81 |
| 4 | 8.61 | 4.48-2.46 | 4.53 | 2.73-1.01 | 2.99 | 1.91-0.59 |
| 5 | 2.82 | 1.12-1.06 | 1.79 | 0.96-0.46 | 1.38 | 0.88-0.28 |
| 6 | 2.51 | 1.08-0.88 | 1.19 | 0.63-0.32 | 0.83 | 0.44-0.22 |
| 7 | 1.08 | 0.23-0.56 | 0.73 | 0.3-0.24 | 0.58 | 0.3-0.16 |
| 8 | 0.89 | 0.27-0.42 | 0.48 | 0.18-0.17 | 0.43 | 0.23-0.12 |
| 9 | 0.77 | 0.05-0.43 | 0.51 | 0.17-0.21 | 0.45 | 0.2-0.15 |
| 10 | 2.88 | 1.08-1.1 | 1.64 | 0.82-0.51 | 1.01 | 0.52-0.29 |
| 11 | 6.02 | 2.06-2.5 | 3.23 | 1.47-1.04 | 1.95 | 0.91-0.64 |
| 12 | 19.05 | 4.48-10.02 | 6.77 | 1.9-3.34 | 3.94 | 1.19-1.9 |

Table 60. Arklow Bank. Design-based estimates of Kittiwake density (birds/km²) 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 | 46.13 | 12.96-19.24 | 15.39 | 4.55-6.43 | 8.62 | 2.51-3.57 |
| 2 | 19.84 | 6.52-7.78 | 6.72 | 2.31-2.55 | 3.77 | 1.49-1.42 |
| 3 | 43.24 | 7.1-24.68 | 14.67 | 2.82-8.09 | 8.22 | 1.57-4.51 |
| 4 | 38.92 | 16.29-13.88 | 14.62 | 6.87-4.78 | 8.43 | 4.04-2.71 |
| 5 | 4.56 | 0.85-2.42 | 2.33 | 0.85-0.96 | 1.55 | 0.68-0.56 |
| 6 | 2.7 | 0.73-1.28 | 0.92 | 0.28-0.43 | 0.63 | 0.2-0.27 |
| 7 | 0.93 | 0.12-0.5 | 1.08 | 0.3-0.48 | 0.8 | 0.24-0.37 |
| 8 | 4.86 | 0.66-2.59 | 1.68 | 0.28-0.84 | 1.04 | 0.25-0.49 |
| 9 | 0.05 | 0-0.05 | 0.03 | 0-0.03 | 0.04 | 0-0.03 |
| 10 | 12.92 | 0.67-10.83 | 4.75 | 0.32-3.72 | 2.66 | 0.16-2.04 |
| 11 | 27.44 | 2.98-16.28 | 9.51 | 0.96-5.88 | 5.57 | 0.81-3.21 |
| 12 | 9.68 | 1.9-5.17 | 8.72 | 0.96-5.74 | 4.86 | 0.54-3.08 |

Table 61. Arklow Bank. Design-based estimates of Lesser black-backed gull density (birds/km²) 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. |
| 1 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 2 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 3 | 0.12 | 0-0.09 | 0.06 | 0-0.05 | 0.07 | 0-0.06 |
| 4 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 5 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 6 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 7 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 8 | 0 | 0-0 | 0 | 0-0 | 0.02 | 0-0.02 |
| 9 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 10 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 11 | 0 | 0-0 | 0.03 | 0-0.03 | 0.01 | 0-0.01 |
| 12 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |

Table 62. Arklow Bank. Design-based estimates of Lesser black-backed gull density (birds/km²) 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 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 2 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 3 | 0.12 | 0-0.09 | 0.06 | 0-0.05 | 0.07 | 0-0.06 |
| 4 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 5 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 6 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 7 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 8 | 0 | 0-0 | 0 | 0-0 | 0.02 | 0-0.01 |
| 9 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 10 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 11 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 12 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |

Table 63. Arklow Bank. Design-based estimates of Lesser black-backed gull density (birds/km²) 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 | 0-0 | 0 | 0-0 |
| 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 | 0-0 | 0 | 0-0 |
| 6 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 7 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 8 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 9 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 10 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 11 | 0 | 0-0 | 0.03 | 0-0.03 | 0.01 | 0-0.01 |
| 12 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |

Table 64. Arklow Bank. Design-based estimates of little gull density (birds/km²) 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. |
| Jan | 15.55 | 1.03-9.72 | 5.18 | 0.39-3.13 | 2.92 | 0.24-1.75 |
| Feb | 5.52 | 0.77-3.83 | 1.87 | 0.27-1.24 | 1.05 | 0.15-0.7 |
| Mar | 1.95 | 0.05-1.34 | 0.99 | 0.26-0.49 | 0.58 | 0.17-0.28 |
| Apr | 0.38 | 0-0.26 | 0.16 | 0-0.1 | 0.09 | 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 | 0.1 | 0-0.08 | 0.06 | 0-0.04 |
| Aug | 0.38 | 0-0.26 | 0.16 | 0.03-0.09 | 0.1 | 0.03-0.05 |
| Sep | 2.68 | 0.1-1.71 | 1.04 | 0.15-0.58 | 0.67 | 0.14-0.38 |
| Oct | 7.31 | 1.24-3.77 | 2.82 | 0.68-1.33 | 1.63 | 0.43-0.75 |
| Nov | 11.74 | 4.02-4.54 | 4.02 | 1.47-1.53 | 2.68 | 1.13-0.9 |
| Dec | 17.61 | 3.5-8.26 | 6.85 | 1.23-3.48 | 3.84 | 0.68-1.95 |

Table 65. Arklow Bank. Design-based estimates of little gull density (birds/km²) 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 | 11.84 | 1.18-7.13 | 3.95 | 0.32-2.4 | 2.23 | 0.26-1.33 |
| Feb | 2.24 | 0.5-1.25 | 0.77 | 0.15-0.43 | 0.43 | 0.09-0.23 |
| Mar | 1.39 | 0-0.89 | 0.7 | 0.21-0.31 | 0.4 | 0.12-0.17 |
| Apr | 0.07 | 0-0.07 | 0.05 | 0-0.04 | 0.03 | 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 | 0.1 | 0-0.07 | 0.06 | 0-0.04 |
| Aug | 0.38 | 0-0.24 | 0.13 | 0-0.07 | 0.09 | 0.01-0.05 |
| Sep | 1.75 | 0.05-1.33 | 0.7 | 0.07-0.46 | 0.45 | 0.09-0.26 |
| Oct | 3.19 | 0.46-1.92 | 1.42 | 0.34-0.76 | 0.84 | 0.21-0.42 |
| Nov | 7.83 | 2.01-3.57 | 2.67 | 0.8-1.15 | 1.58 | 0.52-0.66 |
| Dec | 16.47 | 3.29-7.75 | 5.98 | 1.13-3.08 | 3.35 | 0.61-1.75 |

Table 66. Arklow Bank. Design-based estimates of little gull density (birds/km²) 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. |
| Jan | 3.71 | 0-2.69 | 1.23 | 0-0.83 | 0.68 | 0-0.5 |
| Feb | 3.28 | 0.07-2.73 | 1.1 | 0.04-0.9 | 0.62 | 0.03-0.5 |
| Mar | 0.56 | 0-0.58 | 0.29 | 0.02-0.23 | 0.18 | 0.02-0.13 |
| Apr | 0.31 | 0-0.19 | 0.1 | 0-0.06 | 0.06 | 0-0.04 |
| 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 | 0-0.03 | 0.01 | 0-0.01 |
| Sep | 0.93 | 0-0.58 | 0.34 | 0.02-0.22 | 0.23 | 0.01-0.15 |
| Oct | 4.12 | 0.26-2.84 | 1.4 | 0.1-0.91 | 0.79 | 0.08-0.54 |
| Nov | 3.91 | 1.08-1.67 | 1.35 | 0.37-0.56 | 1.1 | 0.35-0.41 |
| Dec | 1.08 | 0-0.74 | 0.86 | 0.03-0.57 | 0.47 | 0.02-0.31 |

