## Appendix 1. Offshore installation seabird recording form 1

1. Cloud cover: eighths
2. Sea state: Beaufort scale (Appendix 3)
3. Swell: low = less than 2m, moderate = 2 to 4m, and high = >4m
4. Sun strength: none, weak, moderate or strong
5. Rain: 1 = none, 2 = discontinuous light, 3 = discontinuous heavy, 4 = continuous light, 5 = continuous heavy
6. Wind speed and direction: Beaufort scale (Appendix 3) and cardinal points
7. Visibility: excellent = ≥10km, good = >5km, moderate = 1 – 5km, poor = <1km.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Location/ installation** | **Date of survey** | **Survey vessel** | **Name of surveyor** | **Cloud cover** | **Sea state** | **Swell** | **Sun**  | **Rain** | **Wind (Beaufort & direction)** | **Visibility** | **Start time** | **End time** | **Comments/observations** |
| *Installation 1* | *22/4/21* | *Boat 1* | *A.B. Smith* | *7/8* | *3* | *low* | *weak* | *2* | *2 NW* | *Good*  | *09:05* | *10:15* | *Birds seen flying to and from the installation throughout survey, including areas not surveyed (highlighted on map).* |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## Appendix 2. Offshore installation seabird recording form 2

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Area of installation** | **Nest no./Date** | *22/4/21* | *6/5/21* | *20/5/21* | *3/6/21* |  |  |  | **Comments** |
| *East* | *1* | *c/o* | *c/1* | *I* | *I* |  |  |  |  |
| *East* | *2* | *c/o* | *c/2* | *c/x* | *b/1 <9days* |  |  |  |  |
| *North* | *1* | *I* | *I* | *b/1* *<9 days* | *I* |  |  |  |  |
| *North* | *2* | */2* | */1* | *c/x* | *I* |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

c/1, c/2, c/3 = number of eggs (clutch-size)

c/0 = occupied, but empty, well-built nest

c/x = adult standing at well-built nest, contents unknown

I = adult sitting tight, apparently incubating

b/1, b/2, b/3 = number of chicks (brood-size) with age

/1, /2 = trace of nest, with one or two adults present

## Appendix 3. Wind speed and sea state

The detail in the table below is that used in the [VSAS survey methods manual](https://jncc.gov.uk/our-work/vsas-resources/).

|  |  |  |  |
| --- | --- | --- | --- |
| Beaufort Wind Force | Wind speed | Sea height | Sea description |
| 0 | < 1km/h | 0 | Sea like a mirror |
| 1 | 1.1 - 5.5km/h | 0.1m | Appearance of scales, but without foam crests |
| 2 | 5.6 - 11km/h | 0.2 - 0.3m | Crests have glassy appearance and do not break |
| 3 | 12 - 19km/h | 0.4 - 1m | Crests begin to break. Any foam has glassy appearance, scattered whitecaps |
| 4 | 20 - 28km/h | 1 - 2m | Small waves becoming longer, fairly frequent white horses |
| 5 | 29 - 38km/h | 2 - 2.5m | Moderate waves taking more pronounced long form. Many white horses, chance of some spray |
| 6 | 39 - 49km/h | 2.5 - 4m | Larger waves begin to form. Spray is present. White foam crests are everywhere |
| 7 | 50 - 61km/h | 4 - 5.5m | Sea heaps up. White foam from breaking waves blown in streaks with the wind |
| 8 | 62 - 74km/h | 5.5 - 7.5m | Moderately high waves of greater length. Edges of crests begin to break into spindrift. Well-marked foam streaks |
| 9 | 75 - 88km/h | 7.5 - 10m | High waves, dense streaks of foam, wave crests begin to topple, spray may affect visibility |
| 10 | 89 - 102km/h | 10 - 12.5m | Very high waves with long overhanging crests. Large patches of foam blown in dense white streaks. Sea surface takes white appearance, tumbling of sea is heavy and shock-like |
| 11 | 103 - 117km/h | 12.5 - 16m | Exceptionally high waves, small to medium sized ships being lost to view behind waves. Sea covered with long white patches of foam. Edges of wave crests blown to froth |
| 12 | 118km/h + | 16m + | Sea completely white with driving spray, visibility seriously affected as the air is filled with foam and spray. |