codling wind park

# Environmental Impact Assessment Report

## Volume 4

## Appendix 13.3 Offshore Bat Results Tables


codling
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## Abbreviations

| Abbreviation | Term in Full |
|---|---|
| BAI | Bat Activity Index |
| CWP | Codling Wind Park |
| EIAR | Environmental Impact Assessment Report |
| E-SE | East-Southeast |
| NE-E | Northeast-East |
| OWF | Offshore wind farm |
| SW-W | Southwest-West |
| W-NW | West-Northwest |

## Definitions

| Glossary | Meaning |
|---|---|
| Codling Wind Park (CWP) Project | The proposed development as a whole is referred to as the Codling Wind Park (CWP) Project, comprising of the offshore infrastructure, the onshore infrastructure and any associated temporary works. |
| Environmental Impact Assessment (EIA) | A systematic means of assessing the likely significant effects of a proposed project, undertaken in accordance with the EIA Directive and the relevant Irish legislation. |
| Environmental Impact Assessment Report (EIAR) | The report prepared by the Applicant to describe the findings of the EIA for the CWP Project. |
| offshore development area | The total footprint of the offshore infrastructure and associated temporary works including the array site and the Offshore Export Cable Corridor (OECC). |
| offshore export cable corridor (OECC) | The area between the array site and the landfall, within which the offshore export cables will be installed along with cable protection and other temporary infrastructure for construction. |

# APPENDIX 13.3 OFFSHORE BATS RESULTS TABLES

## 1 Introduction

1. Codling Wind Park Limited (hereafter 'the Applicant') is proposing to develop the Codling Wind Park (CWP) Project, which is located in the Irish sea approximately 13 - 22 km off the east coast of Ireland, at County Wicklow.

2. This appendix forms part of **Chapter 13 Offshore Bats** of the Environmental Impact Assessment Report (EIAR) for the CWP Project.

## 2 CWP Static Detector Results

### 2.1 Summary of weather conditions

3. In addition to the information provided in **Chapter 13 Section 13.4**, further information regarding the suitability of the weather for migration during the CWP baseline surveys is provided in **Table 1.** Wind directions suitable for movement towards Ireland are considered to be east-southeast and north-east-east. While west-north westerlies / southwest-westerly winds were considered potentially favourable for migration towards Wales.

Table 1 Count of night-time hours with different weather conditions and suitability for migration during the bat detector deployments.

| Number of hours | | Weather conditions | | Wind direction | | | Suitable weather and direction for migration through CWP | | Hours with weather or wind direction not suitable for bat migration through CWP |
|---|---|---|---|---|---|---|---|---|---|
| | | Suitable for migration - Above 13°C and below 5 m/s | Not suitable for migration - Below 13°C and/or above 5 m/s | Suitable for travel Ireland to Wales (W-NW/SW-W) | Suitable for travel Wales to Ireland (E-SE/NE-E) | Other | **Suitable for travel Ireland to Wales (W-NW/SW-W)** | **Suitable for travel Wales to Ireland (E-SE/NE-E)** | |
| **Spring** | **Ireland** | 117 | 721 | 389 | 177 | 272 | **61** | **15** | 762 |
| | **Wales** | 38 | 766 | 179 | 198 | 427 | **7** | **13** | 703 |
| **Autumn** | **Ireland** | 234 | 867 | 345 | 176 | 580 | **32** | **89** | 980 |
| | **Wales** | 218 | 989 | 249 | 203 | 755 | **17** | **88** | 1102 |

## 2.2 Species by weather conditions

4. Additional information on the bat passes recorded during different weather conditions is provided in **Table 2.**

5. Information on the wind direction during recordings is provided in **Table 3.**

Table 2 Bat passes recorded as part of the CWP baseline during different weather conditions.

