



# Dudgeon and Sheringham Shoal Offshore Wind Farm Extensions

Preliminary Environmental Information Report

**Volume 3**

**Appendix 13.1** - Offshore Ornithology Technical Report

April 2021

|                                                                                                                                                                            |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Title:                                                                                                                                                                     |                             |
| <b>Dudgeon and Sheringham Shoal Offshore Wind Farm Extensions<br/>Preliminary Environmental Information Report<br/>Appendix 13.1 Offshore Ornithology Technical Report</b> |                             |
| Document no.:<br>PB8164-ORD-ZZ-OF-RP-Z-0057                                                                                                                                |                             |
| Date:                                                                                                                                                                      | Classification              |
| 29 <sup>th</sup> April 2021                                                                                                                                                | <b>Final</b>                |
| Prepared by:                                                                                                                                                               |                             |
| <b>Royal HaskoningDHV</b>                                                                                                                                                  |                             |
| Approved by:                                                                                                                                                               | Date:                       |
| <b>Magnus Eriksen, Equinor</b>                                                                                                                                             | 29 <sup>th</sup> April 2021 |

## Table of Contents

|        |                                                                     |     |
|--------|---------------------------------------------------------------------|-----|
| 13.1   | Ornithology Technical Appendix.....                                 | 6   |
| 13.1.1 | Introduction .....                                                  | 6   |
| 13.1.2 | Methods .....                                                       | 6   |
| 13.1.3 | Ornithology Baseline .....                                          | 20  |
| 13.1.4 | Discussion of Sandwich tern PVA .....                               | 38  |
| 13.1.5 | REFERENCES.....                                                     | 43  |
| 13.1.6 | ANNEX 1: Seabird Density and Abundance by Survey.....               | 47  |
| 13.1.7 | ANNEX 2: Collision Risk Modelling Results .....                     | 368 |
| 13.1.8 | ANNEX 3: Population Viability Analysis Results and Discussion ..... | 394 |

## Glossary of Acronyms

|       |                                                       |
|-------|-------------------------------------------------------|
| BDMPS | Biologically Defined Minimum Population Size          |
| CRM   | Collision Risk Modelling                              |
| DECC  | Department for Energy and Climate Change              |
| DEP   | Dudgeon Extension Offshore Wind Farm Project          |
| DOW   | Dudgeon Offshore Wind Farm                            |
| ES    | Environmental Statement                               |
| ETG   | Expert Topic Group                                    |
| OMP   | Ornithological Monitoring Programme                   |
| OWF   | Offshore Wind Farm                                    |
| PCH   | Potential Collision Height                            |
| PEIR  | Preliminary Environmental Information Report          |
| PVA   | Population Viability Analysis                         |
| SEP   | Sheringham Shoal Extension Offshore Wind Farm Project |
| SNCB  | Statutory Nature Conservation Bodies                  |
| SOW   | Sheringham Shoal Offshore Wind Farm                   |
| SPA   | Special Protection Area                               |
| UK    | United Kingdom                                        |

## Glossary of Terms

|                                                        |                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The Applicant                                          | Equinor New Energy Limited                                                                                                                                                                                                                                                                                                         |
| Dudgeon Offshore Wind Farm Extension site              | The Dudgeon Offshore Wind Farm Extension lease area.                                                                                                                                                                                                                                                                               |
| The Dudgeon Offshore Wind Farm Extension Project (DEP) | The Dudgeon Offshore Wind Farm Extension site as well as all onshore and offshore infrastructure.                                                                                                                                                                                                                                  |
| Infield cables                                         | Cables which link the wind turbine generators to the offshore substation platforms.                                                                                                                                                                                                                                                |
| Interlink cables                                       | Cables linking two separate project areas. This can be cables linking <ol style="list-style-type: none"> <li>1. DEP S and DEP N</li> <li>2. DEP S and SEP</li> <li>3. DEP N and SEP</li> </ol> <p>1 is relevant if DEP is constructed alone or first in a phased development<br/>2 and 3 are relevant in a tandem construction</p> |



|                                                                 |                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Landfall                                                        | The point on the coastline at which the offshore export cables are brought onshore and connected to the onshore export cables.                                                                                                                                   |
| Offshore substation platform                                    | A fixed structure located within the wind farm area, containing electrical equipment to aggregate the power generated by the wind turbines and increase the voltage before transmitting the power to shore                                                       |
| Offshore export cables                                          | The cables which would bring electricity from the offshore substation platform(s) to the landfall. 220 – 230kV                                                                                                                                                   |
| PEIR boundary                                                   | The area subject to survey and preliminary impact assessment to inform the PEIR, including all permanent and temporary works for DEP and SEP. The PEIR boundary will be refined down to the final DCO boundary ahead of the application for development consent. |
| Sheringham Shoal Offshore Wind Farm Extension site              | Sheringham Shoal Offshore Wind Farm Extension lease area.                                                                                                                                                                                                        |
| The Sheringham Shoal Offshore Wind Farm Extension Project (SEP) | The Sheringham Offshore Wind Farm Extension site as well as all onshore and offshore infrastructure.                                                                                                                                                             |
| Study area                                                      | Area where potential impacts from the project could occur, as defined for each individual EIA topic.                                                                                                                                                             |

## 13.1 ORNITHOLOGY TECHNICAL APPENDIX OFFSHORE ORNITHOLOGY TECHNICAL REPORT

### 13.1.1 Introduction

1. This technical report supports **Chapter 13, Offshore Ornithology** of the Preliminary Environmental Information Report (PEIR), which considers the potential impacts of the proposed Dudgeon Extension Offshore Wind Farm Project (DEP) and Sheringham Shoal Extension Offshore Wind Farm Project (SEP).
2. The report presents further details of several aspects of the DEP and SEP assessment not included in the PEIR chapter:
  - Collection of baseline information from the site-specific surveys;
  - How these data were treated to produce robust density and abundance estimates of offshore ornithology receptors, and presentation of these by survey (**Annex 1**);
  - Collision Risk Modelling (CRM) methodology, input and detailed output (**Annex 2**), including a review of the latest evidence on a range of related topics; and
  - Sandwich tern Population Viability Analysis (PVA) methodology, input and detailed output (**Annex 3**).

### 13.1.2 Methods

#### 13.1.2.1 Survey Flights

3. Monthly digital video surveys were flown from May 2018 to April 2020, with two surveys flown per month between April and August 2019, giving 29 surveys in total. The surveys were designed and undertaken by HiDef Aerial Surveying Limited.
4. Parallel transects were placed at 2.5km apart across the aerial survey study area, which consisted of a polygon containing DEP and SEP, with a 4km buffer around it. In October 2018, the survey area was revised to include an extension to SEP. This meant that five surveys occurred with a slightly smaller aerial survey study area. The survey design is presented in **Figure 13.1.1**.
5. All surveys were flown at a height of approximately 550m above sea level, and were undertaken using an aircraft equipped with four HiDef Gen II cameras with sensors set to a resolution (or ground sampling distance) of 2cm. Each camera sampled a strip of 125m width, separated from the next camera by approximately 25m, which provides a combined sampled width of 500m within a 575m overall strip. Data from two cameras were processed, so that the actual transect strip width used was 250m, resulting in a survey coverage of the aerial survey study area of approximately 10%.
6. The dates, start and end times, and the approximate sunrise and sunset times for each survey day are presented in **Table 13-1**, along with the total length of transects used in subsequent analysis. Whilst the same transect lines were used for each survey, effort differed slightly between surveys due to minor differences in start and stop times for transects and minor deviations of the aircraft from the transect line. Additionally, one transect was missed in September 2019.

*Table 13-1 Survey dates, start and end times, and total transect analysed from each survey. Sunrise and sunset times for the survey dates (for co-ordinate 53.067626 N, 0.94482421 E) are also included. All times are local, adjusted for Greenwich Mean Time or British Summer Time as appropriate.*

| Date       | Survey Start Time | Survey End Time | Sunrise | Sunset | Total Transect Length Analysed (km) |
|------------|-------------------|-----------------|---------|--------|-------------------------------------|
| 22/05/2018 | 11:19             | 14:20           | 04:48   | 20:59  | 498.73                              |
| 18/06/2018 | 11:20             | 14:13           | 04:29   | 21:26  | 498.30                              |
| 02/07/2018 | 09:50             | 12:58           | 04:35   | 21:25  | 498.80                              |
| 06/08/2018 | 10:58             | 14:03           | 05:22   | 20:42  | 497.81                              |
| 12/09/2018 | 09:37             | 12:33           | 06:25   | 19:19  | 500.34                              |
| 09/10/2018 | 11:48             | 14:59           | 07:11   | 18:15  | 507.16                              |
| 14/11/2018 | 11:07             | 14:37           | 07:18   | 16:03  | 507.88                              |
| 04/12/2018 | 11:57             | 14:56           | 07:51   | 15:41  | 506.72                              |
| 19/01/2019 | 10:55             | 13:56           | 07:58   | 16:16  | 507.52                              |
| 14/02/2019 | 10:21             | 13:38           | 07:17   | 17:05  | 508.08                              |
| 05/03/2019 | 09:53             | 13:00           | 06:35   | 17:41  | 508.38                              |
| 04/04/2019 | 11:27             | 14:44           | 06:24   | 19:36  | 507.22                              |
| 26/04/2019 | 09:25             | 12:47           | 05:34   | 20:15  | 506.94                              |
| 10/05/2019 | 09:06             | 12:44           | 05:07   | 20:40  | 507.69                              |
| 24/05/2019 | 09:21             | 12:38           | 04:45   | 21:02  | 507.75                              |
| 15/06/2019 | 11:04             | 14:12           | 04:29   | 21:24  | 507.60                              |
| 20/06/2019 | 09:12             | 12:22           | 04:29   | 21:26  | 506.42                              |
| 03/07/2019 | 09:13             | 12:18           | 04:36   | 21:25  | 508.97                              |
| 17/07/2019 | 09:05             | 12:16           | 04:51   | 21:13  | 507.12                              |
| 08/08/2019 | 09:56             | 13:26           | 05:25   | 20:38  | 507.36                              |
| 2/08/2019  | 09:51             | 12:49           | 05:48   | 20:09  | 507.36                              |
| 18/09/2019 | 08:47             | 11:56           | 06:35   | 19:05  | 471.27                              |
| 03/10/2019 | 10:41             | 14:12           | 07:00   | 18:29  | 508.52                              |
| 13/11/2019 | 09:41             | 12:55           | 07:16   | 16:04  | 508.00                              |
| 03/12/2019 | 10:01             | 13:12           | 07:49   | 15:42  | 507.59                              |
| 10/01/2020 | 11:34             | 14:47           | 08:07   | 16:01  | 507.78                              |
| 08/02/2020 | 10:11             | 13:26           | 07:29   | 16:53  | 507.31                              |

| Date       | Survey Start Time | Survey End Time | Sunrise | Sunset | Total Transect Length Analysed (km) |
|------------|-------------------|-----------------|---------|--------|-------------------------------------|
| 06/03/2020 | 10:25             | 13:56           | 06:31   | 17:45  | 505.38                              |
| 03/04/2020 | 10:15             | 13:08           | 06:24   | 19:35  | 508.01                              |

### 13.1.2.2 Data Review, Object Detection and Identification

7. Data were viewed by trained reviewers who marked any objects in the footage as requiring further analysis. A blind review of 20% of the raw data was carried out and the results compared with those of the original review for quality assurance purposes.
8. Objects were only recorded where they reached a reference line (known as ‘the red line’) which defines the true strip width of 125m covered by each camera. By excluding objects that do not cross the red line, biases to abundance estimates caused by flux (for example due to movement of objects in the video footage relative to the aircraft, or ‘wing wobble’ of the survey aircraft) are eliminated.
9. Images marked as requiring further analysis were then reviewed by specialist ornithologists for identification to the lowest taxonomic level possible. Any animals that could not be identified to species level were assigned to a category ‘No ID’.
10. Additional information was recorded for each bird on their basic behaviour; whether the bird was sitting, loafing on land or other objects or flying; in the latter case the direction of travel was also recorded. Where the imagery allowed, assessment of the approximate age and the sex of each animal, as well as any behavioural traits visible from the imagery, were also undertaken.
11. At least 20% of all objects were subjected to an external review for quality assurance purposes. If there is disagreement over 10% or more of this sample then corrective action is initiated. If appropriate, the failed reviewer’s data is discarded and the data reviewed again. Any disputed identifications are passed to a third party expert ornithologist for a final decision.
12. Anthropogenic activity was categorised as either ‘man-made object’, ‘fishing boat’ or ‘other boat’ and any other details of interest recorded. All data were geo-referenced, taking into account the offset from the transect line of the cameras, and compiled into a single GIS output.

### 13.1.2.3 Data Treatment

13. Following the review and identification of all objects, data were processed for estimating abundance and distribution of offshore ornithology receptors. All confidence levels of species identifications were used in the analysis.
14. Birds that were unable to be identified to the species level were apportioned based on the proportional densities of species making up the wider species group by survey. For example, if there were 10 unidentified “large auks” (a species group consisting of razorbills and guillemots), and the total number of identified razorbill and guillemots was 20 and 80 respectively, then two large auks would be apportioned to razorbills and eight would be apportioned to guillemots for a total population of 22 and 88 respectively. Apportioning is done separately for flying birds, sitting birds, and the combination of both behaviour types (all birds).

15. Densities and abundances were reported for a number of reporting regions: DEP, DEP and a 2km buffer, DEP and a 4km buffer, SEP, SEP and a 2km buffer, SEP and a 4km buffer, and the aerial survey study area. The reporting regions are presented in **Figure 13.1.2**.

#### 13.1.2.4 Abundance Estimates

16. Abundance estimates were produced separately for each survey. Data were analysed according to a strip transect analysis methodology. Each transect was treated as an independent analysis unit, and the assumption made that transects can be treated as statistically independent samples. The length of each transect and its breadth within the reporting region of interest (i.e. the width of the field of view of the camera) multiplied together give the transect area; dividing the number of observations on that transect by the transect area gives a point estimate of the density of that species in that reporting region. The mean density of animals (and hence the mean abundance) in the reporting region, the standard deviation, 95% confidence intervals and coefficient of variation were then estimated using a non-parametric bootstrap method with replacement (Buckland et al., 2001).
17. The upper and lower 95% confidence intervals were calculated by way of a blocked bootstrapping technique in order to ensure equal transect effort was sampled across each iteration. This was done by using the transect as the sampling unit with replacement, and then randomly sampling until the total length of the sampled transects equalled approximately the same length as the total survey length. A total of 5,000 bootstrap iterations were performed from which the mean and standard deviation of the sampled means were calculated, as well as the relative standard error as defined by the standard deviation divided by the mean. Data were processed in the R programming language (version 3.4.3).
18. To incorporate birds apportioned to species groups, apportioned birds were added to the population estimate and a new density calculated by dividing the estimate by the survey area. To recalculate the standard deviation, the proportional variance was calculated and added to the variance of the identified birds.
19. For most species, abundance estimates relate to absolute abundance. External diving rate data were available for guillemot, razorbill and puffin, enabling availability bias corrections to be carried out for these species.
20. Thaxter et al. (2010) give average times for these species engaged in flying, feeding and time spent underwater during the chick-rearing period. The mean time spent underwater per day (1.9 and 0.8 hours for guillemots and razorbills respectively) has been used as a percentage of the mean time spent at sea not flying (8.0 and 4.6 hours respectively). Thus, the percentage time spent underwater for guillemots is 23.8% and for razorbills of 17.4%. For puffins, data from data loggers were used from Spencer (2012), which estimated that puffins spend 14.2% of daylight time underwater.
21. These correction values were applied to estimates of relative abundance of birds sitting on the sea, which were added to the true abundance of flying birds to give an estimate of true abundance for the species overall.

22. The final density estimate is expressed as the average number of animals per square km surveyed over the reporting region in question, and the population estimate is then calculated as the density multiplied up to the area of the reporting region. The upper 97.5% and lower 2.5% confidence limits define the range within which the population estimate falls with a statistical confidence of 95%.

#### 13.1.2.5 Collision Risk Modelling

23. CRM was carried out using the industry standard model of Band (2012). This section should be read in conjunction with **Section 13.6.2.2** of **Chapter 13, Offshore Ornithology**, which contains a range of details on the modelling, including species screened into and out of the assessment and input parameters.

##### 13.1.2.5.1 Flying Seabird Densities

24. CRM requires that the mean flying bird density estimates and 95% confidence intervals for DEP and SEP calculated by survey, as described in **Section 13.1.2.3**, are processed into monthly estimates. The mean density for a given month was calculated as the mean of the mean densities for all surveys carried out in that month. To calculate 95% confidence intervals that reflect the variability about the mean densities from all surveys in each month, the 1,000 bootstraps from each survey within a month were combined into a single dataset (e.g. 2,000 bootstraps for months within which two surveys occurred during the two years of baseline surveys), and 95% confidence intervals calculated from the entire dataset.

##### 13.1.2.5.2 Flight Height

25. Collision risk has been calculated using Option 2 of the CRM and published flight height distributions (“Corrigendum,” 2014; Johnston et al., 2014), as advised by Natural England during the ornithology Expert Topic Group (ETG) consultation process. CRM runs using the mean, lower and upper 95% confidence interval flight height distribution values from the same dataset, have been undertaken.
26. The remainder of this section presents a review of the appropriateness of the flight height distribution data presented by Johnston et al. (2014) and “Corrigendum” (2014) for estimating the collision risk to breeding Sandwich tern from the North Norfolk Coast Special Protection Area (SPA).



27. Boat-based baseline surveys were undertaken during the development of several Offshore Wind Farm (OWF) sites in the Greater Wash; Dudgeon (DOW), Sheringham Shoal (SOW), Race Bank, Docking Shoal and Triton Knoll. The surveyors that undertook these surveys estimated whether flying birds were either above or below 20m from the sea surface (with above 20m taken to be an approximate surrogate for the Potential Collision Height (PCH)). The percentage of Sandwich terns recorded above 20m at each OWF is presented in **Table 13-2**. The mean and asymmetric 95% confidence intervals for Sandwich tern flight height data from Johnston et al. (2014) and “Corrigendum” (2014), a dataset used to inform the consent a number of UK OWFs, which also consists largely of boat-based survey observations, is presented at three PCH; 20m, 26m and 30m. It should be noted that the data from the individual OWF studies referred to above are included in this dataset. Finally, flight height data presented in Perrow et al. (2017) and Harwood et al. (2018) are also included for comparison in the table below. Both of these latter studies collected data using a fast boat tracking method for Sandwich terns, whilst Harwood et al. (2018) also collected flight height data using standard boat-based survey methods. These latter two references contain data that are not incorporated in the analysis of Johnston et al. (2014) and “Corrigendum” (2014).