Table 67. Arklow Bank. Design-based estimates of Manx shearwater density (birds/km²) 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. |
| 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 | 3.7 | 0.77-1.88 | 2.36 | 0.91-0.93 | 2.11 | 1.06-0.63 |
| May | 4.44 | 0.19-3.52 | 5.74 | 1.3-3.01 | 5.44 | 2.21-2.04 |
| Jun | 4.52 | 1-2.29 | 2.32 | 0.76-1.01 | 1.62 | 0.67-0.6 |
| Jul | 1.43 | 0.19-0.79 | 1.34 | 0.42-0.6 | 2.6 | 0.76-1.2 |
| Aug | 8.03 | 1.27-4.2 | 4.13 | 1.3-1.67 | 3.24 | 1.31-1.16 |
| Sep | 1.44 | 0.05-1.26 | 0.96 | 0.17-0.52 | 0.74 | 0.25-0.31 |
| 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 68. Arklow Bank. Design-based estimates of Manx shearwater density (birds/km²) 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 | 0.01 | 0-0.01 |
| Apr | 1.08 | 0.35-0.42 | 1.08 | 0.48-0.36 | 0.92 | 0.45-0.3 |
| May | 0.42 | 0-0.3 | 1.66 | 0.4-0.89 | 1.84 | 0.74-0.68 |
| Jun | 3.01 | 0.42-1.94 | 1.47 | 0.44-0.74 | 1.08 | 0.42-0.49 |
| Jul | 1.08 | 0.16-0.64 | 0.77 | 0.31-0.3 | 0.96 | 0.3-0.52 |
| Aug | 0.35 | 0-0.27 | 0.58 | 0.16-0.31 | 0.51 | 0.22-0.2 |
| Sep | 0.26 | 0.05-0.14 | 0.38 | 0.1-0.19 | 0.35 | 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 69. Arklow Bank. Design-based estimates of Manx shearwater density (birds/km²) 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. |
| 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 | 2.62 | 0.23-1.57 | 1.28 | 0.22-0.67 | 1.2 | 0.44-0.44 |
| May | 4.02 | 0.12-3.45 | 4.09 | 0.44-2.63 | 3.6 | 1.13-1.7 |
| Jun | 1.5 | 0.08-0.91 | 0.85 | 0.09-0.5 | 0.54 | 0.06-0.29 |
| Jul | 0.35 | 0-0.25 | 0.58 | 0.03-0.38 | 1.64 | 0.21-1.03 |
| Aug | 7.68 | 1.24-4.14 | 3.55 | 1.08-1.53 | 2.73 | 0.88-1.1 |
| Sep | 1.18 | 0-1.17 | 0.58 | 0-0.42 | 0.4 | 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 70. Arklow Bank. Design-based estimates of Puffin density (birds/km²) 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. |
| Jan | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Feb | 0.15 | 0-0.16 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| Mar | 0.31 | 0-0.21 | 0.1 | 0-0.07 | 0.06 | 0-0.04 |
| Apr | 0 | 0-0 | 0 | 0-0 | 0.04 | 0-0.04 |
| May | 0.07 | 0-0.07 | 0.07 | 0-0.04 | 0.12 | 0.03-0.06 |
| Jun | 0.05 | 0-0.05 | 0.05 | 0-0.05 | 0.05 | 0-0.04 |
| Jul | 0.07 | 0-0.07 | 0.09 | 0-0.06 | 0.13 | 0.02-0.07 |
| Aug | 0.07 | 0-0.08 | 0.06 | 0-0.05 | 0.12 | 0.01-0.08 |
| Sep | 0 | 0-0 | 0 | 0-0 | 0.03 | 0-0.03 |
| Oct | 0.16 | 0-0.16 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| Nov | 0 | 0-0 | 0.03 | 0-0.03 | 0.01 | 0-0.01 |
| Dec | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |

Table 71. Arklow Bank. Design-based estimates of Puffin density (birds/km²) 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 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| May | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Jun | 0.05 | 0-0.05 | 0.02 | 0-0.02 | 0.01 | 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 72. Arklow Bank. Design-based estimates of Puffin density (birds/km²) 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. |
| Jan | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Feb | 0.15 | 0-0.16 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| Mar | 0.31 | 0-0.21 | 0.1 | 0-0.07 | 0.06 | 0-0.04 |
| Apr | 0 | 0-0 | 0 | 0-0 | 0.04 | 0-0.04 |
| May | 0.07 | 0-0.08 | 0.07 | 0-0.04 | 0.12 | 0.03-0.06 |
| Jun | 0 | 0-0 | 0.03 | 0-0.03 | 0.04 | 0-0.04 |
| Jul | 0.07 | 0-0.08 | 0.09 | 0-0.06 | 0.13 | 0.01-0.07 |
| Aug | 0.07 | 0-0.07 | 0.06 | 0-0.05 | 0.12 | 0.01-0.08 |
| Sep | 0 | 0-0 | 0 | 0-0 | 0.03 | 0-0.03 |
| Oct | 0.16 | 0-0.15 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| Nov | 0 | 0-0 | 0.03 | 0-0.03 | 0.01 | 0-0.01 |
| Dec | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |

Table 73. Arklow Bank. Design-based estimates of Razorbill density (birds/km²) 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. |
| 1 | 45.96 | 20.9-15.63 | 17.14 | 8.28-5.28 | 9.69 | 4.71-3.01 |
| 2 | 18.61 | 6.33-7.49 | 7.34 | 3-2.58 | 4.37 | 1.91-1.49 |
| 3 | 4.93 | 1.68-1.91 | 2.21 | 1.04-0.67 | 1.5 | 0.78-0.42 |
| 4 | 3.21 | 1.4-1.08 | 2.18 | 1.22-0.56 | 1.69 | 1.01-0.38 |
| 5 | 2.47 | 0.37-1.4 | 2.5 | 1.19-0.8 | 2.04 | 1.17-0.51 |
| 6 | 0.47 | 0-0.39 | 0.39 | 0.12-0.18 | 0.28 | 0.11-0.1 |
| 7 | 1.16 | 0.32-0.51 | 1.72 | 0.99-0.42 | 2.12 | 1.48-0.36 |
| 8 | 12.42 | 4.23-5.46 | 10.38 | 6.18-2.48 | 10.73 | 7.26-1.92 |
| 9 | 8.43 | 4.03-2.7 | 13.18 | 8.42-2.55 | 12.99 | 9.34-1.96 |
| 10 | 5.95 | 2.6-2.1 | 3.25 | 1.77-0.86 | 2.41 | 1.55-0.51 |
| 11 | 18.23 | 7.81-6.64 | 8.22 | 4.18-2.36 | 6.04 | 3.47-1.5 |
| 12 | 34.05 | 9.43-15.35 | 13.12 | 4.1-5.51 | 7.82 | 2.84-3.03 |

Table 74. Arklow Bank. Design-based estimates of Razorbill density (birds/km²) 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 | 1.92 | 0.19-1.18 | 0.84 | 0.14-0.44 | 0.48 | 0.1-0.25 |
| 2 | 1.49 | 0.28-0.77 | 0.72 | 0.23-0.31 | 0.53 | 0.2-0.19 |
| 3 | 0.18 | 0-0.13 | 0.12 | 0.01-0.06 | 0.13 | 0.02-0.07 |
| 4 | 0.37 | 0-0.3 | 0.18 | 0.01-0.12 | 0.14 | 0.03-0.08 |
| 5 | 0 | 0-0 | 0.04 | 0-0.04 | 0.09 | 0-0.07 |
| 6 | 0 | 0-0 | 0.03 | 0-0.02 | 0.03 | 0-0.03 |
| 7 | 0.09 | 0-0.09 | 0.03 | 0-0.03 | 0.03 | 0-0.03 |
| 8 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 9 | 0 | 0-0 | 0.06 | 0-0.04 | 0.08 | 0.02-0.03 |
| 10 | 1.06 | 0.06-0.68 | 0.58 | 0.1-0.31 | 0.36 | 0.07-0.18 |
| 11 | 1.55 | 0.37-0.75 | 0.6 | 0.1-0.29 | 0.39 | 0.12-0.17 |
| 12 | 1.68 | 0.43-0.77 | 0.6 | 0.16-0.26 | 0.39 | 0.12-0.17 |