| | Species | Spring | | | | Autumn | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 13°c or above | Below 13°c | Wind speeds equal or less than 5 m / s | Wind speeds greater than 5 m / s | 13°c or above | Below 13°c | Wind speeds equal or less than 5 m / s | Wind speeds greater than 5 m / s |
| Ireland | Common pipistrelle | 7290 | 31995 | 23959 | 15326 | 18562 | 16840 | 22640 | 12762 |
| | Soprano pipistrelle | 1034 | 5466 | 3989 | 2511 | 3469 | 8595 | 7305 | 4759 |
| | Nathusius' pipistrelle | 10 | 76 | 63 | 23 | 18 | 18 | 30 | 6 |
| | Pipistrellus sp., | 712 | 1748 | 1479 | 981 | 463 | 72 | 425 | 110 |
| | Leisler's | 4960 | 3895 | 5818 | 3037 | 3335 | 2798 | 4719 | 1414 |
| | Noctule | - | - | - | - | - | - | - | - |
| | Nyctalus sp., | 279 | 331 | 470 | 140 | 291 | 219 | 414 | 96 |
| | Myotis sp., | 0 | 10 | 7 | 3 | 10 | 15 | 22 | 3 |
| | Brown long-eared | 4 | 2 | 3 | 3 | 39 | 29 | 56 | 12 |
| Wales | Common pipistrelle | 705 | 3280 | 3758 | 227 | 1708 | 1288 | 2815 | 181 |
| | Soprano pipistrelle | 0 | 2 | 1 | 1 | 11 | 3 | 12 | 2 |
| | Nathusius' pipistrelle | 15 | 20 | 34 | 1 | 2 | 2 | 2 | 2 |
| | Pipistrellus sp., | 31 | 133 | 156 | 8 | 6 | 18 | 24 | 0 |
| | Leisler's | - | - | - | - | - | - | - | - |
| | Noctule | 77 | 383 | 358 | 102 | 131 | 12 | 125 | 18 |
| | Nyctalus sp., | 3 | 28 | 29 | 2 | 32 | 3 | 32 | 3 |
| | Myotis sp., | 22 | 114 | 113 | 23 | 113 | 78 | 143 | 48 |
| | Brown long-eared | 4 | 13 | 13 | 4 | 110 | 147 | 216 | 41 |

Table 3 All bat passes recorded during different wind directions.

| | Species | Wind direction - Spring | | | | | | | | Wind direction - Autumn | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | N - NE | **NE - E** | **E - SE** | SE - S | S - SW | **SW - W** | **W - NW** | NW - N | N - NE | **NE - E** | **E - SE** | SE - S | S - SW | **SW - W** | **W - NW** | NW - N |
| **Ireland** | Common pipistrelle | 159 | **1041** | **2729** | 3269 | 12294 | **18271** | **1346** | 176 | 137 | **1061** | **1284** | 4675 | 20409 | **6906** | **838** | 92 |
| | Soprano pipistrelle | 7 | **11** | **255** | 675 | 2177 | **3284** | **77** | 14 | 59 | **109** | **424** | 3264 | 6540 | **1575** | **87** | 6 |
| | Nathusius' pipistrelle | 2 | **3** | **1** | 1 | 21 | **54** | **4** | 0 | 2 | **2** | **2** | 1 | 14 | **4** | **11** | 0 |
| | Pipistrellus sp., | 8 | **15** | **28** | 282 | 1209 | **851** | **45** | 22 | 14 | **53** | **33** | 43 | 289 | **74** | **9** | 20 |
| | Leisler's | 60 | **271** | **225** | 272 | 2019 | **4260** | **1588** | 160 | 66 | **360** | **430** | 600 | 2516 | **1511** | **501** | 149 |
| | Nyctalus sp., | 19 | **78** | **13** | 21 | 114 | **254** | **103** | 8 | 16 | **59** | **19** | 40 | 181 | **154** | **38** | 3 |
| | Myotis sp., | 0 | **0** | **0** | 0 | 2 | **7** | **0** | 1 | 1 | **4** | **1** | 2 | 6 | **6** | **5** | 0 |
| | Brown long eared | 0 | **1** | **0** | 0 | 3 | **2** | **0** | 0 | 3 | **5** | **7** | 8 | 23 | **10** | **10** | 2 |
| **Wales** | Common pipistrelle | 617 | **717** | **315** | 211 | 1397 | **286** | **191** | 251 | 569 | **485** | **409** | 461 | 284 | **164** | **249** | 375 |
| | Soprano pipistrelle | 0 | **1** | **0** | 0 | 1 | **0** | **0** | 0 | 1 | **5** | **4** | 1 | 2 | **0** | **1** | 0 |
| | Nathusius' pipistrelle | 18 | **1** | **11** | 0 | 4 | **1** | **0** | 0 | 0 | **0** | **0** | 0 | 2 | **1** | **0** | 1 |
| | Pipistrellus sp., | 48 | **8** | **24** | 2 | 67 | **6** | **7** | 2 | 3 | **2** | **8** | 2 | 1 | **0** | **4** | 4 |
| | Noctule | 8 | **74** | **170** | 50 | 81 | **60** | **7** | 10 | 51 | **26** | **39** | 0 | 18 | **0** | **2** | 7 |
| | Nyctalus sp., | 5 | **10** | **5** | 0 | 8 | **3** | **0** | 0 | 13 | **12** | **3** | 2 | 3 | **0** | **0** | 2 |
| | Myotis sp., | 31 | **48** | **5** | 5 | 20 | **12** | **9** | 6 | 41 | **34** | **19** | 21 | 43 | **8** | **7** | 18 |
| | Brown long eared | 3 | **5** | **0** | 2 | 5 | **0** | **0** | 2 | 61 | **41** | **15** | 32 | 19 | **7** | **28** | 54 |