*Table 13-2: Comparison of different datasets that estimate the percentage of Sandwich terns flying above particular heights above the sea surface*

| OWF/Source of Information                                                    | CRH (m) | % Sandwich tern at PCH |
|------------------------------------------------------------------------------|---------|------------------------|
| DOW: boat-based baseline surveys                                             | 20      | 15%                    |
| Docking Shoal: boat-based baseline surveys                                   | 20      | 28%                    |
| Race Bank: boat-based baseline surveys                                       | 20      | 27%                    |
| SOW: boat-based baseline surveys                                             | 20      | 13%                    |
| Triton Knoll: boat-based baseline surveys                                    | 20      | 12.2%                  |
| Harwood et al. (2018): boat-based surveys (operational phase of SOW)         | 20      | 26%                    |
| Harwood et al. (2018): fast boat tracking surveys (operational phase of SOW) | 20      | 34.8%                  |
|                                                                              | 25      | 19.6%                  |
| Perrow et al. (2017): fast boat tracking surveys                             | 20      | 66%                    |
|                                                                              | 25      | 50%                    |
|                                                                              | 30      | 30%                    |
| Johnston et al. (2014) and “Corrigendum” (2014)                              | 20      | 7.0% (7.0% - 13.2%)    |
|                                                                              | 26      | 3.1% (3.1% - 7.5%)     |
|                                                                              | 30      | 1.8% (1.7% - 5.1%)     |

28. It is clear from the information presented in **Table 13-2** that there is considerable variation amongst the percentage of birds at PCH depending on the source of the data.
29. The OWF datasets are presumed to consist mainly of breeding adult Sandwich terns from the North Norfolk Coast SPA since the OWFs in question are all within the mean maximum foraging range plus one standard deviation of this SPA (Woodward et al., 2019). The DOW, SOW and Triton Knoll OWF data suggest that between 12-15% of Sandwich terns fly more than 20m above sea level. However, at Docking Shoal and Race Bank OWFs, this figure was almost 30%. The reasons for these differences are not clear.
30. There are considerable differences in recorded Sandwich tern flight height at SOW between the baseline surveys (13% above 20m) and post-construction surveys (34.8% above 20m during the fast boat tracking surveys and 26% above 20m during boat-based surveys). Data presented by Harwood et al. (2018) indicate that the fast boat tracking surveys generate higher flight height estimates than traditional boat-based surveys according to a verification study carried out within the report, with the assertion by the authors that boat-based surveys historically have underestimated flight heights of Sandwich terns (Harwood et al., 2018). Whilst the results of the verification study indicate this might be the case, no further supporting evidence was presented. It is important to note that of the Sandwich terns flying above 20m in the Harwood et al. (2018) surveys, approximately half were estimated to be between 20-25m above sea level.
31. In the case of Johnston et al. (2014) and “Corrigendum” (2014), Perrow et al. (2017) and Harwood et al. (2018), the proportion of Sandwich terns diminishes rapidly with increasing height bands >20m.
32. The dataset presented by Johnston et al. (2014) and “Corrigendum” (2014), is the largest in the comparison (nearly 34,000 Sandwich tern records across multiple OWFs collected predominantly using standard boat-based surveys, not including data collected from fast boat surveys), suggests lower flight heights for Sandwich tern than those presented for other data sources. It suggests that approximately half the number of birds fly at heights greater than 20m above sea level compared with the DOW and SOW baseline surveys. The upper 95% confidence limit of the Johnston et al. (2014) and “Corrigendum” (2014) dataset overlaps with the percentage of birds recorded at PCH predicted by the SOW and DOW baseline surveys. The difference between this dataset and the Docking Shoal and Race Bank OWF datasets, and the two Sandwich tern tracking data sources are larger.
33. A recognised benefit of the Johnston et al. (2014) and “Corrigendum” (2014) flight height estimates is that they derive from a large, multi-source, dataset, and so are less likely to be affected by systematic biases which could, potentially, affect datasets from individual projects. However, a possible explanation for the lower flight height estimates in the Johnston et al. (2014) and “Corrigendum” (2014) dataset is that these data are expected to contain large numbers of birds on passage, or dispersing from colonies outside the breeding season, and that Sandwich terns may tend to fly at lower heights during these times than they do during the breeding season (Perrow et al., 2017).



34. Data presented by Perrow (2017), which were collected during fast boat tern tracking surveys similar to those of Harwood et al. (2018), give much higher flight height estimates than any other Sandwich tern dataset. The reasons for this are unclear, though this study focused on tracking birds from near breeding colonies for the entire duration of a foraging trip. These data will include flights from closer to the colony (as birds depart on and arrive from foraging trips) and will not necessarily be representative of the flight behaviour and activity that occurs within a particular offshore area (such as an OWF). Flight height may also be affected by whether birds are actively foraging or commuting to foraging areas and, therefore, may be expected to show considerable between-site variation according to the behaviours typical at a particular site. It is also the case that the estimates from the Harwood et al. (2018) derived from an operational OWF, and this is a further factor that could mean that these estimates are not representative of the flight heights that currently occur at DEP and SEP.

#### 13.1.2.5.3 Avoidance Rates

35. The avoidance rates and associated variation suggested for use by the SNCBs with Option 2 of CRM (UK SNCBs, 2014) were recommended following the review of Cook et al. (2014), and are used by the assessment of collision risk at DEP and SEP for the relevant species (i.e. as identified by the UK SNCBs). For all other species, except Sandwich tern (see below), CRMs are undertaken using option 2 of the CRM (i.e. basic version, with Johnston et al. (2014) and “Corrigendum” (2014) flight height data) with the recommended rates applied. This section summarises the latest evidence concerning avoidance rates for key seabird species considered by the assessment.
36. Some recent studies indicate that gannet avoidance of OWFs may be higher than the currently recommended rate of 0.989. At the Greater Gabbard OWF, 336 gannets were observed during the autumn migration period, of which only eight were recorded within the OWF (Rehfishch et al., 2014), indicating a high degree of OWF (macro) avoidance. Analysis of this data indicated a macro-avoidance rate in excess of 0.95 compared with a value of 0.64 on which the currently advised overall avoidance rate is based (Cook et al., 2014). This would result in higher overall avoidance than the currently recommended rate of 0.989 and would reduce collision mortality predictions. Analysis of boat-based survey data at Greater Gabbard OWF also suggested potential declines in gannets within the OWF following the commencement of OWF operation compared with the pre-construction baseline (86% declines in comparison between OWF and 0-4km buffer), though not in all tests carried out (Elston et al., 2016; Gill et al., 2018).
37. At the Lincs OWF, significant reductions of gannet in and around the OWF were reported in the second and third year of OWF operation, and in years one to three of operation combined, relative to the pre-construction phase (Hi Def Aerial Surveying, 2017). These were the only significant decreases seen across the survey area, and it was concluded that this effect might be a result of OWF avoidance. At SOW, significant avoidance was also reported, in both BACI and Before After Gradient (BAG) analyses (Harwood et al., 2018), with graphs presented indicating an approximate decrease in density of 50% or thereabouts. These are lower levels of macro-avoidance incorporated into the 0.989 avoidance rate for this species.

38. The original Offshore Renewables Joint Industry Programme (ORJIP) bird collision avoidance study (Skov et al., 2018) provided further evidence relating to the precautionary nature of current avoidance rates and other parameters (e.g. flight speed) used in OWF assessment. Based on a combination of video, radar and field observations at Thanet OWF, the empirical avoidance rate for gannet was calculated as 0.999. By considering how these data relate to the avoidance rate that is appropriate for use with the CRM, Bowgen and Cook (2018) derived an estimate of 0.995 for the avoidance rate to use for gannet with the basic version of the CRM, which is substantially higher than the currently recommended rate by Natural England of 0.989.
39. Avoidance rates were also estimated in the ORJIP bird-collision avoidance study for herring gull (0.999), kittiwake and lesser black-backed gull (both 0.998), and great black-backed gull (0.996). Relating these data to the avoidance rates that are appropriate for use with the basic version of the CRM, Bowgen and Cook (2018) produced estimates of avoidance rates of 0.995 for large gulls, and 0.990 for kittiwake, which for kittiwake is also higher than the value currently recommended by the UK SNCB (2014) guidance. However, it is acknowledged that these rates might apply only to the particular geographical areas and biological seasons to which the source data relate and that further work is required to understand the extent to which these avoidance rates can be extrapolated to other geographical areas and seasonal periods.
40. With respect to Sandwich tern avoidance rates, the CRM underpinning the Department for Energy and Climate Change (DECC) 2012 in-combination collision risk assessment of OWFs in the Greater Wash area (DECC, 2012; ECON, 2011a, 2011b) used an avoidance rate of 0.9883, which originated from a study undertaken at a Sandwich tern colony near the port of Zeebrugge, Belgium (Everaert and Stienen, 2007). This was judged the most robust avoidance rate available at the time of that assessment because it was based on empirical data of Sandwich tern mortality at an operational wind farm (albeit the turbines were not offshore), was the mean value derived from data collected over two years, and originated from a peer reviewed study considered to be one of the best empirical datasets available for Sandwich terns at the time. Operational phase data collection relating to Sandwich tern has occurred at SOW, where the behavioural avoidance rate has been calculated as 0.993 (Harwood et al., 2018). Natural England currently recommend the default avoidance rate of 0.980 for Sandwich tern, (UK SNCBs, 2014), on the basis that there is considered to be insufficient evidence to enable it to be changed.
41. Given the above, the assessment presents model outputs that utilise a range of avoidance rates for Sandwich tern (i.e. 0.980, 0.9883 and 0.993).

#### 13.1.2.5.4 *Nocturnal Activity*

42. This section considers recent evidence supporting the use of alternative nocturnal activity rates to the default values recommended for use with the offshore CRM (Band 2012) for three species; gannet, kittiwake and Sandwich tern.
43. A number of studies have recently deployed various data loggers on a range of seabird species. Data from those studies can provide empirical evidence of the actual nocturnal flight activity level.

44. In order to more accurately estimate nocturnal activity for gannet, a review of evidence from tracking studies has been undertaken (Furness et al., 2018). The average nocturnal activity rates were estimated as 7.1% and 2.3% for the breeding and non-breeding seasons respectively, leading to author-recommended precautionary nocturnal flight activity rates for use in the CRM of 8% and 4% for the breeding and non-breeding seasons respectively. The breeding season value was very heavily influenced by the results from the smallest study in the review, which was based on three tagged birds in Shetland (Garthe et al., 1999). That study yielded a nocturnal activity rate of 20.9% (compared to daytime) but the total duration of flight activity recorded was 215 hours, which was less than 3% of the >8,000 hours covered by the remaining studies. If the average rate was to be calculated without this study, a breeding season rate of 4.3% would be obtained. Thus, the recommended rates of 8% and 4% are considered to be precautionary.
45. For gannet, a nocturnal activity value of 25% has been used in this assessment, although CRM outputs are also presented using the evidence-based value of 8%.
46. For kittiwakes and other gulls, nocturnal activity values of 50% have been used in the CRMs in this assessment, following the default values given in Band (2012). For kittiwake, a review and analysis of activity data from tracking studies (Furness et al. in prep.) has identified nocturnal activity rates for the breeding and non-breeding seasons, respectively, of 20% and 17% based on empirical evidence. Therefore, the 50% value used here is considered highly precautionary. CRM outputs for kittiwake are also presented using the evidence-based value of 20%.
47. For Sandwich tern, a value of 0% was used in CRM as an input into DECC (2012),. This was taken from a single study in the Netherlands (Stienen et al., 2000), and is also the published value in Garthe and Hüppop (2004), which is therefore recommended as an input by Band (2012). To derive an evidence-based value for use in the current assessment, data were used from the DOW OMP Sandwich tern tracking study, which has tracked birds breeding at the Scolt Head colony between 2016 and 2019. A comparison of start and end times of all recorded foraging trips indicated that approximately 8.2% of flights began and 9.9% ended either before sunrise or after sunset. This reduced to 2.9% and 4.1% when estimated dawn and dusk times (defined as one hour prior to sunrise and one hour after sunset) were considered instead of sunrise and sunset. On a precautionary basis, an evidence-based nocturnal activity rate of 10% is suggested for Sandwich tern, which is presented alongside the established 0% nocturnal activity factor. It is proposed to refine this estimate further for the final DCO submission, on the basis that current estimates do not account for the length of time spent in flight at night, and whether nocturnal flights actually reach DEP and SEP.

#### 13.1.2.5.5 *Seabird Biometric Parameters*

48. The biometric parameters of the offshore ornithology receptors used for CRM are presented in **Table 13-3**.

**Table 13-3: Biometric and bird behaviour parameters for offshore ornithology receptors screened into CRM for DEP and SEP.**

| Species                  | Flight Type | Body Length (m) | Wingspan (m) | Flight Speed (m/s) |
|--------------------------|-------------|-----------------|--------------|--------------------|
| Common tern              | Flapping    | 0.33            | 0.88         | 10.5               |
| Gannet                   | Flapping    | 0.94            | 1.72         | 14.9               |
| Great black-backed gull  | Flapping    | 0.71            | 1.58         | 13.7               |
| Herring gull             | Flapping    | 0.60            | 1.44         | 12.8               |
| Kittiwake                | Flapping    | 0.39            | 1.08         | 13.1               |
| Lesser black-backed gull | Flapping    | 0.58            | 1.42         | 13.1               |
| Little gull              | Flapping    | 0.26            | 0.78         | 12.2               |
| Sandwich tern            | Flapping    | 0.39            | 1.00         | 10.5               |

49. These input parameters have previously been used in other recent OWF assessments, and no more recent information has been considered for inclusion in the assessment except in relation to Sandwich tern flight speed.

50. Recent work utilising GPS trackers on breeding Sandwich terns (Fijn and Gyimesi, 2018) has provided more detailed information on flight speed at sea. Loggers on 27 birds returned 7,238 GPS fixes over four breeding seasons (2012 to 2015), with each fix having an instantaneous flight speed associated with it (as opposed to calculated average ('smoothed') flight speeds between points). Loggers were deployed at different stages of the breeding season, either on the nest during the last week of incubation or during later stages of chick rearing. Data assessment found variable flight speeds depending on the type of behaviour being exhibited at the time of observation. Behaviours were categorised as commuting to foraging area (defined as straighter movements away from colony, speed >0km/h), foraging (defined as reduced speed in combination with sinuous turning angles, above water), commuting to colony (defined as straighter movements towards colony, speed >0km/h), and transit between foraging areas (defined as straighter movements not coming from or going to the colony, speed >0km/h).

51. Similar work was carried out on birds tagged at the North Norfolk Coast SPA over four breeding seasons (2016 to 2019) (Fijn and Collier, 2020). This was based on 17,755 GPS fixes obtained from 34 tags. Other than differences in the categorisation of flight activity, the methodology employed was identical to the published work of Fijn and Gyimesi (2018).

52. A summary of the findings of both studies is presented in **Table 13-4**.

**Table 13-4 Categories of Sandwich tern behaviour during breeding season foraging trips from a Dutch colony, along with mean flight speeds (in metres per second) +/- 1 standard deviation as derived by instantaneous measurement using GPS tags.**

| Behaviour | Fijn and Gyimesi (2018) | Fijn and Collier (2020) |
|-----------|-------------------------|-------------------------|
| Foraging  | 10.4 (+/- 2.7)          | 7.9 (+/- 4.8)           |

| Behaviour                    | Fijn and Gyimesi (2018) | Fijn and Collier (2020) |
|------------------------------|-------------------------|-------------------------|
| Commuting to foraging area   | 8.3 (+/-3.0)            | 8.5 (+/- 4.6)           |
| Commuting from foraging area | 12.3 (+/- 3.3)          |                         |
| Transit                      | 9.9 (+/-2.1)            | Not measured            |
| Overall                      | 10.3 (+/- 3.4)          | 8.2 (+/- 4.7)           |

53. The overall flight speed of both datasets is slightly lower than that used by the assessment. Both newer datasets are within a standard deviation of one another. The differences between these datasets are likely to be due to a range of factors, including distances being travelled between foraging areas and the colony, differences in wind speed and direction, or other local conditions between the two study areas.
54. It is possible that carrying the tags could result in birds flying slightly slower than untagged birds, though this effect is thought to be relatively small for tern species (Vandenabeele et al., 2012).
55. The relationship between flight speed and estimated collision is twofold. On the one hand, a higher flight speed reduces the probability of a single bird colliding with turbine blades on a single transit. However, higher flight speeds also result in a greater predicted flux by the model (i.e. the total number of transits in a given time period). Generally, slower flight speeds produce lower collision rates. This is the case here; reduction of the flight speed from 10.5m/s (as is used by the assessment) to either 10.3m/s or 8.2m/s reduces predicted collision rates by 0.7% and 7.6% respectively.

#### 13.1.2.6 Population Viability Analysis

56. PVA has been undertaken for the Sandwich tern population of the North Norfolk Coast SPA. This is an internationally important population, and the risk of population level effects due to the effects of DEP and SEP, both alone, combined, and in combination with other projects warrants additional investigation. Details of this population, including breeding locations and population trends are provided in [Section 13.1.3.2.22](#).
57. The input parameters for Sandwich tern PVA, along with justification for their use, are presented in [Table 13-5](#) and [Table 13-6](#). The impact scenarios, and the effect that these had on the breeding adult survival rate, are presented in [Table 13-7](#). An initial absolute mortality for the first year of impact was specified, which was divided by the initial size of the population, and these values were applied as impacts on survival only. For each subsequent year of impact, the model proportionally applied this impact to the new predicted population size.
58. The initial mortality levels ranged from 10 to 210, in increments of 25 birds. This range was selected as a range of mortalities covering the predicted project alone impacts of DEP and SEP, plus the in-combination impacts with other OWFs. Impacts were calculated as relative harvest of breeding adults.



59. Due to the high number of variables currently under consideration within the Sandwich tern assessment (avoidance rates, flight height distributions, 14MW/26MW scenarios of DEP and SEP, and consented/as-built scenarios for other OWFs), it was not feasible to produce a PVA for every scenario; therefore, the production of a range was considered to be a pragmatic solution. This model will be developed further to consider a range of scenarios for final submission. Further discussion is provided within **Chapter 13, Offshore Ornithology** and **Appendix 13.2 Supplementary Information to Inform the Offshore Ornithology Cumulative Impact Assessment**.

Table 13-5: Basic information regarding Sandwich tern population model

| Parameter                   | Input        | Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental stochasticity | Beta/gamma   | Cook and Robinson (2016) indicate that metrics derived from deterministic population models consistently predict lower population level effects associated with the impacts of OWFs than those derived from stochastic population models. The latter are likely to be more realistic (Lande et al., 2003), providing that appropriately robust information regarding the variation around the model inputs is available.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Demographic stochasticity   | Included     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Density dependence          | Not included | <p>There is no evidence within the available data which supports the inclusion of density dependence for Sandwich tern at the North Norfolk Coast SPA. This could be due to a genuine absence, or it is operating at scales which make it difficult to detect.</p> <p>Density independent models may overestimate population-level impacts (Miller et al., 2019). The omission of density dependence factors from PVA may therefore result in a more precautionary prediction, which can be seen as desirable for impact assessment purposes (if the level of precaution is understood).</p> <p>Sandwich terns can exhibit density depensation, which could increase the rate of population decline in depleted population (Horswill and Robinson, 2015).</p> <p>These factors are considered in the interpretation of model outputs.</p> |
| Number of simulations       | 5,000        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| Parameter         | Input | Justification                                                                                                     |
|-------------------|-------|-------------------------------------------------------------------------------------------------------------------|
| Years for burn-in | 0     | With a burn-in >0 applied, the population ran to zero/extinction during the burn-in period and returned an error. |
| Years of impact   | 35    | Predicted operational phase length for DEP and SEP                                                                |

Table 13-6: Demographic inputs into Sandwich tern population model

| Parameter                          | Input value                      | Justification                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Age of first breeding              | 3 years                          | Cramp (1985), Mackenzie (2011), Horswill and Robinson (2015)                                                                                                                                                                                                                                                                                                                                                            |
| Maximum brood size per pair        | 2                                | Mackenzie (2011), Stienen and Brenninkmeijer (2006) and Stienen (2006)                                                                                                                                                                                                                                                                                                                                                  |
| Number of subpopulations           | 2                                | Scolt Head and Blakeney Point, different breeding success rates applied to each subpopulation                                                                                                                                                                                                                                                                                                                           |
| Adult survival                     | 0.898 (standard deviation 0.058) | Robinson (2010). 2 x standard error used as surrogate for standard deviation.                                                                                                                                                                                                                                                                                                                                           |
| Age class 0-1 survival             | 0.358 (standard deviation 0.438) | Robinson (2010). Defined as a mixture of nestlings and older juveniles to second calendar year. 2 x standard error used as surrogate for standard deviation. The presence of nestling data with the calculations for this mortality rate means that there is a degree of double counting of mortality between this value, and the SMP (2020) productivity estimate data, which is expressed as fledged chicks per pair. |
| Age class 1-2 survival             | 0.741 (standard deviation 0.412) | Robinson (2010). 2 x standard error used as surrogate for standard deviation.                                                                                                                                                                                                                                                                                                                                           |
| Age class 2-3 survival             | 0.741 (standard deviation 0.412) | Robinson (2010). 2 x standard error used as surrogate for standard deviation.                                                                                                                                                                                                                                                                                                                                           |
| Scolt Head initial population size | 4,136 pairs                      | Most recent 5-year mean (2016 to 2020)                                                                                                                                                                                                                                                                                                                                                                                  |

| Parameter                              | Input value                                               | Justification                                             |
|----------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Scolt Head breeding productivity       | 0.842 (standard deviation 0.0861) fledged chicks per pair | Most recent 5-year mean (2015, 2016, 2017, 2018 and 2020) |
| Blakeney Point initial population size | 766 pairs                                                 | Most recent 5-year mean (2016 to 2020)                    |
| Blakeney Point productivity            | 0.272 (standard deviation 0.2474) fledged chicks per pair | Most recent 5-year mean (2015, 2016, 2017, 2018 and 2020) |

Table 13-7: Impact scenarios considered by PVA

| Impact Scenario | Initial Annual Mortality (number of individuals) | Impact on Adult Survival Rate | Impact on Immature Survival Rate |
|-----------------|--------------------------------------------------|-------------------------------|----------------------------------|
| A               | 10                                               | 0.00102                       | 0                                |
| B               | 35                                               | 0.00357                       | 0                                |
| C               | 60                                               | 0.00612                       | 0                                |
| D               | 85                                               | 0.00867                       | 0                                |
| E               | 110                                              | 0.01122                       | 0                                |
| F               | 135                                              | 0.01377                       | 0                                |
| G               | 160                                              | 0.01632                       | 0                                |
| H               | 185                                              | 0.01887                       | 0                                |
| I               | 210                                              | 0.02142                       | 0                                |

### 13.1.3 Ornithology Baseline

#### 13.1.3.1 Seabird Density and Abundance Estimates

60. Seabird density and abundance estimates are presented by survey in **Annex 1**. Each reporting region has its own subsection of this annex. Within this, absolute densities and abundances of all birds recorded in that reporting region are presented in alphabetical order. Each species has up to three tables per reporting region; one for total density and abundance of all birds, one for birds in flight, and one for birds on the sea. A shortened table is presented where densities of zero were recorded on every survey, and where this occurred for all birds, tables showing the corresponding zeroes for birds in flight and on the sea are not presented.