Table 75. Arklow Bank. Design-based estimates of Razorbill density (birds/km²) 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 | 44.04 | 19.35-15.66 | 16.29 | 7.91-5.2 | 9.21 | 4.53-2.93 |
| 2 | 17.12 | 5.12-7.18 | 6.62 | 2.41-2.52 | 3.83 | 1.48-1.44 |
| 3 | 4.74 | 1.44-1.84 | 2.08 | 0.96-0.65 | 1.37 | 0.68-0.39 |
| 4 | 2.84 | 1.11-0.93 | 1.99 | 1.09-0.52 | 1.54 | 0.92-0.35 |
| 5 | 2.47 | 0.47-1.4 | 2.46 | 1.16-0.81 | 1.95 | 1.11-0.5 |
| 6 | 0.47 | 0-0.41 | 0.36 | 0.11-0.17 | 0.24 | 0.09-0.1 |
| 7 | 1.07 | 0.28-0.44 | 1.68 | 0.96-0.42 | 2.09 | 1.45-0.36 |
| 8 | 12.42 | 4.1-5.57 | 10.38 | 6.09-2.41 | 10.73 | 7.47-1.88 |
| 9 | 8.43 | 3.97-2.58 | 13.12 | 8.26-2.59 | 12.91 | 9.37-1.99 |
| 10 | 4.9 | 1.86-1.84 | 2.68 | 1.42-0.77 | 2.05 | 1.23-0.47 |
| 11 | 16.68 | 6.01-6.64 | 7.62 | 3.75-2.34 | 5.65 | 3.22-1.42 |
| 12 | 32.38 | 7.62-15.38 | 12.53 | 3.52-5.62 | 7.43 | 2.44-3 |

Table 76. Arklow Bank. Design-based estimates of Red-throated diver density (birds/km²) 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. |
| Jan | 2.52 | 0.92-0.97 | 0.94 | 0.36-0.33 | 0.57 | 0.24-0.19 |
| Feb | 1.58 | 0.5-0.66 | 0.68 | 0.26-0.24 | 0.41 | 0.17-0.14 |
| Mar | 1.2 | 0.42-0.44 | 0.51 | 0.22-0.17 | 0.32 | 0.14-0.1 |
| Apr | 1.97 | 0.5-0.9 | 0.72 | 0.24-0.3 | 0.44 | 0.15-0.18 |
| May | 0.87 | 0.2-0.42 | 0.34 | 0.1-0.14 | 0.21 | 0.07-0.08 |
| Jun | 0.16 | 0-0.16 | 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 | 0.07 | 0-0.07 | 0.03 | 0-0.03 | 0.01 | 0-0.01 |
| Oct | 0.62 | 0.05-0.34 | 0.2 | 0.02-0.12 | 0.12 | 0.01-0.06 |
| Nov | 0.26 | 0.05-0.15 | 0.12 | 0.02-0.06 | 0.11 | 0.02-0.06 |
| Dec | 1.39 | 0.51-0.48 | 0.55 | 0.25-0.17 | 0.41 | 0.19-0.12 |

Table 77. Arklow Bank. Design-based estimates of Red-throated diver density (birds/km²) 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 | 0.02 | 0-0.02 | 0.01 | 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 | 0.01 | 0-0.01 |
| Dec | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |

Table 78. Arklow Bank. Design-based estimates of Red-throated diver density (birds/km²) 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. |
| Jan | 2.52 | 0.87-0.96 | 0.92 | 0.36-0.34 | 0.56 | 0.24-0.19 |
| Feb | 1.58 | 0.46-0.67 | 0.68 | 0.28-0.24 | 0.41 | 0.17-0.14 |
| Mar | 1.2 | 0.42-0.44 | 0.51 | 0.22-0.17 | 0.32 | 0.15-0.1 |
| Apr | 1.97 | 0.5-0.91 | 0.72 | 0.24-0.3 | 0.44 | 0.16-0.17 |
| May | 0.87 | 0.2-0.42 | 0.34 | 0.1-0.14 | 0.21 | 0.07-0.08 |
| Jun | 0.16 | 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 | 0.07 | 0-0.08 | 0.03 | 0-0.03 | 0.01 | 0-0.01 |
| Oct | 0.62 | 0.05-0.35 | 0.2 | 0.03-0.11 | 0.12 | 0.01-0.06 |
| Nov | 0.26 | 0.05-0.15 | 0.12 | 0.02-0.06 | 0.1 | 0.01-0.05 |
| Dec | 1.39 | 0.57-0.47 | 0.55 | 0.26-0.17 | 0.4 | 0.19-0.11 |

Table 79. Arklow Bank. Design-based estimates of Roseate Tern density (birds/km²) 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. |
| 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 | 0.1 | 0-0.1 | 0.06 | 0-0.05 |
| 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 80. Arklow Bank. Design-based estimates of Roseate Tern density (birds/km²) 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 | 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 | 0.1 | 0-0.1 | 0.06 | 0-0.06 |
| 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 81. Arklow Bank. Design-based estimates of Roseate Tern density (birds/km²) 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. |
| 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 82. Arklow Bank. Design-based estimates of Sandwich tern density (birds/km²) 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. |
| 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 | 0.04 | 0-0.04 | 0.04 | 0.01-0.03 |
| 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 | 0.03 | 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 | 0-0 |
| Nov | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Dec | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |

Table 83. Arklow Bank. Design-based estimates of Sandwich tern density (birds/km²) 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 | 0-0 | 0.04 | 0-0.04 | 0.04 | 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 | 0.03 | 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 | 0-0 |
| Nov | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| Dec | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |

Table 84. Arklow Bank. Design-based estimates of Sandwich tern density (birds/km²) 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. |
| 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 85. Arklow Bank. Design-based estimates of Shag density (birds/km²) 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. |
| 1 | 0.72 | 0.15-0.38 | 0.24 | 0.05-0.13 | 0.13 | 0.03-0.07 |
| 2 | 0.89 | 0.07-0.53 | 0.3 | 0.03-0.18 | 0.16 | 0.01-0.1 |
| 3 | 0.77 | 0.1-0.51 | 0.26 | 0.03-0.17 | 0.14 | 0.03-0.09 |
| 4 | 0.05 | 0-0.05 | 0.02 | 0-0.02 | 0.01 | 0-0.01 |
| 5 | 0.1 | 0-0.07 | 0.05 | 0-0.03 | 0.06 | 0.01-0.03 |
| 6 | 0.05 | 0-0.05 | 0.02 | 0-0.02 | 0.02 | 0-0.01 |
| 7 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 8 | 0.26 | 0-0.17 | 0.09 | 0-0.06 | 0.08 | 0-0.06 |
| 9 | 0 | 0-0 | 0.1 | 0-0.08 | 0.06 | 0-0.04 |
| 10 | 0.15 | 0-0.15 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| 11 | 0.26 | 0-0.18 | 0.09 | 0-0.06 | 0.05 | 0-0.03 |
| 12 | 0.46 | 0-0.3 | 0.19 | 0-0.12 | 0.1 | 0-0.07 |

Table 86. Arklow Bank. Design-based estimates of Shag density (birds/km²) 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 | 0.05 | 0-0.05 | 0.02 | 0-0.02 | 0.01 | 0-0.01 |
| 2 | 0.04 | 0-0.04 | 0.01 | 0-0.01 | 0.01 | 0-0.01 |
| 3 | 0.26 | 0-0.26 | 0.09 | 0-0.08 | 0.05 | 0-0.05 |
| 4 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 5 | 0.05 | 0-0.05 | 0.03 | 0-0.02 | 0.03 | 0-0.02 |
| 6 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 7 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 8 | 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 |
| 10 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 11 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 12 | 0 | 0-0 | 0.03 | 0-0.03 | 0.02 | 0-0.02 |

Table 87. Arklow Bank. Design-based estimates of Shag density (birds/km²) 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 | 0.67 | 0.1-0.37 | 0.22 | 0.03-0.12 | 0.12 | 0.02-0.07 |
| 2 | 0.85 | 0.04-0.52 | 0.28 | 0.01-0.17 | 0.16 | 0.01-0.09 |
| 3 | 0.51 | 0.1-0.26 | 0.17 | 0.03-0.08 | 0.1 | 0.02-0.05 |
| 4 | 0.05 | 0-0.05 | 0.02 | 0-0.02 | 0.01 | 0-0.01 |
| 5 | 0.05 | 0-0.05 | 0.02 | 0-0.02 | 0.03 | 0-0.02 |
| 6 | 0.05 | 0-0.05 | 0.02 | 0-0.02 | 0.02 | 0-0.01 |
| 7 | 0 | 0-0 | 0 | 0-0 | 0.01 | 0-0.01 |
| 8 | 0.26 | 0-0.17 | 0.09 | 0-0.06 | 0.07 | 0-0.05 |
| 9 | 0 | 0-0 | 0 | 0-0 | 0 | 0-0 |
| 10 | 0.15 | 0-0.16 | 0.05 | 0-0.05 | 0.03 | 0-0.03 |
| 11 | 0.26 | 0-0.17 | 0.09 | 0-0.06 | 0.05 | 0-0.03 |
| 12 | 0.46 | 0-0.31 | 0.15 | 0-0.1 | 0.09 | 0-0.05 |

REFERENCES

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