## 2.3 Peak nights in activity by each species

6. Peak nights of activity and maximum number of passes for all potentially migratory species is provided in **Table 4.**

Table 4 Peak activity by night of migratory species

| Species | Peak night in spring – Wales (number of passes) | Peak night in spring – Ireland (number of passes) | Peak night in autumn – Wales (number of passes) | Peak night in autumn – Ireland (number of passes) |
|---|---|---|---|---|
| Common pipistrelle | 13/05/2022 (378) | 13/04/2022 (1838)<br>*11/04/2022 (322) | 02/10/2022 (355) | 22/08/2022 (1809<br>*04/10/2022<br>(1060) |
| Soprano pipistrelle | 08/05/2022 (1)<br>14/05/2022 (1) | 18/05/2022 (375)<br>20/05/2022 (375)<br>*15/04/2022 (23)<br>22/05/2022 (23) | 21/08/2022 (3) | 05/11/2022 (1163)<br>*08/10/2022 (626) |
| Nathusius' Pipistrelle | 14/06/2022 (16) | 20/05/2022 (20)<br>*15/06/2022 (10) | 20/09/2022 (1)<br>28/09/2022 (1)<br>02/10/2022 (1)<br>11/10/2022 (1) | 09/09/2022 (3)<br>*02/10/2022 (3) |
| Pipistrellus sp., | 15/06/2022 (55) | 28/06/2022 (307)<br>*14/06/2022 (42) | 19/09/2022 (8) | 20/09/2022 (82)<br>*04/10/2022 (53) |
| Leisler's | - | 16/06/2022 (654)<br>*17/06/2022 (645) | - | 22/08/2022 (553)<br>*22/08/2022 (433) |
| Nyctalus sp., | 08/05/2022 (8) | 20/06/2022 (654)<br>*21/06/2022 (40) | 10/09/2022 (8) | 22/08/2022 (52)<br>*22/08/2022 (47) |

*Peak nights when Ireland 4 results are removed.

## 2.4 Detailed Nathusius' pipistrelle passes

7. Further information on the Nathusius bat passes during suitable weather conditions for migration, including the time of each call and weather conditions used to assess suitability for migration is provided in **Table 5**.

Table 5 Nathusius' calls during weather conditions suitable for migration.

| Location | Date | Time | Number of passes | Wind speed m/s | Wind direction | Direction of travel suggested by wind direction | Temp °C | Sunset | Minutes after sunset | Possible migration through the CWP project area? |
|---|---|---|---|---|---|---|---|---|---|---|
| Ireland 2 | 22/05/2022 | 04:12 | 1 | 4.5 | S-SW | Ireland to Isle of Man | 13.1 | 21:25 | 407 | No – Wind not towards Wales |
| Ireland 1 | 21/06/2022 | 22:53 | 1 | 1.9 | NE-E | Wales to Ireland | 15.6 | 21:55 | 58* | No – too early to have arrived that night and wind direction unsuitable for migration out of Ireland |
| Ireland 4 | 02/07/2022 | 23:33 | 1 | 4.1 | SW-W | Ireland to Wales | 13 | 21:53 | 100* | Yes |
| Ireland 1 | 08/07/2022 | 01:30 | 1 | 2.8 | W-NW | Ireland to Wales | 14 | 21:49 | 211 | Yes |
| Ireland 1 | 09/07/2022 | 04:13 | 1 | 3.2 | W-NW | Ireland to Wales | 15.3 | 21:49 | 384 | Yes |
| Ireland 4 | 09/07/2022 | 23:14 | 1 | 2.4 | W-NW | Ireland to Wales | 16.7 | 21:48 | 86* | Yes |
| Ireland 4 | 11/07/2022 | 23:12 | 1 | 4.2 | S-SW | Ireland to Isle of Man | 19.9 | 21:47 | 85* | No |
| Ireland 2 | 12/07/2022 | 22:27 | 1 | 4.2 | SW-W | Ireland to Wales | 16.5 | 21:46 | 41* | Yes |
| Ireland 3 | 29/08/2022 | 23:35 | 1 | 3.1 | NE-E | Wales to Ireland | 14.7 | 20:20 | 195 | Yes |
| Ireland 4 | 29/08/2022 | 23:36 | 1 | 3.1 | NE-E | Wales to Ireland | 14.7 | 20:20 | 196 | Yes |
| Ireland 3 | 03/09/2022 | 00:10 | 1 | 3.6 | NE-E | Wales to Ireland | 16 | 20:08 | 242 | Yes |