### 13.1.3.2 Species Accounts

61. Species accounts are provided in the following sections. When referring to the seasonal presence of offshore ornithology receptors, the sections below consider the aerial survey study area only. Seasonal presence of a species behaving in a particular way (e.g. flying) within a particular region within the study area (e.g. DEP or SEP, or their buffers) may vary, which is reflected in the assessment.

#### 13.1.3.2.1 *Arctic skua*

62. Arctic skua was recorded on a single occasion during the baseline surveys (October 2018), with an estimated mean peak abundance of six birds during the autumn migration season, and zero for all other biologically relevant seasons. This concurs with this being a passage species in the area in which DEP and SEP are located, (Furness, 2015; Stroud et al., 2016).

63. The relevant background population is considered to be the UK North Sea and Channel Biologically Defined Minimum Population Size (BDMPS), consisting of 6,427 individuals during autumn migration (August to October), and 1,227 individuals during spring migration (April to May) (Furness, 2015). Comparison of mean peak abundances to relevant background population sizes indicates that the aerial survey study area is of relatively low importance for this species.

#### 13.1.3.2.2 *Arctic tern*

64. The baseline surveys recorded Arctic tern within the aerial survey study area in low numbers in April, May and June only. This means that relatively low mean peaks were recorded for the spring migration (17 birds) and breeding seasons (seven birds).

65. The nearest breeding population of Arctic terns to DEP and SEP are located within the North Norfolk Coast SPA, though Arctic tern is not a qualifying feature. These are situated at Scolt Head (located 51km from DEP and 33km from SEP) and Blakeney Point (located 38km from DEP and 22km from SEP). The mean maximum foraging range of this species is 25.7km (standard deviation 14.8km) (Woodward et al., 2019). This suggests that whilst DEP and SEP are within range of breeding birds from these colonies, it is unlikely to form part of their core foraging range.

66. It is presumed that 100% of birds present at DEP and SEP during the breeding season are breeding adults from breeding sites on the North Norfolk Coast. It is considered appropriate to utilise the full breeding season (May to early August) when considering impacts against the breeding season reference population due to the fact that the aerial survey study area is located within the mean plus one standard deviation of the nearest breeding colony.

67. The breeding population at the latest count was <10 pairs in 2018 (JNCC, 2020), which has been used as a reference population.

68. Outside the breeding season, impacts on Arctic tern have been assessed relative to the appropriate BDMPS for the season in question. This is the UK North Sea and Channel BDMPS, consisting of 163,930 individuals during autumn migration (July to early September), and spring migration (late April to May) (Furness, 2015).

69. Comparison of mean peak abundances to relevant background population sizes, and evaluation of the presented information on foraging ranges indicates that the aerial survey study area is of relatively low importance for this species year round.

#### 13.1.3.2.3 *Black-headed gull*

70. Black-headed gull was recorded in relatively low numbers during both breeding and non-breeding seasons. The mean peak abundance across the entire aerial survey study area was 83 birds during the non-breeding season and 37 birds during the breeding season.
71. Based on a UK non-breeding season population of 200,000 birds (Banks et al., 2007), comparison of mean peak abundances to relevant background population sizes, indicates that the aerial survey study area is of relatively low importance for this species year round.

#### 13.1.3.2.4 *Common gull*

72. Common gull was recorded in relatively low numbers in most months during the baseline surveys, the exceptions being June, July and September, when it was absent. The mean peak abundance across the aerial survey study area was 81 birds during the non-breeding season, and 13 birds during the breeding season.
73. At the last count, the non-breeding UK population of common gull was around 700,000 individuals (Banks et al., 2007). This is the background population that impacts will be considered against. Comparison of mean peak abundances to relevant background population sizes, indicates that the aerial survey study area is of relatively low importance for this species year round.

#### 13.1.3.2.5 *Common scoter*

74. Common scoter was only occasionally recorded in the aerial survey study area (during three surveys). When recorded, only low densities of birds were present. All records of birds were during the non-breeding season; the mean peak abundance was 37 birds.

#### 13.1.3.2.6 *Common tern*

75. The baseline surveys recorded common tern in low numbers during all biologically relevant seasons except winter (mean peaks of 17 birds during autumn migration, 60 birds during spring migration and 48 birds during the breeding season).
76. The nearest breeding population of common terns to DEP and SEP is located within the North Norfolk Coast SPA, of which common tern is a qualifying feature. The closest common tern breeding locations to DEP and SEP are at Scolt Head (located 51km from DEP and 33km from SEP) and Blakeney Point (located 38km from DEP and 22km from SEP). The mean maximum foraging range of this species is 18km (standard deviation 8.9km) (Woodward et al., 2019). This is slightly greater than the 12km suggested by predicted at-sea usage models produced from common tern tracks from Blakeney Point and Scolt Head (Wilson et al., 2014). The maximum recorded foraging range of this species is 30km (Woodward et al., 2019). This suggests that whilst DEP and SEP are within the theoretical foraging range of breeding birds from these colonies, neither OWF site is likely to form part of their core foraging range. This concurs with the relatively low abundance of birds recorded in the aerial survey study area at this time of year by the baseline surveys.

77. It is presumed that 100% of birds present at DEP and SEP during the breeding season are breeding adults from the North Norfolk Coast SPA. It is also considered appropriate to utilise the full breeding season (May to August) when considering impacts against the breeding season reference population. This is an internationally important population of this species, and the precautionary nature of such an approach is therefore considered appropriate.
78. The SPA population at the latest count was 232 pairs in 2018 (JNCC, 2020), of which 214 pairs were recorded at Blakeney Point (99 pairs) and Scolt Head (115 pairs). The remaining 18 pairs were located at Holkham (16 pairs) and Titchwell Marshes (two pairs) This equates to a latest total population size of 693, when calculated as individuals and multiplied up to include subadult birds, based on the adult proportion of 0.67 from Furness (2015). The population estimate based on the 2018 count (breeding and non-breeding/sub-adult birds) has been used as a reference population.
79. Outside the breeding season, impacts on common tern have been assessed relative to the appropriate BDMPS for the season in question; in this case the UK North Sea and Channel BDMPS, consisting of 144,911 individuals during autumn migration (late July to early September), and spring migration (April to May) (Furness, 2015).
80. Comparison of mean peak abundances to relevant background population sizes, and evaluation of the presented information on foraging ranges indicates that the aerial survey study area is of relatively low importance for this species year round.

#### 13.1.3.2.7 *Cormorant*

81. Cormorant was only recorded in three months during the baseline surveys; May, July and August, all of which fall within the breeding season for this species. The mean peak count for this species within the aerial survey study area is 27 birds.
82. The nearest breeding population of this species is located at Holkham (JNCC, 2020), approximately 28km from SEP, and 46km from DEP. This population is not a cited component of any designated site. Parts of the aerial survey study area therefore fall within the mean maximum foraging range of cormorant (25.6km, standard deviation 8.3km) (Woodward et al., 2019). Based on the available information it is presumed that 100% of birds recorded within the aerial survey study area originated from the colony at Holkham. At the last count in 2018, this colony supported 177 breeding pairs, which is considered to be the reference population for this species.
83. Comparison of mean peak abundances to relevant background population sizes, and evaluation of the presented information on foraging ranges indicates that the aerial survey study area is of relatively low importance for this species year round.

#### 13.1.3.2.8 *Fulmar*

84. Fulmar was recorded within the aerial survey study area during all months of the year with the exception of October and November, and was only ever recorded at low density. Mean peak abundances within the aerial survey study area were 53 birds during autumn migration, zero in winter, 14 birds in spring and 44 birds during the breeding season.

85. The low abundances recorded throughout the year during the baseline surveys concord with both the known ecology of this species (Edwards, 2015), and modelled at sea data presented by Waggitt et al. (2019), which suggest that the wider area within which DEP and SEP are situated is of low importance to this species.
86. Fulmar has a large mean maximum foraging range (542.3km, standard deviation 657.9km) (Woodward et al., 2019). This means that many of its breeding strongholds within Scotland (Stroud et al., 2016) are within foraging range of DEP and SEP, and birds from these areas have been recorded in the southern North Sea (Edwards, 2015). However fulmars breed in low numbers at several sites much closer to DEP and SEP, including on the North Norfolk Coast (JNCC, 2020). During the breeding season, it seems more likely that any birds recorded on sites are locally breeding birds, and this is assumed for the purposes of the assessment.
87. Outside the breeding season, impacts on fulmar have been assessed relative to the appropriate BDMPS for the season in question. This is the UK North Sea Waters BDMPS, consisting of 957,502 individuals during autumn migration (September to October) and spring migration (December to March), and 568,736 individuals during winter (November) (Furness, 2015).
88. Overall, due to the concordance between existing data sources and the baseline data, there is high confidence that the presence of birds in large numbers during any time of the year is unlikely (i.e. there is a low chance that such an event has been missed by baseline surveys). Comparison of mean peak abundances to relevant background population sizes, and evaluation of the presented information on ecology and foraging ranges for this species indicates that the aerial survey study area is of relatively low importance for fulmar year round.

#### 13.1.3.2.9 Gannet

89. A mean peak of 590 gannets was recorded within the aerial survey study area during the breeding season by the baseline surveys.
90. The nearest gannet breeding colony to DEP and SEP is Bempton Cliffs, which lies within the Flamborough and Filey Coast SPA. This is located approximately 118km and 124km from DEP and SEP respectively, and is therefore within the mean maximum foraging range of gannets (315.2km, standard deviation 194.2km) (Woodward et al., 2019). Tracking studies of gannets from Bempton Cliffs during 2010-2012 suggest very little if any use of DEP and SEP during the breeding season by birds from the Flamborough and Filey Coast SPA (Langston et al., 2013), and modelled at-sea distributions for the breeding season indicate that DEP and SEP fall outside the home foraging range (i.e. the area of habitat in which 95% of a colony's activity is predicted to occur) for gannet from this colony (Wakefield et al., 2013). The abundance of gannet recorded within the aerial survey study area concords with existing evidence regarding the at-sea distribution of gannet from this colony during the breeding season, and between them, these two pieces of evidence increase the confidence that the regular presence of birds in extremely high numbers during the breeding season is unlikely (i.e. there is a low chance that such an event has been missed by baseline surveys).

91. It is presumed that 100% of birds present at DEP and SEP during the breeding season are breeding adults from the Flamborough and Filey Coast SPA. This is a highly precautionary approach, given that tracking data indicate that DEP and SEP are beyond the core foraging range of birds from this SPA. It is expected that an unknown proportion of birds present at DEP and SEP during the breeding season will be non-breeding birds that are not associated with the SPA population. Whilst this is not quantified by the assessment, this will be considered in the interpretation of the data and factored into its conclusions as appropriate. It is also considered appropriate to utilise the full breeding season (March to September) when considering impacts against the breeding season reference population. This is an internationally important population of this species, and the precautionary nature of such an approach is therefore considered appropriate.
92. Impacts on gannet during the breeding season are considered in the context of the SPA reference population. The SPA population on the citation was 8,469 pairs (Natural England, 2018), which increased to 13,392 pairs by 2017 (Aitken et al., 2017). This equates to a latest total population size of 48,698, when calculated as individuals and multiplied up to include subadult birds, based on the adult proportion of 0.55 from Furness (2015). As the population of the Bempton Cliffs gannet colony continues to increase (Aitken et al., 2017; JNCC, 2020; Langston et al., 2013), the higher estimate of total numbers of individuals (breeding and non-breeding/sub-adult birds) has been used as a reference population.
93. Outside the breeding season, impacts on gannet has been assessed relative to the appropriate BDMPS for the season in question. This is the UK North Sea and Channel BDMPS, consisting of 456,298 individuals during autumn migration (September to November), and 248,385 individuals during spring migration (December to March) (Furness, 2015). The autumn migration season was when gannets were most abundant in the aerial survey study area (mean peak of 1,655 birds). The spring migration season abundance was much lower (mean peak of 81 birds). This is because a higher proportion of birds which breed on the east coast of the UK migrate back to breeding colonies via the west coast of the UK (Furness, 2015) Overall, abundances recorded by baseline surveys were relatively low throughout the year compared with relevant background population sizes, concordant with modelled at sea data presented by Waggitt et al. (2019), which suggest that the wider area within which DEP and SEP are situated is of low importance to this species.

#### 13.1.3.2.10 *Great black-backed gull*

94. This species was recorded almost year round during the baseline surveys; the only month in which it was absent from the aerial survey study area was June.
95. Mean peak abundance in the aerial survey study area was highest during the autumn migration season (491 birds) and winter (123 birds), and lower during the spring migration season (44 birds) and breeding season (24 birds).
96. The mean maximum foraging range of this species is 73km, though this was recorded from just a single study so is of low confidence (Woodward et al., 2019). There are no known large colonies present in the wider area, though small numbers (i.e. <5 pairs) are known to breed at RSPB Snettisham, located approximately 55km and 75km from SEP and DEP respectively.



97. Whilst birds recorded within the aerial survey study could originate from this location, it is not certain, particularly since Furness (2015) suggests that breeding birds may remain very close to their colonies during the breeding season. On this basis, it is assumed that birds recorded during the breeding season in the aerial survey study area are non-breeding birds. The breeding season impact on great black-backed gull has been assessed against a reference population estimated using the observation that immature birds tend to remain in wintering areas. Thus, the number of immature birds in the relevant populations during the breeding season may be estimated as the proportion of the relevant BDMPS (the non-breeding season) which are sub-adults. Thus, the breeding season reference population can be calculated as 57.8% of the non-breeding BDMPS population of great black-backed gull (Furness, 2015). This yields a breeding season population of great black-backed gull of 52,829 non-breeding individuals (non-breeding BDMPS for the UK North Sea and Channel, 91,399 x 57.8%).
98. Outside the breeding season, impacts on great black-backed gull have been assessed relative to the appropriate BDMPS for the season in question; in this case the UK North Sea BDMPS, consisting of 91,399 individuals during the non-breeding season (September to March) (Furness, 2015).
99. Comparison of mean peak abundances to relevant background population sizes, and evaluation of the presented information on foraging ranges indicates that the aerial survey study area is of relatively low importance for this species year round.

#### 13.1.3.2.11 *Great skua*

100. Recorded on three occasions during the baseline surveys (October 2018, November 2018 and November 2019), the low peak mean in the autumn migration season (6 birds) and winter seasons (7 birds) concurs with this being a passage species in the area in which DEP and SEP are located (Furness, 2015; Stroud et al., 2016).
101. The relevant background population is considered to be the UK North Sea and Channel BDMPS, consisting of 19,556 individuals during autumn migration (August to October), 143 individuals during the non-breeding season (November to February) and 8,485 individuals during spring migration (March to April) (Furness, 2015).
102. Comparison of mean peak abundances to relevant background population sizes indicates that the aerial survey study area is of relatively low importance for this species.

#### 13.1.3.2.12 *Guillemot*

103. During the breeding season, the peak mean abundance of guillemot within the aerial survey study area was 6,462 birds. The nearest guillemot colony to DEP and SEP is the Flamborough and Filey Coast SPA. This is located approximately 118km and 124km from DEP and SEP respectively, and is beyond the mean maximum foraging range of guillemot (73.2km, standard deviation 80.5km), though within the mean maximum foraging range plus a standard deviation (Woodward et al., 2019). However, it is considered that these numbers overestimate the likely behaviour of birds from many colonies due to the inclusion of some data from Fair Isle, where data were collected during a year where the local prey resource collapsed, resulting in very high foraging distances being recorded. Utilisation distributions produced from a multiyear tracking dataset consisting of 192 birds (Cleasby et al., 2018; Wakefield et al., 2017) indicate that DEP and SEP are situated outside the core and home foraging ranges, of adult guillemots breeding at the Flamborough and Filey Coast SPA.
104. This information suggests that the presence of birds in large numbers during the breeding season is unlikely (i.e. despite the potential for some annual variation, it is still considered that there is a low chance that such an event has been missed by baseline surveys). This is supported by data presented by Waggitt et al. (2019), which also indicate that higher numbers of birds might be expected across DEP and SEP outside the breeding season, a pattern supported by the abundances recorded during the baseline surveys.
105. Based on the existing information regarding this species, its foraging range, and at-sea distribution, it is concluded that there is no connectivity between DEP and SEP during the breeding season with the breeding population of the Flamborough and Filey Coast SPA. Impacts on guillemot have therefore been compared to the appropriate BDMPS. This is considered to be the UK North Sea and Channel BDMPS, consisting of 1,617,306 individuals during the non-breeding season (August to February) (Furness, 2015). Since immature seabirds are known often to remain in wintering areas during the breeding season, the number of immature birds in the relevant population during the breeding season may be estimated as 43% of the total wintering BDMPS population (Furness, 2015). This gives a breeding season population of 695,441 birds (BDMPS for the UK North Sea and Channel, 1,617,306 x 0.43).

#### 13.1.3.2.13 *Herring gull*

106. Herring gulls were recorded within the aerial survey study area at relatively low density year round, with slightly higher numbers of birds typically recorded during the breeding season. Peak mean abundances were 34 birds during the non-breeding season and 51 birds during the breeding season.
107. These observations do not concord with the modelled data presented by Waggitt et al. (2019), which suggest that more birds may be present during the non-breeding season.

108. The nearest herring gull breeding sites to DEP and SEP lie on the North Norfolk Coast. In recent years, birds have been recorded breeding at several locations here, including Blakeney Point (latest count 39 nests in 2020), Holkham (latest count 119 nests in 2018), Outer Trial Bank (latest count 1,001 nests in 2018), Titchwell Marsh (latest count one nest in 2017), and Hunstanton town (latest count 65 nests in 2019) (JNCC, 2020). These sites are all located between 20-80km from DEP and SEP, which means that they are largely within the mean maximum foraging range of herring gull (58.8km, standard deviation 14.9km) (Woodward et al., 2019). These breeding locations are not part of a designated population, and it is not considered that there is connectivity with other designated breeding populations of this species.
109. On this basis, it is considered appropriate to assume that herring gulls recorded at DEP and SEP originate from the breeding populations on the North Norfolk Coast, which consists of approximately 1,225 breeding pairs (2,450 breeding adults). The full breeding season (March to August) will be used to assess impacts on this species.
110. Outside the breeding season, impacts on herring gull have been compared to the appropriate BDMPS for the season in question. The relevant background population is considered to be the UK North Sea and Channel BDMPS, consisting of 466,511 individuals during the non-breeding season (September to February) (Furness, 2015).

#### 13.1.3.2.14 Kittiwake

111. The nearest kittiwake colony to DEP and SEP is the Flamborough and Filey Coast SPA. This is located approximately 118km and 124km from DEP and SEP respectively, and is within the mean maximum foraging range of kittiwake (156.1km, standard deviation 144.5km) (Woodward et al., 2019). A tracking study of 20 birds breeding at the Flamborough and Filey Coast SPA in 2017 found an average foraging range of 88.65km (with a range of 3.2km to 324km), with birds travelling into the North Sea northwest and southwest of the colony (Wischniewski et al., 2017). The utilisation distributions produced from the 2017 tracking data indicate that DEP and SEP may fall within the core and home foraging ranges of kittiwake from this SPA. The utilisation distributions produced from a larger, multiyear tracking dataset consisting of 583 birds (Cleasby et al., 2018; Wakefield et al., 2017) indicated that DEP and SEP fall within the home foraging range, but not the core foraging range, of adult kittiwakes breeding at the Flamborough and Filey Coast SPA. The available evidence in the literature indicates that the at-sea distribution of kittiwake may vary between years, but the distance between the nearest breeding colony, and DEP and SEP, suggests that the presence of birds in large numbers during the breeding season is unlikely (i.e. despite the potential for some annual variation, it is still considered that there is a low chance that such an event has been missed by baseline surveys). This is supported by data presented by Waggitt et al. (2019).



112. Based on the existing information regarding this species, its foraging range and at-sea distribution, it is presumed that 100% of birds present at DEP and SEP during the breeding season are breeding adults from the Flamborough and Filey Coast SPA. This is a highly precautionary approach, as it is expected that an unknown proportion of birds present at DEP and SEP during the breeding season will be non-breeding birds that are potentially not associated with the SPA population. Whilst this is not quantified by the assessment, it is factored into its conclusions as appropriate. It is also considered appropriate to utilise the full breeding season (March to August) when considering impacts against the breeding season reference population, given the precautionary nature of such an approach.
113. On this basis, predicted impacts on kittiwake during the breeding season have been compared to the SPA reference population. The SPA population on the citation was 44,520 pairs, recorded between 2008 and 2011 (Natural England, 2018), which remained relatively stable at 45,504 pairs by 2017 (Aitken et al., 2017). This equates to a latest total population size of 165,469, when calculated as individuals and multiplied up to include subadult birds, based on the adult proportion of 0.53 from Furness (2015). As the population of kittiwake at the Flamborough and Filey Coast SPA appears to be stable between designation and 2017 (Aitken et al., 2017; JNCC, 2020), the higher estimate of total numbers of individuals (breeding and non-breeding/sub-adult birds) has been used as a reference population.
114. The mean peak abundance of kittiwake recorded in the aerial survey study area by the baseline surveys was 2,985 birds. This suggests that the aerial survey study area is not part of the core foraging area for breeding foraging kittiwake from the Flamborough and Filey Coast SPA, as evidenced by the utilisation distribution data referred to above.
115. Outside the breeding season, impacts on kittiwake have been compared to the appropriate BDMPS for the season in question. The relevant background population is considered to be the UK North Sea BDMPS, consisting of 829,937 individuals during autumn migration (August to December), and 627,816 individuals during spring migration (January to April) (Furness, 2015). During these seasons, mean peak abundance within the aerial survey study area was 4,037 birds during the autumn migration season, and 116 birds during the spring migration season. Comparison of mean peak abundances to relevant background population sizes indicates that the aerial survey study area is of relatively low importance for this species in these seasons.

#### 13.1.3.2.15 *Lesser black-backed gull*

116. The nearest lesser black-backed gull breeding sites to DEP and SEP lie on the North Norfolk Coast. In recent years, birds have been recorded breeding at several locations here, including Blakeney Point (latest count 10 nests in 2020), Holkham (latest count 5 nests in 2020), Berney Marshes (latest count 20 nests in 2019), Outer Trial Bank (latest count 1,294 nests in 2018) and Hunstanton town (latest count one nest in 2019) (JNCC, 2020). These sites are all located between 20-80km from DEP and SEP, which means that they are within the mean maximum foraging range of lesser black-backed gull (127km, standard deviation 109km) (Woodward et al., 2019).

117. The nearest SPA that supports breeding lesser black-backed gull as a qualifying feature is the Alde-Ore Estuary SPA. This is located approximately 125km from DEP, and 135km from SEP. Whilst lesser black-backed gull are within published mean maximum foraging range of DEP and SEP, tracking data collected from breeding adults at this colony (Thaxter et al., 2015) suggest that DEP and SEP do not fall within the home range of this population.
118. Whilst this does not preclude the presence of birds from this SPA at DEP and SEP, this information does suggest that the presence of birds in large numbers during the breeding season is unlikely. This is supported by the mean peak count of 176 birds within the aerial survey study area during the breeding season. The relatively low importance of this site to this species during the breeding season is supported by data presented by Waggitt et al. (2019).
119. On this basis, it is considered appropriate to assume that herring gulls recorded at DEP and SEP originate from the breeding populations on the North Norfolk Coast, which consists of approximately 1,330 breeding pairs (2,660 breeding adults). The full breeding season (April to August) will be used to assess impacts on this species.
120. Outside the breeding season, impacts on lesser black-backed gull have been compared to the appropriate BDMPS for the season in question. The relevant background population is considered to be the UK North Sea and Channel BDMPS, consisting of 209,007 individuals during autumn migration (August to December), 39,314 individuals during the winter (November to February) and 197,483 individuals during spring migration (March to April) (Furness, 2015). Mean peak counts of the aerial survey study area were 27 birds during the autumn migration season, seven birds during the winter, and zero birds during the spring migration season.
121. Comparison of mean peak abundances to relevant background population sizes indicates that the aerial survey study area is of relatively low importance for this species, particularly outside the breeding season.

#### 13.1.3.2.16 *Little gull*

122. Little gull is a passage species in the area in which DEP and SEP are located, and a qualifying feature of the Greater Wash SPA. Birds were recorded within the aerial survey study area in September to December, and in April, but with the exception of October in both survey years, numbers recorded were extremely small. This reflects the strong seasonal patterns recorded within the data analysed for the designation of the Greater Wash SPA (Lawson et al., 2016). The mean peak for the non-breeding season was 1,066 birds, and seven birds for the breeding season.
123. The biogeographic population of the North Sea has previously been estimated to be 75,000 birds (Stienen et al., 2007), which is used as the reference population by the assessment. Comparison of mean peak abundances to relevant background population sizes indicates that the aerial survey study area is of relatively low importance for this species.

#### 13.1.3.2.17 *Manx shearwater*

124. Manx shearwater was recorded on three occasions during the baseline surveys. The mean peak abundance for the aerial survey study area was 134 birds during the autumn migration season, and three birds during the breeding season, though these birds are expected to actually be late spring migrants.

### 13.1.3.2.18 *Pomarine skua*

125. Recorded on a single occasion during the baseline surveys (December 2018), this is a passage species in the area in which DEP and SEP are located. The mean peak abundance for the aerial survey study area was four birds.

### 13.1.3.2.19 *Puffin*

126. The nearest puffin colony to DEP and SEP is the Flamborough and Filey Coast SPA. This species is not a qualifying feature of the site in its own right, but is listed as a component of the breeding seabird assemblage. This is located approximately 118km and 124km from DEP and SEP respectively, and is just within the mean maximum foraging range of puffin (137.1km, standard deviation 128.3km) (Woodward et al., 2019). The distance between the nearest breeding colony and DEP and SEP, suggests that the presence of birds in large numbers during the breeding season is unlikely (i.e. despite the potential for some annual variation, it is still considered that there is a low chance that such an event has been missed by baseline surveys). This is supported by data presented by Waggitt et al. (2019), which also indicate that higher numbers of birds might be expected across DEP and SEP outside the breeding season. The baseline surveys recorded a mean peak abundance of 14 birds during this time within the aerial survey study area, which supports the existing evidence.
127. It is presumed that 100% of birds present at DEP and SEP during the breeding season are breeding adults from the Flamborough and Filey Coast SPA. It is also considered appropriate to utilise the full breeding season (April to July) when considering impacts against the breeding season reference population, given the precautionary nature of such an approach.
128. Predicted impacts on puffin during the breeding season has been compared to the latest colony count, which was 4,279 birds recorded on the sea in 2018 (JNCC, 2020). This was an increase on the 2,879 birds recorded on the sea in 2017 (Aitken et al., 2017; JNCC, 2020), but is not a definitive count of the breeding population. However, in the absence of any population estimate, this is considered to be the size of the breeding population at this colony, and impacts are assessed on that basis.
129. Outside the breeding season, impacts on puffin have been compared to the appropriate BDMPS for the season in question. The relevant background population is considered to be the UK North Sea and Channel BDMPS, consisting of 231,957 individuals during the non-breeding season (mid-August to March) (Furness, 2015). The mean peak abundance within the aerial survey study area was 71 birds.
130. Comparison of mean peak abundances to relevant background population sizes indicates that the aerial survey study area is of relatively low importance for this species year round.

#### 13.1.3.2.20 *Razorbill*

131. The nearest razorbill colony to DEP and SEP is the Flamborough and Filey Coast SPA. This is located approximately 118km and 124km from DEP and SEP respectively, and is beyond the mean maximum foraging range of razorbill (88.7km, standard deviation 75.9km), though within the mean maximum foraging range plus a standard deviation (Woodward et al., 2019). However, it is considered that these numbers overestimate the likely behaviour of birds from many colonies due to the inclusion of some data from Fair Isle, where data were collected during a year where the local prey resource collapsed, resulting in very high foraging distances being recorded.
132. Utilisation distributions produced from a multiyear tracking dataset consisting of 299 birds (Cleasby et al., 2018; Wakefield et al., 2017) indicate that DEP and SEP are situated outside the home foraging range, of adult razorbills breeding at the Flamborough and Filey Coast SPA. The distance between the nearest razorbill breeding colony, and DEP and SEP, suggests that the presence of birds in large numbers during the breeding season is unlikely (i.e. despite the potential for some annual variation, it is still considered that there is a low chance that such an event has been missed by baseline surveys). This is supported by data presented by Waggitt et al. (2019), which also indicate that higher numbers of birds might be expected across DEP and SEP outside the breeding season.
133. Based on the existing information regarding this species, its foraging range, and at-sea distribution, it is concluded that there is no connectivity between DEP and SEP during the breeding season with the breeding population of the Flamborough and Filey Coast SPA. Impacts on razorbill have therefore been compared to the appropriate BDMPS for the season in question. The relevant background population is considered to be the UK North Sea and Channel BDMPS, consisting of 591,874 individuals during passage periods (August to October and January to March), and 218,622 individuals during winter (November and December) (Furness, 2015). Since immature seabirds are known often to remain in wintering areas, the number of immature birds in the relevant population during the breeding season may be estimated as 43% of the total wintering BDMPS population (Furness, 2015). This gives a breeding season population of 94,007 (BDMPS for the UK North Sea and Channel,  $218,622 \times 0.43$ ).

#### 13.1.3.2.21 *Red-throated diver*

134. Red-throated diver are present in the wider Greater Wash region as a non-breeding species, and is a qualifying feature of the Greater Wash SPA.
135. Birds were recorded in the aerial survey study area in all months except for June, July and August, which makes up around three quarters of their migration free breeding season (Furness, 2015). Abundance estimates for the aerial survey study area were 181 birds during autumn migration, 21 birds during winter, 33 birds during spring migration and 220 birds during the breeding season, though it is assumed that these are either late migrants or non-breeding birds.

136. During the migration seasons (September to November and February to April), the relevant background population is considered to be the UK North Sea BDMPS, consisting of 13,277 individuals (Furness, 2015). Birds recorded in May, which are assumed to be non-breeding birds, have been allocated to this population. The SW North Sea BDMPS population of 10,177 individuals is relevant to the winter period (December and January) (Furness, 2015).
137. Comparison of mean peak abundances to relevant background population sizes indicates that the aerial survey study area is of relatively low importance for this species.

13.1.3.2.22 *Sandwich tern*

138. Sandwich terns were recorded in the aerial survey study area between March and September, with mean peaks of 1,133 birds during the breeding season, and 111 birds during autumn migration. Removing the incomplete 2020 breeding season from these calculations increases the breeding season mean peak to 1,700 birds.
139. The nearest breeding population of Sandwich terns to DEP and SEP are located within the North Norfolk Coast SPA, of which Sandwich tern is a qualifying feature. Within the boundary of the North Norfolk Coast SPA, Sandwich tern breed at two principal colonies; Blakeney Point and Scolt Head (JNCC, 2020; Perrow et al., 2017); whilst other smaller colonies have previously been used within the SPA, these are the two main sites.
140. Scolt Head is located 51km from DEP and 33km from SEP, and Blakeney Point is located 38km from DEP and 22km from SEP (**Table 13-8**). This means that DEP and SEP are both within, or close to, the mean maximum foraging range of Sandwich tern (34.3km, standard deviation 23.2km), and well within the maximum measured foraging range of Sandwich tern from this SPA (54km) (Woodward et al., 2019).
141. Alternative Sandwich tern breeding locations within the SPA, such as Holkham, have been unused since 2004 (JNCC, 2020).

*Table 13-8: Approximate distances between North Norfolk Coast SPA Sandwich tern breeding locations and DEP and SEP*

| Location             | Distance from DEP (km) | Distance from SEP (km) |
|----------------------|------------------------|------------------------|
| Nearest SPA boundary | 37                     | 21                     |
| Scolt Head           | 51                     | 33                     |
| Blakeney Point       | 38                     | 22                     |

142. It is clear that there is connectivity between DEP, SEP and the North Norfolk Coast SPA Sandwich tern population regardless of the breeding colony used, and the assessment assumes that 100% of Sandwich terns present at DEP and SEP during the breeding season are breeding adults from the North Norfolk Coast SPA. It is also considered appropriate to utilise the full breeding season (April to August) when considering impacts against the breeding season reference population, given the precautionary nature of such an approach and the international importance of the population concerned. Predicted impacts on Sandwich tern during the breeding season have therefore been compared to the SPA reference population.



143. Recent trends in the North Norfolk Coast SPA Sandwich tern population are described in the data presented in **Table 0-9**. The SPA population at the latest published count was 4,850 pairs in 2018 (JNCC, 2020). This equates to a latest total population size of 15,902, when calculated as individuals and multiplied up to include subadult birds, based on the adult proportion of 0.61 from Furness (2015). However, more recent, but as yet unpublished, counts estimated the population to be 13,170 breeding adults in 2020, or 21,590 total individuals based on the assumptions above. Whilst shorter term trends show an increasing population, longer term trends show a slight decline since the 1970's (4,057 pairs were recorded in 1970) (JNCC, 2020).
144. As the population of Sandwich tern at the North Norfolk Coast SPA appears to have increased between 2008 and 2018 (JNCC, 2020), and appears to have been relatively stable since approximately 2013, the population estimate based on the 2018 count (breeding and non-breeding/sub-adult birds) has been used as a reference population.

*Table 0-9: Annual Sandwich tern population estimation and breeding success at the North Norfolk Coast SPA by breeding colony since 2008 (JNCC, 2020).*

| Year | Scolt Head |                                   | Blakeney Point |                                   | Total Adults |
|------|------------|-----------------------------------|----------------|-----------------------------------|--------------|
|      | Nests      | Success (fledged chicks per pair) | Nests          | Success (fledged chicks per pair) |              |
| 2004 | 1,800      | 0.34                              | 1,260          | 0.34                              | 6,120        |
| 2005 | 1,900      | 0.87                              | 1,650          | 0.55                              | 7,100        |
| 2006 | 2,500      | 0.80                              | 950            | 0.86                              | 6,900        |
| 2007 | 1,800      | 0                                 | 1,800          | 0.78                              | 7,200        |
| 2008 | 280        | 0.01                              | 2,400          | 0.64                              | 5,360        |
| 2009 | No data    | -                                 | 3,100          | 0.42                              | 6,200        |
| 2010 | 480        | 0                                 | 2,500          | 0.36                              | 5,960        |
| 2011 | 0          | -                                 | 3,562          | 0.52                              | 7,124        |
| 2012 | 400        | 0                                 | 3,735          | 0.59                              | 8,270        |
| 2013 | 550        | 0                                 | 4,120          | 0.44                              | 9,340        |
| 2014 | 1,050      | 0.60                              | 2,859          | 0.19                              | 7,818        |
| 2015 | 3,550      | 0.90                              | 1,113          | 0.01                              | 9,326        |
| 2016 | 3,365      | 0.80                              | 451            | 0.39                              | 7,632        |
| 2017 | 4,665      | 0.94                              | 3              | 0                                 | 9,336        |

| Year | Scolt Head |                                   | Blakeney Point |                                   | Total Adults |
|------|------------|-----------------------------------|----------------|-----------------------------------|--------------|
|      | Nests      | Success (fledged chicks per pair) | Nests          | Success (fledged chicks per pair) |              |
| 2018 | 4,685      | 0.85                              | 165            | 0.12                              | 9,700        |
| 2019 | 3,805      | No data                           | 788            | 0.51                              | 9,186        |
| 2020 | 4,160      | 0.72                              | 2,425          | 0.45                              | 13,170       |

145. Since 2015, the majority of Sandwich terns breeding in the North Norfolk Coast SPA have been located at Scolt Head, and not Blakeney Point (JNCC, 2020). The selection of a preferred breeding location is due to a number of reasons. These include the presence of black-headed (a positive factor for Sandwich tern colonisation) and large gulls (a negative factor for Sandwich tern colonisation) at the start of the breeding season, the presence of non-avian predators (e.g. foxes), and the state of vegetation. In recent years, several anecdotal observations have been made. Scolt Head has been largely free of foxes, whilst they have been present at Blakeney Point. It may be the case that vegetation has been more favourable at Scolt Head, with higher vegetation developing at Blakeney Point. Due to the presence of large gulls at Blakeney Point and few large gulls at Scolt Head, in recent years Sandwich terns have bred at Scolt Head (JNCC, 2020). However, this could change at any time, and in 2019 and 2020, numbers of birds breeding at Blakeney Point have increased.
146. As baseline data for the site were collected at a time when the majority of Sandwich terns were breeding at Scolt Head, the impacts predicted by the assessment might be less applicable to years when the majority of Sandwich terns breed at Blakeney Point, which is closer to DEP and SEP. Whilst it might be expected that the 2019 baseline data represent a situation with reasonable numbers of breeding birds at Blakeney Point (given that 788 pairs of birds bred at Blakeney Point in that year), a range of data sources were consulted to investigate the potential effects of higher numbers breeding at Blakeney Point.