| Location | Date | Time | Number of passes | Wind speed m/s | Wind direction | Direction of travel suggested by wind direction | Temp °C | Sunset | Minutes after sunset | Possible migration through the CWP project area? |
|---|---|---|---|---|---|---|---|---|---|---|
| Ireland 3 | 03/09/2022 | 01:46 | 1 | 3.1 | NE-E | Wales to Ireland | 14.6 | 20:08 | 338 | Yes |
| Ireland 3 | 08/09/2022 | 22:18 | 1 | 2.3 | W-NW | Ireland to Wales | 13.5 | 19:57 | 141 | Yes |
| Ireland 3 | 09/09/2022 | 22:59 | 1 | 1.8 | W-NW | Ireland to Wales | 14 | 19:54 | 185 – 204 | Yes |
| Ireland 3 | 09/09/2022 | 23:18 | 1 | 1.8 | W-NW | Ireland to Wales | 14 | 19:54 | 185 – 204 | Yes |
| Ireland 4 | 10/09/2022 | 21:36 | 1 | 2.2 | E-SE | Wales to Ireland | 13.1 | 19:52 | 104 - 134 | Yes |
| Ireland 4 | 10/09/2022 | 22:06 | 1 | 2.2 | E-SE | Wales to Ireland | 13.1 | 19:52 | 104 - 134 | Yes |
| Ireland 3 | 15/09/2022 | 20:02 | 1 | 3.3 | W-NW | Ireland to Wales | 13.1 | 19:40 | 22* | Yes |
| Ireland 3 | 20/09/2022 | 01:21 | 1 | 1.9 | S-SW | Ireland to Isle of Man | 13.8 | 19:30 | 351 | No |
| Ireland 1 | 20/09/2022 | 23:25 | 1 | 2.9 | S-SW | Ireland to Isle of Man | 13.1 | 19:27 | 238 | No |
| Ireland 2 | 02/10/2022 | 19:53 | 2 | 1.7 | S-SW | Ireland to Isle of Man | 13.4 | 18:58 | 55* | No |
| Ireland 3 | 02/10/2022 | 23:09 | 1 | 1.6 | SE-S | Wales to Ireland** | 13 | 18:58 | 251 | No – southern Wales to Ireland if crossing at this location winds would push bats south of CWP. |
| Wales 1 | 02/06/2022 | 23:16 - 23:36 | 12 (9 after 23:20) | 2.9 | E-SE | Wales to Ireland | 13.7 | 21:37 | 98* - 118 | Yes, but also likely foraging |
| Wales 2 | 21/06/2022 | 22:27 | 1 | 2.6 | N-NE | Wales to Ireland** | 13.6 | 21:50 | 37* | No – if crossing at this location the winds would push bats south. |
| Wales 1 | 01/07/2022 | 00:14 | 1 | 3.6 | S-SW | Ireland to Isle of Man | 13.7 | 21:49 | 144 | No |

| Location | Date | Time | Number of passes | Wind speed m/s | Wind direction | Direction of travel suggested by wind direction | Temp °C | Sunset | Minutes after sunset | Possible migration through the CWP project area? |
|---|---|---|---|---|---|---|---|---|---|---|
| Wales 3 | 02/10/2022 | 21:01 | 1 | 1.5 | SW-W | Ireland to Wales | 13.6 | 18:53 | 128 | Yes |

*passes within 103 minutes of sunset are only considered migratory if in conditions suitable for leaving the country not arriving.