147. Predicted at-sea usage models produced from 108 Sandwich tern tracks collected across three breeding seasons were assessed (Wilson et al., 2014). These included 48 tracks from Scolt Head and 60 from Blakeney Point. The environmental covariates selected in the most parsimonious model were distance to colony, distance to shore, bathymetry and shear stress wave (i.e. peak seabed wave kinetic energy). The density surface models (DSMs) produced were overlaid with DEP and SEP in a Geographic Information System (GIS) to assess the relative importance of both OWFs to birds breeding at Scolt Head and Blakeney Point. For Sandwich terns breeding at Scolt Head, 0.029% of the total at-sea activity at any given time was predicted to occur within SEP. When breeding at Blakeney Point, this increased to 0.364% (a 12.5-fold increase). The mean activity value for cells within SEP in both models are within the bottom 2.5% of values for predicted at-sea usage, indicating that according to the models, SEP does not represent an important habitat for breeding foraging Sandwich terns from the North Norfolk Coast SPA. However, a predicted increase in Sandwich tern abundance at SEP when larger numbers of birds breed at Blakeney Point is plausible based on the data presented. At DEP, an equivalent comparison was not possible, as the spatial coverage of the model for birds breeding at Scolt Head does not overlap with DEP. Modelled at-sea usage for breeding Sandwich terns from Blakeney Point indicates that 0.023% of the total at-sea activity at any given time was predicted to occur within DEP. As Scolt Head is further away from DEP than Blakeney Point, and distance from colony is the only covariate in the model for which values at Scolt Head and Blakeney Point differ, it is reasonable to conclude that the predicted activity at DEP for birds breeding at Scolt Head would be lower than for birds breeding at Blakeney Point.
148. Anecdotal observations from the SOW Ornithological Monitoring Programme (OMP) (Harwood et al., 2018) indicate that a switch of breeding birds to Scolt Head was thought to be a contributory factor in reductions in Sandwich tern numbers at SOW during one operational year. However, no evidence was collected that enabled these events to be linked more formally, and the observation was made over just a single breeding season. Due to the nature of the tern tracking data collected by Harwood et al. (2018) (i.e. the opportunistic nature of locating birds for tracking), it was not considered appropriate to undertake quantitative comparisons of tern numbers reported between years.



149. Since the 2016 breeding season, the DOW OMP has been tagging Sandwich terns breeding at Scolt Head to enable greater insight into the at-sea distribution of foraging individuals. Data from nine birds in 2016, two in 2017, 19 in 2018 and nine in 2019 contributed to the latest analysis and overview of these data (Green et al., 2019). Whilst the largest area of highest Sandwich tern activity is located much closer to Scolt Head than either DEP or SEP, there are areas of high activity situated further from Scolt Head. Some of these, including an area overlapping DEP and extending to the north of it, appear in multiple years. This suggests the existence of ‘preferred’ Sandwich tern feeding areas that persist between breeding seasons. The apparent predetermined nature of Sandwich tern foraging discussed in Perrow et al. (2017) (i.e. that birds have selected their destination on foraging trips prior to leaving the colony or early in the trip) adds further weight to this hypothesis, though the suggestion from the same paper that foraging ranges of birds at both colonies might be somewhat distinct does not. When breeding shifts to Blakeney Point it is assumed that birds will likely continue to use this feeding area, possibly, but not definitely, in greater numbers than when birds breed at Scolt Head.
150. As Blakeney Point is considerably closer to DEP and SEP than Scolt Head (by approximately 10km to 15km, respectively; **Table 13-8**), an increased level of Sandwich tern activity at both DEP and SEP could occur if the majority of breeding birds relocate to Blakeney Point, which is likely at some point in the future. This is supported by the general principle of central place foraging theory, and by the Sandwich tern usage models produced by Wilson et al. (2014). These models also suggest limited connectivity between breeding foraging Sandwich terns and DEP, which does not accord with published foraging distances or the baseline data collected. Whilst unconfirmed, it is possible that the reasons for this are related to methodological limitations of the tern tracking methods (i.e. limited range of the boat to track birds, or boats being outrun by birds in flight). It is clear from utilisation distributions produced from the recent GPS tracking data (Green et al. (2019)) that persistent foraging hotspots occurred in 2018 and 2019 for Sandwich terns breeding at Scolt Head, and it is possible, assuming that the use of these areas persists, that the choice of breeding site may not result in substantial changes in at-sea distribution. It is also possible that the at-sea distribution could change, although it is difficult to see why the use of productive feeding grounds would not continue.
151. It is not possible to quantitatively correct for this potential variability in Sandwich tern distribution at sea based on their choice of breeding site. However, qualitative consideration is incorporated into the assessment for Sandwich tern.
152. Outside the breeding season, the predicted mortality of Sandwich terns due to impacts at DEP and SEP has been compared to the appropriate BDMPS for the season in question. The relevant background population is considered to be the UK North Sea and Channel BDMPS, consisting of 38,051 individuals during autumn migration (July to September), and spring migration (March to May) (Furness, 2015).

#### 13.1.3.2.23 Shag

153. Shag was only recorded once during the baseline surveys; in February 2020, which is within the breeding season for this species. The mean peak count for this species within the aerial survey study area was 3 birds.

154. The nearest breeding population of this species is located at Holkham (JNCC, 2020), approximately 28km from SEP, and 46km from DEP. This population is not a cited component of any designated site. Parts of the aerial survey study area therefore fall within the mean maximum foraging range of cormorant (25.6km, standard deviation 8.3km) (Woodward et al., 2019). Based on the available information it is presumed that 100% of birds recorded within the aerial survey study area originated from the colony at Holkham. At the last count in 2018, this colony supported 177 breeding pairs, which is considered to be the reference population for this species.
155. Comparison of mean peak abundances to relevant background population sizes, and evaluation of the presented information on foraging ranges indicates that the aerial survey study area is of relatively low importance for this species year round.

#### 13.1.4 Discussion of Sandwich tern PVA

156. The purpose of this section is to present the range of information which has been used to inform the interpretation of the Sandwich tern PVA.
157. High quality data were available for Sandwich tern with respect to generic annual survival rates of various age classes (Horswill and Robinson, 2015) and colony specific breeding success (JNCC, 2020).
158. Breeding Sandwich terns are known to redistribute between adjacent colonies between years (Lloyd et al., 2001), and published data indicate that widespread connectivity between colonies in north-western Europe is likely (Fijn et al., 2014). It is unlikely that sufficient population demographic data exist for enough colonies that would need to be included, to produce a meaningful model incorporating a wider metapopulation, in addition to a lack of empirical information on immigration and emigration rates to and from these colonies. Therefore, the North Norfolk Coast SPA has been modelled as a closed population. The use of closed population models can overestimate population level effects at the colony level (Cook and Robinson, 2016; Miller et al., 2019), resulting in model outputs that indicate that the population being modelled is much more sensitive to impacts than is genuinely the case. The same applies to density dependence, which has not been incorporated into the model as no evidence for this effect was found for this population. However, it is recognised that these effects may exist in the wider metapopulation, and are not able to be detected within the available data. In addition, it is the case that density independent models often fail to correctly incorporate density dependence, which could increase the rate of population decline in a depleted population (Horswill and Robinson, 2015), and is a characteristic sometimes observed at Sandwich tern colonies.
159. The baseline, unimpacted scenario produced using the input parameters specified in **Section 13.1.2.6** and **Chapter 13, Offshore Ornithology** predicted a population decline of approximately 2% per annum in the North Norfolk Coast SPA Sandwich tern population. This does not reflect recent trends in this population, which show steady increases between 2010 and 2020 at an average rate of 9% per year. Over double the number of breeding adults were present within the North Norfolk Coast SPA in 2020 than 2010.

160. This apparent misspecification of expected future population trends in future years by the model could be due to a number of factors. The generic published age-specific Sandwich tern survival rates used as model inputs may not accurately reflect the situation at the North Norfolk Coast SPA. Robinson (2010) calculated the 0-1 age class survival rate from a dataset consisting of a mixture of nestlings and older juveniles to second calendar year. The presence of nestling data with the calculations for this mortality rate means that there is a degree of double counting of mortality between this value, and the SMP (2020) productivity estimate data, which is expressed as fledged chicks per pair.
161. A further potentially important factor is immigration into the colony; this may have a substantial influence on the growth of the colony recorded in recent years, which is not reflected in the demographic parameters used as model inputs.
162. It is proposed to undertake investigations into the differences between the modelled population trend and observed trends at the North Norfolk Coast SPA as part of the final Environmental Statement (ES) submission, particularly with respect to how impacted scenarios might vary when applied to increasing, stable, or decreasing baseline scenarios.
163. In order to establish an approximate level of additional annual mortality below which it may be possible to conclude that significant population level effects on Sandwich terns at the North Norfolk Coast SPA are unlikely, the Counterfactual of Population Growth Rate (CPGR) and the Counterfactual of Population Size (CPS) associated with a range of additional annual mortalities between 10 and 210 (in increments of 25 birds) were evaluated (see above). The advantage of using the counterfactual metrics as a means of interpreting the outputs of PVAs is that they have been demonstrated to be robust to misspecification of demographic rates in the underpinning population models and to variation in the predicted baseline population trends. CPS and CPGR metrics have been found to be less sensitive to misspecification than other measures (Cook and Robinson, 2016; Jitlal et al., 2017).
164. The duration of the impact of DEP and SEP is 35 years, and when considering potential project alone impacts, this is the time period over which potential impacts have been assessed. Cumulative and in-combination effects are more complex. Specifically, for SOW seven of the proposed 25 years of operation have already elapsed, and three of the 25 years of operation have already elapsed in the case of DOW and Race Bank OWF. At the time of writing, Triton Knoll OWF is yet to become operational, but construction is underway. Effects for this OWF have been previously considered over a 25 year period (DECC, 2012). Cumulative and in-combination effects have therefore been considered over a 25 year period.

165. It is considered that the CPGR is more informative and robust for the purposes of the assessment than the CPS after extended periods of impact (Macarthur Green, 2019). Changes in predicted growth rate are not dependent on the length of time over which an impact will operate, whereas estimates of the counterfactual of population size change with the period over which they are calculated (NIRAS Consulting and Macarthur Green, 2018). A CPGR can be compared to recent and longer-term population trends and represents a measure of the population’s resilience and ability to regenerate. It is also relatively insensitive to the absolute value for the baseline rate of growth or direction (positive or negative). In contrast the CPS is much more sensitive to the predicted population trend (strength of growth and direction) as well as the time period of model predictions. This is particularly true in the absence of density dependence.
166. Scenarios A to D (initial mortality rates of 10 (A), 35 (B), 60 (C), 85 (D) and 110 (E) breeding adults per year) results in a median CPGR that would remain within 1% of the baseline scenario. The corresponding median CPS values for these scenarios after 35 years are 0.968, 0.894, 0.826, 0.762 and 0.703. Clearly, after a substantial period of time (i.e. 35 years), a measurable effect is likely at potentially all impact levels investigated by the PVA. Even after relatively short periods of time the median CPS for scenarios C-I are sufficiently different to the baseline that impacts may be detectable (i.e. after three years of impact a difference of >1% from the baseline scenario has occurred).
167. The recent population trends for the North Norfolk Coast SPA population have coincided with a period when there is the potential for existing impacts on the population to arise due to the operation of SOW (since 2013), and three years operation of DOW and Race Bank OWF (since 2018).

*Table 13-10 As-built Sandwich tern collision rates at DOW, Race Bank OWF and SOW, at a range of avoidance rates and different flight height distributions (both from Johnston et al., 2014 and “Corrigendum” (2014)).*

| OWF       | Mean Flight Height Distribution |        |       | Upper 95% Confidence Interval Flight Height Distribution |        |       |
|-----------|---------------------------------|--------|-------|----------------------------------------------------------|--------|-------|
|           | 0.980                           | 0.9883 | 0.993 | 0.980                                                    | 0.9883 | 0.993 |
| DOW       | 5.7                             | 3.3    | 2     | 14.9                                                     | 8.7    | 5.2   |
| Race Bank | 11.1                            | 6.5    | 3.9   | 30.3                                                     | 17.8   | 10.6  |
| SOW       | 5.1                             | 3      | 1.8   | 13.4                                                     | 7.8    | 4.7   |
| Total     | 21.9                            | 12.8   | 7.7   | 58.6                                                     | 34.3   | 20.5  |

168. Over the period that wind farms have been operational within the foraging range of this population, the population has increased from 9,340 breeding adults in 2013 (the first full year when SOW was operational) to 9,700 breeding adults in 2018 (the first full year when DOW and Race Bank became operational), to 13,170 breeding adults in 2020 (i.e. an increase of 3,470 breeding adults during the three breeding seasons during which all three OWFs have been operational).

169. It is apparent that the North Norfolk Coast SPA Sandwich tern population has continued to increase strongly in recent years, despite the predicted mortality due to the presence of operational OWFs. This does not mean that there has been no collision mortality over this short period or that such mortality has not affected this population. It is possible that the population growth would have been even greater than observed in the absence of these existing OWFs. It is also the case that the bulk of this predicted mortality would have occurred over a short period only (i.e. three years). As such, the effect on population trend may not be detectable. However, to date, the population has shown marked increases in recent years despite the operation of OWFs (and accompanying potential for mortality) within the foraging range of birds breeding within this SPA.
170. Population declines did not occur within the Sandwich tern population of the North Norfolk Coast SPA from 2014 to 2020; indeed, it increased from 7,818 adults to 13,170 adults during this time. This is despite the population being subject to a level of impact between 2018 and 2020 due to the operation of three OWFs near the SPA causing up to 62 deaths of breeding adults per year (i.e. 59 birds per year as per Table 13-10, combined with up to three birds due to displacement as described in [Chapter 13, Offshore Ornithology](#)).
171. There are a number of points which could either entirely or partially explain this situation:
- The PVA could be broadly correct, and the 2018, 2019 and 2020 populations and breeding success rates may have been higher without these impacts.
  - The PVA could be overestimating the potential population level effects due to a given mortality rate. This is a known potential consequence of closed system, density independent PVAs, though does not guarantee this to be the case here.
  - Immigration rates are high, which cause increases in the population and mask the intrinsic demographic effects occurring in the population.
  - In years where birds do not breed in substantial numbers at Blakeney Point, and instead favour Scolt Head, collision mortality might be lower due to potential spatial differences in at-sea habitat usage, and this in turn might reduce population level effects. In 2018 and 2019 this was the case. However, in 2020, 2,425 nests were recorded at Blakeney Point. This is a greater number of nests than the mean number recorded at Blakeney Point during the surveys for SOW in 2004 and 2005 (1,455), and Race Bank in 2006 and 2007 (1,375), but slightly lower than the years that DOW was surveyed in 2008 and 2009 (2,750).
  - The number of collisions that have been previously calculated to be occurring at the existing OWFs is an overestimate of the actual number of collisions. There are two potentially large sources of overestimation. There is evidence of behavioural avoidance rates of Sandwich terns of 0.993 from this very population of Sandwich terns (Harwood et al., 2018), higher than previously used (0.9883) and currently advised (0.980). However, this may be at least partially offset if larger numbers of birds than suggested by Johnston et al. (2014) and “Corrigendum” (2014) are flying within OWFs at PCH.

172. The use of PVA in the assessment, whilst useful for context, is not able to provide a definitive answer with respect to identifying with certainty a level of mortality at which impacts on Sandwich terns are likely to result in population level effects at the North Norfolk Coast SPA.



### 13.1.5 References

|                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aitken, D., Babcock, M., Barratt, A., Clarkson, C., Prettyman, S., 2017. Flamborough and Filey Coast pSPA Seabird Monitoring Programme - 2017 Report. RSPB.                                                                                                                                                  |
| Banks, A.N., Burton, N.H.K., Calladine, J.R., Austin, G.E., 2007. Winter gulls in the UK: population estimates from the 2003/04-2005/06 Winter Gull Roost Survey (BTO Research Report No. 456).                                                                                                              |
| Bowgen, K., Cook, A., 2018. Bird Collision Avoidance: Empirical evidence and impact assessments (JNCC Report No. 614). JNCC, Peterborough.                                                                                                                                                                   |
| Buckland, S.T., Anderson, D.R., Burnham, K.P., Laake, J.L., Borchers, D.L., Thomas, L., 2001. Introduction to Distance Sampling: Estimating Abundance of Biological Populations. Oxford University Press, Oxford.                                                                                            |
| Cleasby, I.R., Owen, E., Wilson, L.J., Bolton, M., 2018. Combining habitat modelling and hotspot analysis to reveal the location of high density seabird areas across the UK (Research Report No. 63). RSPB Centre for Conservation Science.                                                                 |
| Cook, A.S.C.P., Humphreys, E.M., Masden, E.A., Burton, N.H.K., 2014. The Avoidance Rates of Collision Between Birds and Offshore Turbines (No. Volume 5 Number 16), Scottish Marine and Freshwater Science.                                                                                                  |
| Cook, A.S.C.P., Robinson, R.A., 2016. Testing sensitivity of metrics of seabird population response to offshore wind farm effects (JNCC Report No. 553). JNCC.                                                                                                                                               |
| Corrigendum, 2014. . Journal of Applied Ecology 51, 1126–1130. <a href="https://doi.org/10.1111/1365-2664.12260">https://doi.org/10.1111/1365-2664.12260</a>                                                                                                                                                 |
| Cramp, S. (Ed.), 1985. Handbook of the Birds of Europe, the Middle East and North Africa: The Birds of the Western Palearctic. Volume 4: Terns to Woodpeckers. Oxford University Press.                                                                                                                      |
| DECC, 2012. Record of the Appropriate Assessment Undertaken for Applications Under Section 36 of the Electricity Act 1989: Docking Shoal Offshore Wind Farm (as amended), Race Bank Offshore Wind Farm (as amended), Dudgeon Offshore Wind Farm. DECC.                                                       |
| ECON, 2011a. Collision Risk Modelling of Sandwich tern <i>Sterna sandvicensis</i> in relation to Race Bank & Docking Shoal Offshore Wind Farms.                                                                                                                                                              |
| ECON, 2011b. Dudgeon Offshore Wind Farm: Updated Collision Risk Modelling of Sandwich tern <i>Sterna sandvicensis</i> .                                                                                                                                                                                      |
| Edwards, E.W.J., 2015. The breeding season distribution, foraging trip characteristics and habitat preference of northern fulmars, <i>Fulmarus glacialis</i> (Doctor of Philosophy). University of St. Andrews.                                                                                              |
| Elston, D.A., Sales, D.I., Gill, J.P., 2016. Analysis of ornithological data for Greater Gabbard Offshore Wind Farm to August 2015 (Report for Greater Gabbard Offshore Winds Limited).                                                                                                                      |
| Everaert, J., Stienen, E., 2007. Impact of wind turbines on birds in Zeebrugge (Belgium) Significant effect on breeding tern colony due to collisions. Biodiversity and Conservation 16, 3345–3359. <a href="https://doi.org/10.1007/s10531-006-9082-1">https://doi.org/10.1007/s10531-006-9082-1</a>        |
| Fijn, R., Wolf, P., Courtens, W., Verstraete, H., Stienen, E., Iliszko, L., Poot, M., 2014. Post-breeding prospecting trips of adult Sandwich Terns <i>Thalasseus sandvicensis</i> . Bird Study 1–6. <a href="https://doi.org/10.1080/00063657.2014.950942">https://doi.org/10.1080/00063657.2014.950942</a> |

Fijn, R.C., Collier, M.P., 2020. Flight speeds of Sandwich terns off the Norfolk Coast (Internal document for Equinor). Bureau Waardenburg bv.

Fijn, R.C., Gyimesi, A., 2018. Behaviour related flight speeds of Sandwich Terns and their implications for wind farm collision rate modelling and impact assessment. *Environmental Impact Assessment Review* 71, 12–16. <https://doi.org/10.1016/j.eiar.2018.03.007>

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

Furness, R.W., Garthe, S., Trinder, M., Matthiopoulos, J., Wanless, S., Jeglinski, J., 2018. Nocturnal flight activity of northern gannets *Morus bassanus* and implications for modelling collision risk at offshore wind farms. *Environmental Impact Assessment Review* 73, 1–6. <https://doi.org/10.1016/j.eiar.2018.06.006>

Garthe, S., Grémillet, D., Furness, R.W., 1999. At-sea-activity and foraging efficiency in chick-rearing northern gannets *Sula bassana*: A case study in Shetland. *Marine Ecology Progress Series* 185, 93–99. <https://doi.org/10.3354/meps185093>

Gill, P., Elston, D., Grant, M., Sales, D., Clough, R., McMyn, I., 2018. Operational and Construction Monitoring and Analysis of Nine Years of Ornithological Data at Greater Gabbard Offshore Wind Farm.

Green, R., Thaxter, C.B., Collier, M.P., Burton, N.H.K., Taylor, R., Bowgen, K., Cook, A.S.C.P., Fijn, R.C., 2019. Tracking breeding Sandwich terns on the North Norfolk Coast: Results report 2019 (No. 19–193). Bureau Waardenburg bv.

Harwood, A.J.P., Perrow, M.R., Berridge, R.J., Tomlinson, M.L., 2018. Ornithological monitoring during the construction and operation of Sheringham Shoal Offshore Wind Farm: February 2009 – February 2016 inclusive. ECON Ecological Consultancy Ltd.

Hi Def Aerial Surveying, 2017. Lincs Wind Farm: Third annual post-construction aerial ornithological monitoring report.

Horswill, C., Robinson, R.A., 2015. Review of seabird demographic rates and density dependence (JNCC Report No. 552). JNCC, Peterborough.

Jitlal, M., Burthe, S., Freeman, S., Daunt, F., 2017. Testing and Validating Metrics of Change Produced by Population Viability Analysis (PVA) (Vol. 8 No. 23), *Scottish Marine and Freshwater Science*.

JNCC, 2020. Seabird Monitoring Programme Online Database (Online Database). JNCC.

Johnston, A., Cook, A.S.C.P., Wright, L.J., Humphreys, E.M., Burton, N.H.K., 2014. Modelling flight heights of marine birds to more accurately assess collision risk with offshore wind turbines. *Journal of Applied Ecology* 51, 31–41. <https://doi.org/10.1111/1365-2664.12191>

Lande, R., Engen, S., Saether, B., 2003. *Stochastic population dynamics in ecology and conservation*. Oxford University Press.

Langston, R., Teuten, E., Butler, A., 2013. Foraging ranges of northern gannets *Morus bassanus* in relation to proposed offshore wind farms in the UK: 2010-2012 (Report to DECC). RSPB.

Lawson, J., Kober, K., Win, I., Allcock, Z., Black, J., Reid, J.B., Way, L., O'Brien, S.H., 2016. An assessment of the numbers and distributions of wintering red-throated diver, little gull and common scoter in the Greater Wash (JNCC Report No. 574). JNCC, Peterborough.

Lloyd, C.S., Tasker, M.L., Partridge, K., 2001. The Status of Seabirds in Britain and Ireland. Poyser, London.

Mackenzie, A., 2011. Population Viability Analysis of the North Norfolk Sandwich tern (*Sterna sandvicensis*) Population.

Macarthur Green, 2019. Norfolk Boreas Offshore Wind Farm Offshore Ornithology Assessment Update: Deadline 2 (No. ExA; AS-1.D2.V1).

Miller, J.A.O., Furness, R.W., Trinder, M., Matthiopoulos, J., 2019. The sensitivity of seabird populations to density-dependence, environmental stochasticity and anthropogenic mortality. *Journal of Applied Ecology* 0. <https://doi.org/10.1111/1365-2664.13448>

Natural England, 2018. European Site Citation and Conservation Objectives for Flamborough and Filey Coast SPA (UK9006101).

NIRAS Consulting, Macarthur Green, 2018. Hornsea Project Three Offshore Wind Farm: Appendix 9 to Deadline I submission – Population Viability Analysis.

Perrow, M., Harwood, A., Berridge, R., Skeate, E., 2017. The foraging ecology of Sandwich terns in north Norfolk. *British Birds* 110, 257–277.

Rehfisch, M., Barrett, Z., Brown, L., Buisson, R., Perez-Dominguez, R., Clough, S., 2014. Assessing Northern Gannet Avoidance of Offshore Wind Farms (Report on behalf of East Anglia Offshore Wind Ltd). APEM Ltd.

Robinson, R.A., 2010. Short communication: Estimating age-specific survival rates from historical ringing data. *Ibis* 152, 651–653. <https://doi.org/10.1111/j.1474-919X.2010.01032.x>

Skov, H., Heinänen, S., Norman, T., Ward, R.M., Méndez-Roldán, R.S., Ellis, I., 2018. ORJIP Bird Collision and Avoidance Study. Final report – April 2018. The Carbon Trust.

Spencer, S.M., 2012. Diving Behavior and Identification of Sex of Breeding Atlantic Puffins (*Fratercula arctica*), and Nest-Site Characteristics of Alcids on Petit Manan Island, Maine (Master of Science). University of Massachusetts Amherst.

Stienen, E., Waeyenberge, V., Kuijken, E., Seys, J., 2007. Trapped within the corridor of the Southern North Sea: the potential impact of offshore wind farms on seabirds, in: De Lucas, M., Janss, G., Ferrer, M. (Eds.), *Birds and Wind Farms*. Quercus, Madrid.

Stienen, E.W.M., 2006. Living with gulls: Trading off food and predation in the Sandwich Tern *Sterna sandvicensis*. Rijksuniversiteit Groningen.

Stienen, E.W.M., Brenninkmeijer, A., 2006. Effect of brood size and hatching sequence on pre fledging mortality of Sandwich terns. *Journal of ornithology* 147, 520–530. <https://doi.org/10.1007/s10336-006-0075-3>

Stienen, E.W.M., Van Beers, P.W.M., Brenninkmeijer, A., Habraken, J.M.P.M., Raaijmakers, M.H.J.E., Van Tienen, P.G.M., 2000. Reflections of a specialist: patterns in food provisioning and foraging conditions in Sandwich Terns *Sterna sandvicensis*. *Ardea -Wageningen-* 88, 33–49.

Stroud, D.A., Bainbridge, I.P., Maddock, A., Anthony, S., Baker, H., Buxton, N., Chambers, D., Enlander, I., Hearn, R.D., Jennings, K.R., Mavor, R., Whitehead, S., Wilson, J.D., 2016. The status of UK SPAs in the 2000s: the Third Network Review. JNCC, Peterborough.

Thaxter, C.B., Ross-Smith, V.H., Bouten, W., Clark, N.A., Conway, G.J., Rehfish, M.M., Burton, N.H.K., 2015. Seabird–wind farm interactions during the breeding season vary within and between years: A case study of lesser black-backed gull *Larus fuscus* in the UK. *Biological Conservation* 186, 347–358. <https://doi.org/10.1016/j.biocon.2015.03.027>

Thaxter, C.B., Wanless, S., Daunt, F., Harris, M.P., Benvenuti, S., Watanuki, Y., Grémillet, D., Hamer, K.C., 2010. Influence of wing loading on the trade-off between pursuit-diving and flight in common guillemots and razorbills. *J. Exp. Biol.* 213, 1018. <https://doi.org/10.1242/jeb.037390>

UK SNCBs, 2014. Joint Response from the Statutory Nature Conservation Bodies to the Marine Scotland Science Avoidance Rate Review.

Vandenabeele, S.P., Shepard, E.L., Grogan, A., Wilson, R.P., 2012. When three per cent may not be three per cent; device-equipped seabirds experience variable flight constraints. *Marine Biology* 159, 1–14. <https://doi.org/10.1007/s00227-011-1784-6>

Waggitt, J.J., Evans, P.G.H., Andrade, J., Banks, A.N., Boisseau, O., Bolton, M., Bradbury, G., Brereton, T., Camphuysen, C.J., Durinck, J., Felce, T., Fijn, R.C., Garcia-Baron, I., Garthe, S., Geelhoed, S.C.V., Gilles, A., Goodall, M., Haelters, J., Hamilton, S., Hartny-Mills, L., Hodgins, N., James, K., Jessopp, M., Kavanagh, A.S., Leopold, M., Lohrengel, K., Louzao, M., Markones, N., Martínez-Cedeira, J., Ó Cadhla, O., Perry, S.L., Pierce, G.J., Ridoux, V., Robinson, K.P., Santos, M.B., Saavedra, C., Skov, H., Stienen, E.W.M., Sveegaard, S., Thompson, P., Vanermen, N., Wall, D., Webb, A., Wilson, J., Wanless, S., Hiddink, J.G., 2019. Distribution maps of cetacean and seabird populations in the North-East Atlantic. *Journal of Applied Ecology* n/a. <https://doi.org/10.1111/1365-2664.13525>

Wakefield, E.D., Bodey, T.W., Bearhop, S., Blackburn, J., Colhoun, K., Davies, R., Dwyer, R.G., Green, J.A., Grémillet, D., Jackson, A.L., Jessopp, M.J., Kane, A., Langston, R.H.W., Lescroël, A., Murray, S., Le Nuz, M., Patrick, S.C., Péron, C., Soanes, L.M., Wanless, S., Votier, S.C., Hamer, K.C., 2013. Space Partitioning Without Territoriality in Gannets. *Science* 341, 68. <https://doi.org/10.1126/science.1236077>

Wakefield, E.D., Owen, E., Baer, J., Carroll, M.J., Daunt, F., Dodd, S.G., Green, J.A., Guilford, T., Mavor, R.A., Miller, P.I., Newell, M.A., Newton, S.F., Robertson, G.S., Shoji, A., Soanes, L.M., Votier, S.C., Wanless, S., Bolton, M., 2017. Breeding density, fine-scale tracking, and large-scale modeling reveal the regional distribution of four seabird species. *Ecological Applications* 27, 2074–2091. <https://doi.org/10.1002/eap.1591>

Wilson, L.J., Black, J., Brewer, M.J., Potts, J.M., Kuepfer, A., Win, I., Kober, K., Bingham, C., Mavor, R., Webb, A., 2014. Quantifying usage of the marine environment by terns *Sterna* sp. around their breeding colony SPAs (JNCC Report No. 500). JNCC.

Wischnewski, S., Fox, D.S., McCluskie, A., Wright, L.J., 2017. Seabird tracking at the Flamborough & Filey Coast: Assessing the impacts of offshore wind turbines (Pilot study 2017 Fieldwork report & recommendations: Report to Orsted). RSPB Centre for Conservation Science, Sandy.

Woodward, I., Thaxter, C.B., Owen, E., Cook, A.S.C.P., 2019. Desk-based revision of seabird foraging ranges used for HRA screening.

### 13.1.6 ANNEX 1: Seabird Density and Abundance by Survey

#### 13.1.6.1 DEP

Table 13-1: Arctic skua density and abundance estimates at DEP by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-2: Arctic tern density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.94    | 0.00    | 2.71    | 97        | 0       | 281     |
| 2019-M05-S01 | 0.58    | 0.00    | 1.17    | 60        | 0       | 121     |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-3: Arctic tern density and abundance estimates at DEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.47    | 0.00    | 1.31    | 49        | 0       | 136     |
| 2019-M05-S01 | 0.58    | 0.00    | 1.15    | 60        | 0       | 119     |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-4: Arctic tern density and abundance estimates at DEP by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-5: Black-headed gull density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.20    | 0.00    | 0.57    | 21        | 0       | 59      |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.19    | 0.00    | 0.42    | 20        | 0       | 44      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-6: Black-headed gull density and abundance estimates at DEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.30    | 0.00    | 0.84    | 31        | 0       | 87      |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.20    | 0.00    | 0.44    | 21        | 0       | 46      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-7: Black-headed gull density and abundance estimates at DEP by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-8: Common gull density and abundance estimates at DEP by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.27    | 0.00    | 0.68    | 28        | 0       | 71      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.19    | 0.00    | 0.56    | 20        | 0       | 58      |

*Table 13-9: Common gull density and abundance estimates at DEP by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.26    | 0.00    | 0.69    | 27        | 0       | 72      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-10: Common gull density and abundance estimates at DEP by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.18    | 0.00    | 0.53    | 19        | 0       | 55      |

*Table 13-11: Common scoter density and abundance estimates at DEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-12: Common tern density and abundance estimates at DEP by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.20    | 0.00    | 0.59    | 21        | 0       | 61      |
| 2019-M04-S02 | 1.23    | 0.00    | 3.59    | 128       | 0       | 372     |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0.19    | 0.00    | 0.52    | 20        | 0       | 54      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.98    | 0.00    | 2.98    | 102       | 0       | 309     |
| 2019-M10-S01 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-13: Common tern density and abundance estimates at DEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.23    | 0.00    | 0.66    | 24        | 0       | 68      |
| 2019-M04-S02 | 0.66    | 0.00    | 1.79    | 68        | 0       | 186     |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0.33    | 0.00    | 0.77    | 34        | 0       | 80      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 1.75    | 0.00    | 5.15    | 181       | 0       | 534     |
| 2019-M10-S01 | 0.08    | 0.00    | 0.27    | 8         | 0       | 28      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-14: Common tern density and abundance estimates at DEP by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-15: Cormorant density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0.18    | 0.00    | 0.53    | 19        | 0       | 55      |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-16: Cormorant density and abundance estimates at DEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0.18    | 0.00    | 0.53    | 19        | 0       | 55      |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-17: Cormorant density and abundance estimates at DEP by survey – birds on sea**

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-18 Fulmar density and abundance estimates at DEP by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0.08    | 0.00    | 0.25    | 8         | 0       | 26      |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0.09    | 0.00    | 0.26    | 10        | 0       | 27      |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-19: Fulmar density and abundance estimates at DEP by survey – birds in flight**

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-20: Fulmar density and abundance estimates at DEP by survey – birds on sea**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0.08    | 0.00    | 0.25    | 8         | 0       | 26      |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0.09    | 0.00    | 0.26    | 10        | 0       | 27      |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-21: Gannet density and abundance estimates at DEP by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0.18    | 0.00    | 0.52    | 19        | 0       | 54      |
| 2018-M07-S01 | 0.09    | 0.00    | 0.27    | 10        | 0       | 28      |
| 2018-M08-S01 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2018-M09-S01 | 0.34    | 0.00    | 0.76    | 35        | 0       | 79      |
| 2018-M10-S01 | 0.27    | 0.09    | 0.44    | 28        | 9       | 46      |
| 2018-M11-S01 | 1.00    | 0.44    | 1.65    | 104       | 46      | 171     |
| 2018-M12-S01 | 0.18    | 0.00    | 0.41    | 19        | 0       | 43      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M03-S01 | 0.18    | 0.00    | 0.52    | 19        | 0       | 54      |
| 2019-M04-S01 | 0.54    | 0.10    | 1.04    | 56        | 10      | 108     |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0.09    | 0.00    | 0.28    | 9         | 0       | 29      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0.18    | 0.00    | 0.64    | 19        | 0       | 66      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2019-M08-S01 | 0.36    | 0.00    | 0.80    | 38        | 0       | 83      |
| 2019-M08-S02 | 0.18    | 0.00    | 0.53    | 19        | 0       | 55      |
| 2019-M09-S01 | 1.76    | 0.00    | 4.23    | 183       | 0       | 439     |
| 2019-M10-S01 | 1.08    | 0.25    | 2.16    | 112       | 26      | 224     |
| 2019-M11-S01 | 1.35    | 0.27    | 3.06    | 140       | 28      | 317     |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.36    | 0.00    | 0.77    | 37        | 0       | 80      |

Table 13-22: Gannet density and abundance estimates at DEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0.17    | 0.00    | 0.63    | 18        | 0       | 65      |
| 2018-M10-S01 | 0.17    | 0.00    | 0.36    | 18        | 0       | 37      |
| 2018-M11-S01 | 0.82    | 0.34    | 1.35    | 86        | 35      | 140     |
| 2018-M12-S01 | 0.18    | 0.00    | 0.41    | 19        | 0       | 43      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0.30    | 0.00    | 0.83    | 31        | 0       | 86      |
| 2019-M04-S01 | 0.36    | 0.00    | 0.72    | 37        | 0       | 75      |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0.10    | 0.00    | 0.28    | 10        | 0       | 29      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0.20    | 0.00    | 0.65    | 21        | 0       | 67      |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M09-S01 | 0.20    | 0.00    | 0.49    | 21        | 0       | 51      |
| 2019-M10-S01 | 0.82    | 0.09    | 1.96    | 85        | 9       | 203     |
| 2019-M11-S01 | 0.47    | 0.00    | 1.05    | 49        | 0       | 109     |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.36    | 0.00    | 0.78    | 37        | 0       | 81      |

Table 13-23: Gannet density and abundance estimates at DEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0.18    | 0.00    | 0.53    | 19        | 0       | 55      |
| 2018-M07-S01 | 0.09    | 0.00    | 0.27    | 10        | 0       | 28      |
| 2018-M08-S01 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2018-M09-S01 | 0.17    | 0.00    | 0.41    | 18        | 0       | 43      |
| 2018-M10-S01 | 0.09    | 0.00    | 0.26    | 9         | 0       | 27      |
| 2018-M11-S01 | 0.18    | 0.00    | 0.45    | 19        | 0       | 47      |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.18    | 0.00    | 0.40    | 19        | 0       | 42      |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0.09    | 0.00    | 0.26    | 10        | 0       | 27      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2019-M08-S01 | 0.18    | 0.00    | 0.42    | 19        | 0       | 44      |
| 2019-M08-S02 | 0.18    | 0.00    | 0.53    | 19        | 0       | 55      |
| 2019-M09-S01 | 1.55    | 0.00    | 3.89    | 161       | 0       | 403     |
| 2019-M10-S01 | 0.27    | 0.00    | 0.80    | 28        | 0       | 83      |
| 2019-M11-S01 | 1.09    | 0.17    | 2.57    | 113       | 18      | 267     |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-24: Golden plover density and abundance estimates at DEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-25: Great black-backed gull density and abundance estimates at DEP by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.09    | 0.00    | 0.31    | 9         | 0       | 32      |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.09    | 0.00    | 0.26    | 9         | 0       | 27      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0.13    | 0.00    | 0.37    | 13        | 0       | 38      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.09    | 0.00    | 0.26    | 9         | 0       | 27      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.41    | 0.00    | 1.21    | 43        | 0       | 125     |
| 2019-M10-S01 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.18    | 0.00    | 0.43    | 19        | 0       | 45      |

*Table 13-26: Great black-backed gull density and abundance estimates at DEP by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.09    | 0.00    | 0.27    | 10        | 0       | 28      |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.09    | 0.00    | 0.26    | 10        | 0       | 27      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0.09    | 0.00    | 0.27    | 10        | 0       | 28      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.09    | 0.00    | 0.26    | 10        | 0       | 27      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.09    | 0.00    | 0.26    | 9         | 0       | 27      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-27: Great black-backed gull density and abundance estimates at DEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.41    | 0.00    | 1.21    | 43        | 0       | 125     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.18    | 0.00    | 0.43    | 19        | 0       | 45      |