** wind direction would push bats out of the proposed landfalls and away from CWP offshore development area.

# 3 Dublin Array OWF - Static Detector Results

8. Additional information on the bat passes recorded during different weather conditions is provided in **Table 6.**

Table 6 Bat passes recorded as part of the CWP baseline during different weather conditions.

| | Species | Spring | | | | Autumn | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 13°c or above | Below 13°c | Wind speeds equal or less than 5 m / s | Wind speeds greater than 5 m / s | 13°c or above | Below 13°c | Wind speeds equal or less than 5 m / s | Wind speeds greater than 5 m / s |
| Dublin Array OWF | Common pipistrelle | 2328 | 6106 | 8065 | 369 | 4261 | 2291 | 5773 | 779 |
| | Soprano pipistrelle | 7 | 9 | 16 | 0 | 90 | 39 | 128 | 1 |
| | Nathusius' pipistrelle | 28 | 64 | 87 | 5 | 51 | 14 | 45 | 20 |
| | Pipistrellus sp., | 81 | 248 | 325 | 4 | 122 | 39 | 104 | 57 |
| | Leisler's | 4203 | 7806 | 10549 | 1460 | 2266 | 1398 | 3001 | 663 |
| | Noctule | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Nyctalus sp., | 74 | 114 | 183 | 5 | 59 | 76 | 132 | 3 |
| | Myotis sp., | 1 | 2 | 3 | 0 | 1 | 4 | 5 | 0 |
| | Brown long-eared | 4 | 7 | 10 | 1 | 16 | 1 | 16 | 1 |

9. Detailed information on the number of passes recorded during suitable weather for migration at each detector is provided in **Table 7.**

Table 7 Passes recorded at Dublin Array OWF by potentially migratory bats.

| | | **Number during unsuitable weather** | **Wind direction during suitable weather** | | | | **Total passes overall** | **Calls that are within 103 minutes of sunset and winds going towards Ireland during suitable weather conditions** | **Passes considered potentially migratory (passes during suitable weather and wind directions – calls within 103 minutes)*** |
|---|---|---|---|---|---|---|---|---|---|
| | | | Suitable weather and wind for migration towards GB (NW - N, SW – W) | Suitable weather and winds towards Ireland (E - SE, NE - E) | Other winds | Total passes during suitable weather | | | |
| **Spring** | | | | | | | | | |
| Sorrento (onshore) | Common pipistrelle | 4470 | 777 | 191 | 201 | 1169 | 5639 | 62 | 906 |
| | Soprano pipistrelle | 6 | 2 | 1 | 0 | 3 | 9 | 0 | 3 |
| | Nathusius' pipistrelle | 35 | 16 | 2 | 2 | 20 | 55 | 1 | 17 |
| | Pipistrellus sp., | 142 | 28 | 5 | 9 | 42 | 184 | 3 | 30 |
| | Leisler's | 7446 | 2265 | 340 | 509 | 3114 | 10560 | 151 | 2454 |
| | Nyctalus sp., | 2 | 3 | 1 | 0 | 4 | 6 | 1 | 3 |
| Dalkey Island (0.39 km from shore) | Common pipistrelle | 1816 | 390 | 405 | 163 | 958 | 2774 | 270 | 525 |
| | Soprano pipistrelle | 2 | 2 | 1 | 1 | 4 | 6 | 0 | 3 |
| | Nathusius' pipistrelle | 31 | 1 | 2 | 1 | 4 | 35 | 2 | 1 |
| | Pipistrellus sp., | 109 | 18 | 14 | 4 | 36 | 145 | 10 | 22 |