Table 13-28: Great crested grebe density and abundance estimates at DEP by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-29: Great skua density and abundance estimates at DEP by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-30: Guillemot density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 2.88    | 1.21    | 4.74    | 299       | 125     | 492     |
| 2018-M06-S01 | 0.98    | 0.18    | 2.14    | 102       | 19      | 222     |
| 2018-M07-S01 | 1.41    | 0.44    | 2.44    | 147       | 46      | 253     |
| 2018-M08-S01 | 20.50   | 12.15   | 28.86   | 2126      | 1260    | 2993    |
| 2018-M09-S01 | 2.79    | 1.48    | 4.17    | 289       | 154     | 432     |
| 2018-M10-S01 | 11.62   | 4.45    | 21.80   | 1205      | 462     | 2261    |
| 2018-M11-S01 | 6.24    | 4.33    | 8.19    | 647       | 449     | 849     |
| 2018-M12-S01 | 3.39    | 1.38    | 5.84    | 352       | 143     | 606     |
| 2019-M01-S01 | 2.07    | 1.05    | 3.34    | 215       | 109     | 346     |
| 2019-M02-S01 | 2.20    | 1.03    | 3.61    | 228       | 107     | 374     |
| 2019-M03-S01 | 0.09    | 0.00    | 0.27    | 10        | 0       | 28      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S01 | 1.76    | 0.84    | 2.66    | 183       | 87      | 276     |
| 2019-M04-S02 | 2.13    | 0.86    | 4.10    | 221       | 89      | 425     |
| 2019-M05-S01 | 3.03    | 2.21    | 4.05    | 314       | 229     | 420     |
| 2019-M05-S02 | 0.18    | 0.00    | 0.37    | 19        | 0       | 38      |
| 2019-M06-S01 | 0.80    | 0.00    | 1.85    | 83        | 0       | 192     |
| 2019-M06-S02 | 0.79    | 0.49    | 1.08    | 82        | 51      | 112     |
| 2019-M07-S01 | 2.25    | 0.77    | 4.51    | 233       | 80      | 468     |
| 2019-M07-S02 | 2.21    | 0.00    | 5.98    | 229       | 0       | 620     |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 1.45    | 0.41    | 2.84    | 150       | 43      | 295     |
| 2019-M09-S01 | 57.27   | 12.30   | 117.78  | 5939      | 1276    | 12215   |
| 2019-M10-S01 | 7.11    | 4.22    | 10.11   | 737       | 438     | 1049    |
| 2019-M11-S01 | 2.62    | 1.05    | 4.81    | 272       | 109     | 499     |
| 2019-M12-S01 | 0.95    | 0.26    | 1.86    | 99        | 27      | 193     |
| 2020-M01-S01 | 0.90    | 0.41    | 1.46    | 93        | 43      | 151     |
| 2020-M02-S01 | 1.10    | 0.35    | 1.89    | 114       | 36      | 196     |
| 2020-M03-S01 | 3.76    | 2.07    | 5.58    | 390       | 215     | 579     |
| 2020-M04-S01 | 21.43   | 7.17    | 45.12   | 2223      | 744     | 4679    |

Table 13-31: Guillemot density and abundance estimates at DEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0.09    | 0.00    | 0.26    | 10        | 0       | 27      |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0.09    | 0.00    | 0.28    | 10        | 0       | 29      |
| 2018-M12-S01 | 0.09    | 0.00    | 0.27    | 10        | 0       | 28      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0.09    | 0.00    | 0.28    | 9         | 0       | 29      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.18    | 0.00    | 0.53    | 19        | 0       | 55      |
| 2020-M04-S01 | 1.79    | 0.95    | 2.62    | 186       | 99      | 272     |

Table 13-32: Guillemot density and abundance estimates at DEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 2.91    | 1.23    | 4.75    | 302       | 128     | 493     |
| 2018-M06-S01 | 0.97    | 0.18    | 2.18    | 101       | 19      | 226     |
| 2018-M07-S01 | 1.31    | 0.44    | 2.23    | 137       | 46      | 231     |
| 2018-M08-S01 | 20.50   | 12.16   | 28.85   | 2126      | 1261    | 2992    |
| 2018-M09-S01 | 2.79    | 1.48    | 4.16    | 289       | 154     | 431     |
| 2018-M10-S01 | 11.66   | 4.35    | 21.98   | 1209      | 451     | 2280    |
| 2018-M11-S01 | 6.12    | 4.21    | 8.06    | 635       | 437     | 836     |
| 2018-M12-S01 | 3.28    | 1.22    | 5.77    | 340       | 127     | 598     |
| 2019-M01-S01 | 2.07    | 1.05    | 3.36    | 215       | 109     | 348     |
| 2019-M02-S01 | 2.20    | 1.07    | 3.64    | 228       | 111     | 377     |
| 2019-M03-S01 | 0.09    | 0.00    | 0.27    | 10        | 0       | 28      |
| 2019-M04-S01 | 1.76    | 0.83    | 2.63    | 183       | 86      | 273     |
| 2019-M04-S02 | 2.12    | 0.85    | 3.99    | 220       | 88      | 414     |
| 2019-M05-S01 | 2.95    | 2.20    | 3.83    | 306       | 228     | 397     |
| 2019-M05-S02 | 0.18    | 0.00    | 0.40    | 19        | 0       | 41      |
| 2019-M06-S01 | 0.71    | 0.16    | 1.28    | 74        | 17      | 133     |
| 2019-M06-S02 | 0.80    | 0.50    | 1.08    | 84        | 52      | 112     |
| 2019-M07-S01 | 2.24    | 0.75    | 4.52    | 232       | 78      | 469     |
| 2019-M07-S02 | 2.16    | 0.00    | 5.80    | 224       | 0       | 602     |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 1.43    | 0.42    | 2.80    | 148       | 44      | 290     |
| 2019-M09-S01 | 57.37   | 12.04   | 118.53  | 5950      | 1249    | 12293   |
| 2019-M10-S01 | 7.04    | 4.18    | 10.02   | 730       | 434     | 1039    |
| 2019-M11-S01 | 2.65    | 1.04    | 4.91    | 275       | 108     | 509     |
| 2019-M12-S01 | 0.96    | 0.26    | 1.87    | 100       | 27      | 194     |
| 2020-M01-S01 | 0.89    | 0.40    | 1.45    | 93        | 42      | 150     |
| 2020-M02-S01 | 1.30    | 0.36    | 2.09    | 135       | 37      | 217     |
| 2020-M03-S01 | 3.59    | 2.02    | 5.37    | 372       | 209     | 557     |
| 2020-M04-S01 | 18.01   | 5.31    | 39.89   | 1868      | 551     | 4137    |

**Table 13-33: Herring gull density and abundance estimates at DEP by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.10    | 0.00    | 0.31    | 10        | 0       | 32      |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |

**Table 13-34: Herring gull density and abundance estimates at DEP by survey – birds in flight**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |

Table 13-35: Herring gull density and abundance estimates at DEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.10    | 0.00    | 0.31    | 10        | 0       | 32      |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-36: Kestrel density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.09    | 0.00    | 0.26    | 9         | 0       | 27      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |



**Table 13-37: Kestrel density and abundance estimates at DEP by survey – birds in flight**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.09    | 0.00    | 0.26    | 9         | 0       | 27      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-38: Kestrel density and abundance estimates at DEP by survey – birds on sea**

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-39: Kittiwake density and abundance estimates at DEP by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 2.42    | 1.18    | 3.94    | 251       | 122     | 409     |
| 2018-M06-S01 | 1.24    | 0.33    | 2.41    | 129       | 34      | 250     |
| 2018-M07-S01 | 0.26    | 0.00    | 0.64    | 28        | 0       | 66      |
| 2018-M08-S01 | 1.81    | 0.72    | 3.05    | 188       | 75      | 316     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M09-S01 | 0.43    | 0.00    | 0.97    | 45        | 0       | 101     |
| 2018-M10-S01 | 0.43    | 0.09    | 0.92    | 45        | 9       | 95      |
| 2018-M11-S01 | 0.28    | 0.00    | 0.67    | 29        | 0       | 69      |
| 2018-M12-S01 | 0.35    | 0.09    | 0.67    | 36        | 9       | 69      |
| 2019-M01-S01 | 0.18    | 0.00    | 0.41    | 19        | 0       | 43      |
| 2019-M02-S01 | 0.39    | 0.09    | 0.75    | 40        | 9       | 78      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 2.18    | 0.94    | 3.61    | 226       | 97      | 374     |
| 2019-M04-S02 | 1.24    | 0.42    | 2.17    | 129       | 44      | 225     |
| 2019-M05-S01 | 0.94    | 0.00    | 2.26    | 97        | 0       | 234     |
| 2019-M05-S02 | 0.18    | 0.00    | 0.43    | 19        | 0       | 45      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0.35    | 0.00    | 1.01    | 36        | 0       | 105     |
| 2019-M07-S01 | 0.17    | 0.00    | 0.39    | 18        | 0       | 40      |
| 2019-M07-S02 | 0.67    | 0.00    | 1.62    | 69        | 0       | 168     |
| 2019-M08-S01 | 0.09    | 0.00    | 0.27    | 10        | 0       | 28      |
| 2019-M08-S02 | 3.65    | 0.00    | 10.42   | 379       | 0       | 1081    |
| 2019-M09-S01 | 14.90   | 1.21    | 38.44   | 1545      | 125     | 3987    |
| 2019-M10-S01 | 0.30    | 0.00    | 0.66    | 31        | 0       | 68      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.36    | 0.09    | 0.71    | 37        | 9       | 74      |
| 2020-M01-S01 | 0.36    | 0.09    | 0.68    | 37        | 9       | 71      |
| 2020-M02-S01 | 0.45    | 0.00    | 0.99    | 47        | 0       | 103     |
| 2020-M03-S01 | 0.18    | 0.00    | 0.43    | 19        | 0       | 45      |
| 2020-M04-S01 | 8.66    | 3.17    | 16.56   | 898       | 329     | 1717    |

Table 13-40: Kittiwake density and abundance estimates at DEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.86    | 0.25    | 1.88    | 89        | 26      | 195     |
| 2018-M06-S01 | 0.30    | 0.00    | 1.04    | 32        | 0       | 108     |
| 2018-M07-S01 | 0.27    | 0.00    | 0.67    | 28        | 0       | 70      |
| 2018-M08-S01 | 1.00    | 0.43    | 1.58    | 104       | 45      | 164     |
| 2018-M09-S01 | 0.34    | 0.00    | 0.77    | 36        | 0       | 80      |
| 2018-M10-S01 | 0.44    | 0.09    | 0.88    | 46        | 9       | 91      |
| 2018-M11-S01 | 0.09    | 0.00    | 0.27    | 10        | 0       | 28      |
| 2018-M12-S01 | 0.18    | 0.00    | 0.37    | 19        | 0       | 38      |
| 2019-M01-S01 | 0.15    | 0.00    | 0.44    | 16        | 0       | 46      |
| 2019-M02-S01 | 0.27    | 0.09    | 0.48    | 28        | 9       | 50      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 1.37    | 0.35    | 2.52    | 142       | 36      | 261     |
| 2019-M04-S02 | 0.96    | 0.31    | 1.78    | 100       | 32      | 185     |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.09    | 0.00    | 0.32    | 9         | 0       | 33      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0.09    | 0.00    | 0.27    | 10        | 0       | 28      |
| 2019-M07-S01 | 0.18    | 0.00    | 0.40    | 19        | 0       | 41      |
| 2019-M07-S02 | 0.09    | 0.00    | 0.27    | 10        | 0       | 28      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.15    | 0.00    | 0.42    | 16        | 0       | 44      |
| 2019-M09-S01 | 1.53    | 0.30    | 3.35    | 159       | 31      | 347     |
| 2019-M10-S01 | 0.29    | 0.00    | 0.65    | 30        | 0       | 67      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.27    | 0.09    | 0.50    | 28        | 9       | 52      |
| 2020-M01-S01 | 0.37    | 0.09    | 0.69    | 38        | 9       | 72      |
| 2020-M02-S01 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2020-M03-S01 | 0.18    | 0.00    | 0.43    | 19        | 0       | 45      |
| 2020-M04-S01 | 3.41    | 2.05    | 5.18    | 353       | 213     | 537     |

Table 13-41: Kittiwake density and abundance estimates at DEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.51    | 0.65    | 2.55    | 157       | 67      | 264     |
| 2018-M06-S01 | 1.08    | 0.18    | 2.24    | 112       | 19      | 232     |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0.82    | 0.27    | 1.46    | 85        | 28      | 151     |
| 2018-M09-S01 | 0.08    | 0.00    | 0.26    | 8         | 0       | 27      |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0.18    | 0.00    | 0.43    | 19        | 0       | 45      |
| 2018-M12-S01 | 0.19    | 0.00    | 0.54    | 20        | 0       | 56      |
| 2019-M01-S01 | 0.09    | 0.00    | 0.26    | 9         | 0       | 27      |
| 2019-M02-S01 | 0.11    | 0.00    | 0.29    | 11        | 0       | 30      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.82    | 0.23    | 1.55    | 85        | 24      | 161     |
| 2019-M04-S02 | 0.27    | 0.00    | 0.69    | 28        | 0       | 72      |
| 2019-M05-S01 | 0.83    | 0.00    | 1.96    | 87        | 0       | 203     |
| 2019-M05-S02 | 0.09    | 0.00    | 0.27    | 10        | 0       | 28      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0.27    | 0.00    | 0.80    | 28        | 0       | 83      |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.57    | 0.00    | 1.46    | 59        | 0       | 151     |
| 2019-M08-S01 | 0.09    | 0.00    | 0.27    | 10        | 0       | 28      |
| 2019-M08-S02 | 3.64    | 0.00    | 10.45   | 378       | 0       | 1084    |
| 2019-M09-S01 | 13.36   | 0.61    | 36.42   | 1386      | 63      | 3777    |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M02-S01 | 0.36    | 0.00    | 0.93    | 37        | 0       | 96      |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 4.97    | 0.88    | 11.77   | 515       | 91      | 1221    |

Table13-42: Knot density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 3.41    | 0.00    | 10.08   | 354       | 0       | 1045    |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-43: Knot density and abundance estimates at DEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 3.53    | 0.00    | 10.12   | 366       | 0       | 1050    |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-44: Knot density and abundance estimates at DEP by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-45: Lapwing density and abundance estimates at DEP by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-46: Lesser black-backed gull density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0.26    | 0.00    | 0.64    | 27        | 0       | 66      |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.09    | 0.00    | 0.26    | 9         | 0       | 27      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-47: Lesser black-backed gull density and abundance estimates at DEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0.09    | 0.00    | 0.26    | 10        | 0       | 27      |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.09    | 0.00    | 0.27    | 10        | 0       | 28      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.09    | 0.00    | 0.26    | 10        | 0       | 27      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-48: Lesser black-backed gull density and abundance estimates at DEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0.18    | 0.00    | 0.41    | 19        | 0       | 43      |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-49: Little gull density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 2.70    | 1.25    | 4.72    | 280       | 130     | 489     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-50: Little gull density and abundance estimates at DEP by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 2.29    | 0.92    | 4.28    | 237       | 95      | 444     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-51: Little gull density and abundance estimates at DEP by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.38    | 0.09    | 0.72    | 39        | 9       | 75      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-52: Long-tailed duck density and abundance estimates at DEP by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-53: Manx shearwater density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.62    | 0.00    | 1.76    | 64        | 0       | 183     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-54: Manx shearwater density and abundance estimates at DEP by survey – birds in flight

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-55: Manx shearwater density and abundance estimates at DEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.60    | 0.00    | 1.76    | 62        | 0       | 183     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-56: Oystercatcher density and abundance estimates at DEP by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-57: Pomarine skua density and abundance estimates at DEP by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-58: Puffin density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.11    | 0.00    | 0.28    | 11        | 0       | 29      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.09    | 0.00    | 0.29    | 9         | 0       | 30      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-59: Puffin density and abundance estimates at DEP by survey – birds in flight

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-60: Puffin density and abundance estimates at DEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.11    | 0.00    | 0.28    | 11        | 0       | 29      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.11    | 0.00    | 0.29    | 11        | 0       | 30      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.09    | 0.00    | 0.26    | 9         | 0       | 27      |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-61: Razorbill density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 2.22    | 0.34    | 4.60    | 230       | 35      | 477     |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 2.96    | 1.28    | 4.54    | 307       | 133     | 471     |
| 2018-M11-S01 | 4.37    | 2.16    | 7.07    | 453       | 224     | 733     |
| 2018-M12-S01 | 1.17    | 0.18    | 2.40    | 121       | 19      | 249     |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 2.07    | 0.59    | 4.29    | 215       | 61      | 445     |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.68    | 0.24    | 1.25    | 71        | 25      | 130     |
| 2019-M04-S02 | 0.29    | 0.00    | 0.69    | 30        | 0       | 72      |
| 2019-M05-S01 | 0.37    | 0.09    | 0.71    | 38        | 9       | 74      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0.18    | 0.00    | 0.65    | 19        | 0       | 67      |
| 2019-M07-S01 | 0.12    | 0.00    | 0.35    | 12        | 0       | 36      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 12.00   | 1.79    | 27.93   | 1245      | 186     | 2897    |
| 2019-M10-S01 | 6.37    | 2.94    | 10.83   | 661       | 305     | 1123    |
| 2019-M11-S01 | 2.26    | 0.88    | 4.30    | 234       | 91      | 446     |
| 2019-M12-S01 | 1.80    | 0.43    | 3.82    | 187       | 45      | 396     |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.61    | 0.00    | 1.83    | 63        | 0       | 190     |
| 2020-M03-S01 | 0.19    | 0.00    | 0.57    | 20        | 0       | 59      |
| 2020-M04-S01 | 10.18   | 2.83    | 20.37   | 1056      | 294     | 2113    |



*Table 13-62: Razorbill density and abundance estimates at DEP by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.09    | 0.00    | 0.26    | 9         | 0       | 27      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.55    | 0.10    | 1.10    | 57        | 10      | 114     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.96    | 0.27    | 2.00    | 100       | 28      | 207     |

*Table 13-63: Razorbill density and abundance estimates at DEP by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 2.22    | 0.28    | 4.52    | 230       | 29      | 469     |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 2.96    | 1.25    | 4.54    | 307       | 130     | 471     |
| 2018-M11-S01 | 4.40    | 2.19    | 7.12    | 456       | 227     | 738     |
| 2018-M12-S01 | 1.16    | 0.18    | 2.37    | 120       | 19      | 246     |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M02-S01 | 2.08    | 0.62    | 4.28    | 216       | 64      | 444     |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.68    | 0.18    | 1.26    | 71        | 19      | 131     |
| 2019-M04-S02 | 0.20    | 0.00    | 0.47    | 21        | 0       | 49      |
| 2019-M05-S01 | 0.37    | 0.09    | 0.72    | 39        | 9       | 75      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0.18    | 0.00    | 0.54    | 19        | 0       | 56      |
| 2019-M07-S01 | 0.12    | 0.00    | 0.34    | 12        | 0       | 35      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 11.70   | 1.76    | 27.48   | 1213      | 183     | 2850    |
| 2019-M10-S01 | 5.83    | 2.62    | 10.38   | 605       | 272     | 1077    |
| 2019-M11-S01 | 2.26    | 0.85    | 4.25    | 234       | 88      | 441     |
| 2019-M12-S01 | 1.80    | 0.42    | 3.86    | 187       | 44      | 400     |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.71    | 0.00    | 2.03    | 74        | 0       | 211     |
| 2020-M03-S01 | 0.19    | 0.00    | 0.57    | 20        | 0       | 59      |
| 2020-M04-S01 | 8.32    | 1.98    | 17.53   | 863       | 205     | 1818    |