| | | Number during unsuitable weather | Wind direction during suitable weather | | | | Total passes overall | Calls that are within 103 minutes of sunset and winds going towards Ireland during suitable weather conditions | Passes considered potentially migratory (passes during suitable weather and wind directions – calls within 103 minutes)* |
|---|---|---|---|---|---|---|---|---|---|
| | | | Suitable weather and wind for migration towards GB (NW - N, SW – W) | Suitable weather and winds towards Ireland (E - SE, NE - E) | Other winds | Total passes during suitable weather | | | |
| | Leisler' s | 907 | 218 | 159 | 52 | 429 | 1336 | 128 | 249 |
| | Nyctalus sp., | 117 | 17 | 40 | 6 | 63 | 180 | 27 | 30 |
| Muglins Lighthouse (1.13 km from shore) | Common pipistrelle | 5 | 5 | 2 | 9 | 16 | 21 | 1 | 6 |
| | Soprano pipistrelle | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| | Nathusius' pipistrelle | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| | Leisler' s | 58 | 4 | 3 | 2 | 9 | 67 | 1 | 6 |
| Kish Lighthouse (11.89 km from shore)* | Leisler' s | 7 | 12 | 13 | 14 | 39 | 46 | 13 | 46* |
| | Nyctalus sp., | | 2 | 0 | 0 | 2 | 2 | 0 | 2 |
| **Autumn** | | | | | | | | | |
| Sorrento (onshore) | Common pipistrelle | 1219 | 578 | 327 | 293 | 1198 | 2417 | 109 | **796** |
| | Soprano pipistrelle | 13 | 10 | 18 | 15 | 43 | 56 | 14 | **14** |
| | Nathusius' pipistrelle | 26 | 9 | 5 | 10 | 24 | 50 | 2 | **12** |
| | Pipistrellus sp., | 66 | 12 | 6 | 10 | 28 | 94 | 3 | **15** |

| | | Number during unsuitable weather | Wind direction during suitable weather | | | | Total passes overall | Calls that are within 103 minutes of sunset and winds going towards Ireland during suitable weather conditions | Passes considered potentially migratory (passes during suitable weather and wind directions – calls within 103 minutes)* |
|---|---|---|---|---|---|---|---|---|---|
| | | | Suitable weather and wind for migration towards GB (NW - N, SW – W) | Suitable weather and winds towards Ireland (E - SE, NE - E) | Other winds | Total passes during suitable weather | | | |
| | Leisler' s | 1142 | 551 | 385 | 321 | 1257 | 2399 | 210 | **726** |
| | Nyctalus sp., | 8 | 1 | 3 | 1 | 5 | 13 | 1 | **3** |
| Dalkey Island (0.39 km from shore) | Common pipistrelle | 1668 | 330 | 1246 | 766 | 2342 | 4010 | 881 | **695** |
| | Soprano pipistrelle | 21 | 8 | 23 | 10 | 41 | 62 | 23 | **8** |
| | Nathusius' pipistrelle | 5 | 3 | 3 | 3 | 9 | 14 | 3 | **3** |
| | Pipistrellus sp., | 29 | 7 | 11 | 19 | 37 | 66 | 8 | **10** |
| | Leisler' s | 473 | 293 | 119 | 104 | 516 | 989 | 67 | **345** |
| | Nyctalus sp., | 46 | 2 | 21 | 23 | 46 | 92 | 10 | **13** |
| Muglins Lighthouse (1.13 km from shore) | Common pipistrelle | 39 | 9 | 12 | 64 | 85 | 124 | 12 | **9** |
| | Soprano pipistrelle | 6 | 3 | 0 | 2 | 5 | 11 | 0 | **3** |
| | Pipistrellus sp., | | 0 | 1 | 0 | 1 | 1 | 1 | **0** |
| | Leisler' s | 59 | 9 | 19 | 6 | 34 | 93 | 17 | **11** |
| Kish Lighthouse | Common pipistrelle | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1* |
| | Nathusius' pipistrelle | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1* |

| | | Number during unsuitable weather | Wind direction during suitable weather | | | | Total passes overall | Calls that are within 103 minutes of sunset and winds going towards Ireland during suitable weather conditions | Passes considered potentially migratory (passes during suitable weather and wind directions – calls within 103 minutes)* |
|---|---|---|---|---|---|---|---|---|---|
| | | | Suitable weather and wind for migration towards GB (NW - N, SW – W) | Suitable weather and winds towards Ireland (E - SE, NE - E) | Other winds | Total passes during suitable weather | | | |
| (11.89 km from shore)8 | Leisler' s | 120 | 4 | 38 | 21 | 63 | 183 | 33 | 183* |
| | Nyctalus sp., | 25 | 0 | 3 | 2 | 5 | 30 | 2 | 30* |
| **Total passes** | | **20123** | **5589** | **3419** | **2643** | **11651** | **31774** | **2066** | **7181** |

*with the exception of Kish where all passes are considered potentially migratory.