Table 13-64: Red-throated diver density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.10    | 0.00    | 0.26    | 10        | 0       | 27      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2019-M02-S01 | 0.09    | 0.00    | 0.26    | 9         | 0       | 27      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.18    | 0.00    | 0.40    | 19        | 0       | 41      |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.52    | 0.00    | 1.38    | 54        | 0       | 143     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0.20    | 0.00    | 0.57    | 21        | 0       | 59      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.19    | 0.00    | 0.58    | 20        | 0       | 60      |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-65: Red-throated diver density and abundance estimates at DEP by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.10    | 0.00    | 0.30    | 10        | 0       | 31      |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-66: Red-throated diver density and abundance estimates at DEP by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.10    | 0.00    | 0.26    | 10        | 0       | 27      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2019-M02-S01 | 0.09    | 0.00    | 0.26    | 9         | 0       | 27      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.18    | 0.00    | 0.40    | 19        | 0       | 41      |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.42    | 0.00    | 1.07    | 44        | 0       | 111     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0.19    | 0.00    | 0.57    | 20        | 0       | 59      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.09    | 0.00    | 0.27    | 9         | 0       | 28      |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-67: Sandwich tern density and abundance estimates at DEP by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.85    | 1.00    | 2.70    | 192       | 104     | 280     |
| 2018-M06-S01 | 0.18    | 0.00    | 0.42    | 19        | 0       | 44      |
| 2018-M07-S01 | 1.24    | 0.51    | 2.03    | 129       | 53      | 211     |
| 2018-M08-S01 | 0.36    | 0.00    | 1.06    | 37        | 0       | 110     |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.99    | 0.18    | 1.89    | 103       | 19      | 196     |
| 2019-M04-S02 | 1.59    | 0.17    | 3.97    | 165       | 18      | 412     |
| 2019-M05-S01 | 0.92    | 0.18    | 1.64    | 95        | 19      | 170     |
| 2019-M05-S02 | 0.73    | 0.18    | 1.44    | 76        | 19      | 149     |
| 2019-M06-S01 | 0.27    | 0.00    | 0.57    | 28        | 0       | 59      |
| 2019-M06-S02 | 0.45    | 0.00    | 1.12    | 47        | 0       | 116     |
| 2019-M07-S01 | 0.18    | 0.00    | 0.41    | 19        | 0       | 43      |
| 2019-M07-S02 | 0.46    | 0.00    | 1.01    | 48        | 0       | 105     |
| 2019-M08-S01 | 0.36    | 0.00    | 1.00    | 38        | 0       | 104     |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.87    | 0.00    | 2.55    | 90        | 0       | 264     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-68: Sandwich tern density and abundance estimates at DEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.85    | 0.97    | 2.67    | 192       | 101     | 277     |
| 2018-M06-S01 | 0.29    | 0.00    | 0.64    | 31        | 0       | 66      |
| 2018-M07-S01 | 1.23    | 0.46    | 2.03    | 128       | 48      | 211     |
| 2018-M08-S01 | 0.37    | 0.00    | 1.02    | 38        | 0       | 106     |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 1.09    | 0.17    | 2.00    | 113       | 18      | 207     |
| 2019-M04-S02 | 1.65    | 0.17    | 4.04    | 171       | 18      | 419     |
| 2019-M05-S01 | 0.82    | 0.25    | 1.54    | 85        | 26      | 160     |
| 2019-M05-S02 | 0.73    | 0.18    | 1.47    | 76        | 19      | 152     |
| 2019-M06-S01 | 0.27    | 0.00    | 0.54    | 28        | 0       | 56      |
| 2019-M06-S02 | 0.44    | 0.00    | 1.07    | 46        | 0       | 111     |
| 2019-M07-S01 | 0.18    | 0.00    | 0.41    | 19        | 0       | 43      |
| 2019-M07-S02 | 0.45    | 0.00    | 1.00    | 47        | 0       | 104     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S01 | 0.36    | 0.00    | 1.00    | 38        | 0       | 104     |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 1.18    | 0.00    | 3.38    | 122       | 0       | 351     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-69: Sandwich tern density and abundance estimates at DEP by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-70: Shag density and abundance estimates at DEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-71: Tufted duck density and abundance estimates at DEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-72: Woodpigeon density and abundance estimates at DEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

### 13.1.6.2 DEP + 2km Buffer

*Table 13-73: Arctic skua density and abundance estimates at DEP + 2km buffer by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-74: Arctic tern density and abundance estimates at DEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.53    | 0.00    | 1.25    | 152       | 0       | 361     |
| 2019-M05-S01 | 0.14    | 0.00    | 0.27    | 41        | 0       | 78      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-75: Arctic tern density and abundance estimates at DEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.22    | 0.00    | 0.59    | 64        | 0       | 169     |
| 2019-M05-S01 | 0.12    | 0.00    | 0.25    | 34        | 0       | 72      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-76: Arctic tern density and abundance estimates at DEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.70    | 0.00    | 1.76    | 203       | 0       | 507     |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-77: Black-headed gull density and abundance estimates at DEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 33      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.08    | 0.00    | 0.23    | 23        | 0       | 66      |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.15    | 0.03    | 0.30    | 44        | 10      | 87      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-78: Black-headed gull density and abundance estimates at DEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.09    | 0.00    | 0.28    | 27        | 0       | 80      |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.14    | 0.03    | 0.28    | 41        | 10      | 82      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-79: Black-headed gull density and abundance estimates at DEP + 2 km buffer by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-80: Common gull density and abundance estimates at DEP + 2 km buffer by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.11    | 0.00    | 0.28    | 32        | 0       | 81      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 32      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 33      |
| 2019-M05-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 33      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0.04    | 0.00    | 0.13    | 12        | 0       | 38      |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2020-M04-S01 | 0.09    | 0.00    | 0.27    | 26        | 0       | 79      |

**Table 13-81: Common gull density and abundance estimates at DEP + 2 km buffer by survey – birds in flight**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.11    | 0.00    | 0.28    | 32        | 0       | 81      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 31      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.03    | 0.00    | 0.11    | 10        | 0       | 31      |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-82: Common gull density and abundance estimates at DEP + 2 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 33      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0.06    | 0.00    | 0.17    | 18        | 0       | 50      |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.07    | 0.00    | 0.21    | 21        | 0       | 61      |

Table 13-83: Common scoter density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-84: Common tern density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.29    | 0.00    | 0.78    | 83        | 0       | 226     |
| 2019-M04-S02 | 0.66    | 0.00    | 1.62    | 190       | 0       | 468     |
| 2019-M05-S01 | 0.27    | 0.00    | 0.54    | 77        | 0       | 156     |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0.11    | 0.00    | 0.29    | 33        | 0       | 83      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.31    | 0.00    | 0.91    | 89        | 0       | 262     |
| 2019-M09-S01 | 0.66    | 0.00    | 1.61    | 191       | 0       | 464     |
| 2019-M10-S01 | 0.07    | 0.00    | 0.21    | 20        | 0       | 61      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-85: Common tern density and abundance estimates at DEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.15    | 0.00    | 0.39    | 44        | 0       | 112     |
| 2019-M04-S02 | 0.39    | 0.00    | 0.91    | 111       | 0       | 262     |
| 2019-M05-S01 | 0.24    | 0.00    | 0.50    | 68        | 0       | 143     |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0.11    | 0.00    | 0.29    | 32        | 0       | 83      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.32    | 0.00    | 0.90    | 91        | 0       | 260     |
| 2019-M09-S01 | 0.87    | 0.00    | 2.23    | 250       | 0       | 642     |
| 2019-M10-S01 | 0.07    | 0.00    | 0.21    | 20        | 0       | 60      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |



*Table 13-86: Common tern density and abundance estimates at DEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.15    | 0.00    | 0.42    | 42        | 0       | 122     |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-87: Cormorant density and abundance estimates at DEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0.07    | 0.00    | 0.21    | 20        | 0       | 61      |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.21    | 0.00    | 0.64    | 61        | 0       | 183     |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-88: Cormorant density and abundance estimates at DEP + 2 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0.07    | 0.00    | 0.21    | 21        | 0       | 60      |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.03    | 0.00    | 0.10    | 11        | 0       | 30      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.21    | 0.00    | 0.64    | 61        | 0       | 183     |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-89: Cormorant density and abundance estimates at DEP + 2 km buffer by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-90: Fulmar density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0.07    | 0.00    | 0.17    | 20        | 0       | 50      |
| 2018-M09-S01 | 0.04    | 0.00    | 0.10    | 12        | 0       | 30      |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0.03    | 0.00    | 0.11    | 9         | 0       | 31      |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M05-S01 | 0.03    | 0.00    | 0.11    | 9         | 0       | 31      |
| 2019-M05-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M06-S01 | 0.07    | 0.00    | 0.17    | 20        | 0       | 50      |
| 2019-M06-S02 | 0.04    | 0.00    | 0.10    | 12        | 0       | 30      |
| 2019-M07-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-91: Fulmar density and abundance estimates at DEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0.07    | 0.00    | 0.17    | 21        | 0       | 49      |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.03    | 0.00    | 0.11    | 9         | 0       | 31      |
| 2019-M05-S01 | 0.03    | 0.00    | 0.11    | 9         | 0       | 31      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0.03    | 0.00    | 0.11    | 9         | 0       | 31      |
| 2019-M06-S02 | 0.04    | 0.00    | 0.11    | 11        | 0       | 31      |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-92: Fulmar density and abundance estimates at DEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0.03    | 0.00    | 0.10    | 9         | 0       | 30      |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M06-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-93: Gannet density and abundance estimates at DEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2018-M06-S01 | 0.07    | 0.00    | 0.21    | 20        | 0       | 61      |
| 2018-M07-S01 | 0.11    | 0.00    | 0.28    | 32        | 0       | 81      |
| 2018-M08-S01 | 0.11    | 0.00    | 0.21    | 32        | 0       | 61      |
| 2018-M09-S01 | 0.35    | 0.07    | 0.71    | 101       | 20      | 205     |
| 2018-M10-S01 | 0.71    | 0.14    | 1.53    | 205       | 41      | 442     |
| 2018-M11-S01 | 1.21    | 0.80    | 1.70    | 349       | 230     | 490     |
| 2018-M12-S01 | 0.21    | 0.07    | 0.39    | 61        | 19      | 113     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.11    | 0.00    | 0.26    | 32        | 0       | 76      |
| 2019-M03-S01 | 0.07    | 0.00    | 0.21    | 20        | 0       | 61      |
| 2019-M04-S01 | 0.28    | 0.07    | 0.55    | 81        | 19      | 158     |
| 2019-M04-S02 | 0.21    | 0.00    | 0.42    | 61        | 0       | 122     |
| 2019-M05-S01 | 0.07    | 0.00    | 0.17    | 20        | 0       | 49      |
| 2019-M05-S02 | 0.07    | 0.00    | 0.17    | 20        | 0       | 50      |
| 2019-M06-S01 | 0.07    | 0.00    | 0.21    | 20        | 0       | 61      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M07-S02 | 0.07    | 0.00    | 0.17    | 20        | 0       | 50      |
| 2019-M08-S01 | 0.28    | 0.07    | 0.61    | 82        | 20      | 177     |
| 2019-M08-S02 | 0.25    | 0.04    | 0.52    | 72        | 11      | 149     |
| 2019-M09-S01 | 1.51    | 0.41    | 2.86    | 435       | 117     | 823     |
| 2019-M10-S01 | 0.60    | 0.21    | 1.11    | 173       | 60      | 320     |
| 2019-M11-S01 | 1.17    | 0.49    | 2.14    | 337       | 141     | 618     |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.11    | 0.00    | 0.32    | 32        | 0       | 92      |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 1.90    | 0.27    | 4.25    | 547       | 77      | 1225    |

Table 13-94: Gannet density and abundance estimates at DEP + 2 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0.17    | 0.00    | 0.45    | 50        | 0       | 131     |
| 2018-M10-S01 | 0.18    | 0.03    | 0.41    | 52        | 10      | 119     |
| 2018-M11-S01 | 0.75    | 0.52    | 1.02    | 216       | 151     | 293     |
| 2018-M12-S01 | 0.14    | 0.03    | 0.28    | 41        | 10      | 82      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.07    | 0.00    | 0.21    | 20        | 0       | 61      |
| 2019-M03-S01 | 0.11    | 0.00    | 0.32    | 33        | 0       | 93      |
| 2019-M04-S01 | 0.21    | 0.00    | 0.44    | 61        | 0       | 127     |
| 2019-M04-S02 | 0.14    | 0.00    | 0.33    | 40        | 0       | 94      |
| 2019-M05-S01 | 0.03    | 0.00    | 0.10    | 9         | 0       | 30      |
| 2019-M05-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M06-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.03    | 0.00    | 0.10    | 10        | 0       | 30      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S01 | 0.14    | 0.00    | 0.43    | 42        | 0       | 123     |
| 2019-M08-S02 | 0.03    | 0.00    | 0.11    | 9         | 0       | 31      |
| 2019-M09-S01 | 0.28    | 0.08    | 0.51    | 81        | 22      | 146     |
| 2019-M10-S01 | 0.34    | 0.03    | 0.84    | 98        | 10      | 241     |
| 2019-M11-S01 | 0.36    | 0.14    | 0.62    | 104       | 40      | 179     |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.32    | 0.14    | 0.50    | 92        | 40      | 143     |

Table 13-95: Gannet density and abundance estimates at DEP + 2 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2018-M06-S01 | 0.07    | 0.00    | 0.21    | 20        | 0       | 60      |
| 2018-M07-S01 | 0.11    | 0.00    | 0.28    | 31        | 0       | 80      |
| 2018-M08-S01 | 0.11    | 0.00    | 0.21    | 32        | 0       | 61      |
| 2018-M09-S01 | 0.17    | 0.03    | 0.34    | 49        | 10      | 98      |
| 2018-M10-S01 | 0.54    | 0.07    | 1.31    | 156       | 20      | 378     |
| 2018-M11-S01 | 0.46    | 0.11    | 0.90    | 133       | 31      | 260     |
| 2018-M12-S01 | 0.07    | 0.00    | 0.21    | 20        | 0       | 61      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.07    | 0.00    | 0.17    | 20        | 0       | 49      |
| 2019-M04-S02 | 0.07    | 0.00    | 0.17    | 20        | 0       | 49      |
| 2019-M05-S01 | 0.03    | 0.00    | 0.10    | 9         | 0       | 30      |
| 2019-M05-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M06-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.07    | 0.00    | 0.17    | 20        | 0       | 50      |
| 2019-M08-S01 | 0.14    | 0.03    | 0.28    | 41        | 10      | 80      |
| 2019-M08-S02 | 0.21    | 0.00    | 0.49    | 61        | 0       | 142     |
| 2019-M09-S01 | 1.24    | 0.31    | 2.39    | 357       | 88      | 690     |
| 2019-M10-S01 | 0.25    | 0.04    | 0.49    | 72        | 11      | 142     |
| 2019-M11-S01 | 0.82    | 0.27    | 1.64    | 236       | 77      | 474     |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.07    | 0.00    | 0.21    | 20        | 0       | 61      |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.82    | 0.04    | 1.99    | 236       | 11      | 573     |



*Table 13-96: Golden plover density and abundance estimates at DEP + 2 km buffer by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-97: Great black-backed gull density and abundance estimates at DEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.08    | 0.00    | 0.22    | 22        | 0       | 62      |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.18    | 0.00    | 0.48    | 51        | 0       | 139     |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0.08    | 0.00    | 0.21    | 24        | 0       | 61      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.03    | 0.00    | 0.11    | 9         | 0       | 31      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.19    | 0.00    | 0.58    | 56        | 0       | 167     |
| 2019-M10-S01 | 0.07    | 0.00    | 0.17    | 20        | 0       | 49      |
| 2019-M11-S01 | 0.07    | 0.00    | 0.17    | 20        | 0       | 50      |
| 2019-M12-S01 | 0.05    | 0.00    | 0.13    | 13        | 0       | 37      |
| 2020-M01-S01 | 0.08    | 0.00    | 0.20    | 23        | 0       | 57      |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.07    | 0.00    | 0.17    | 20        | 0       | 49      |

*Table 13-98: Great black-backed gull density and abundance estimates at DEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 31      |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0.07    | 0.00    | 0.17    | 20        | 0       | 50      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.03    | 0.00    | 0.11    | 10        | 0       | 31      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M11-S01 | 0.04    | 0.00    | 0.13    | 11        | 0       | 38      |
| 2019-M12-S01 | 0.04    | 0.00    | 0.13    | 11        | 0       | 38      |
| 2020-M01-S01 | 0.07    | 0.00    | 0.17    | 21        | 0       | 50      |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-99: Great black-backed gull density and abundance estimates at DEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.15    | 0.00    | 0.43    | 42        | 0       | 124     |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.20    | 0.00    | 0.58    | 57        | 0       | 166     |
| 2019-M10-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.07    | 0.00    | 0.17    | 20        | 0       | 49      |

Table 13-100: Great crested grebe density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.07    | 0.00    | 0.17    | 20        | 0       | 50      |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-101: Great crested grebe density and abundance estimates at DEP + 2 km buffer by survey – birds in flight*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-102: Great crested grebe density and abundance estimates at DEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.07    | 0.00    | 0.17    | 20        | 0       | 50      |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-103: Great skua density and abundance estimates at DEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.04    | 0.00    | 0.10    | 12        | 0       | 30      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-104: Great skua density and abundance estimates at DEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-105: Great skua density and abundance estimates at DEP + 2 km buffer by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-106: Guillemot density and abundance estimates at DEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 2.65    | 1.86    | 3.51    | 765       | 535     | 1012    |
| 2018-M06-S01 | 0.95    | 0.37    | 1.64    | 274       | 108     | 473     |
| 2018-M07-S01 | 1.62    | 0.65    | 2.78    | 467       | 188     | 802     |
| 2018-M08-S01 | 17.02   | 9.99    | 24.49   | 4906      | 2879    | 7058    |
| 2018-M09-S01 | 3.80    | 2.49    | 5.17    | 1095      | 719     | 1491    |
| 2018-M10-S01 | 32.06   | 7.02    | 67.77   | 9238      | 2022    | 19531   |
| 2018-M11-S01 | 5.09    | 3.71    | 6.48    | 1468      | 1069    | 1867    |
| 2018-M12-S01 | 3.58    | 2.08    | 5.27    | 1031      | 598     | 1519    |
| 2019-M01-S01 | 1.27    | 0.76    | 1.90    | 365       | 219     | 548     |
| 2019-M02-S01 | 1.47    | 0.88    | 2.09    | 425       | 253     | 602     |
| 2019-M03-S01 | 0.31    | 0.07    | 0.65    | 88        | 20      | 188     |
| 2019-M04-S01 | 1.74    | 1.05    | 2.45    | 502       | 303     | 707     |
| 2019-M04-S02 | 2.88    | 1.61    | 4.22    | 829       | 465     | 1216    |
| 2019-M05-S01 | 3.48    | 2.31    | 4.71    | 1003      | 666     | 1357    |
| 2019-M05-S02 | 0.30    | 0.14    | 0.48    | 87        | 39      | 137     |
| 2019-M06-S01 | 0.56    | 0.10    | 1.14    | 161       | 30      | 329     |
| 2019-M06-S02 | 0.57    | 0.31    | 0.87    | 164       | 90      | 252     |
| 2019-M07-S01 | 2.31    | 1.01    | 4.30    | 667       | 291     | 1239    |
| 2019-M07-S02 | 1.16    | 0.14    | 2.82    | 334       | 40      | 813     |
| 2019-M08-S01 | 0.11    | 0.00    | 0.28    | 31        | 0       | 81      |
| 2019-M08-S02 | 1.52    | 0.59    | 2.72    | 438       | 170     | 783     |
| 2019-M09-S01 | 50.23   | 24.78   | 79.24   | 14475     | 7142    | 22834   |
| 2019-M10-S01 | 9.00    | 6.21    | 12.18   | 2595      | 1789    | 3509    |
| 2019-M11-S01 | 3.21    | 2.01    | 4.50    | 925       | 579     | 1296    |
| 2019-M12-S01 | 1.39    | 0.66    | 2.27    | 401       | 189     | 653     |
| 2020-M01-S01 | 1.63    | 0.96    | 2.42    | 469       | 278     | 698     |
| 2020-M02-S01 | 1.12    | 0.56    | 1.80    | 324       | 162     | 520     |
| 2020-M03-S01 | 3.82    | 2.32    | 5.41    | 1102      | 670     | 1559    |
| 2020-M04-S01 | 25.06   | 12.33   | 41.01   | 7222      | 3554    | 11817   |

*Table 13-107: Guillemot density and abundance estimates at DEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.10    | 0.00    | 0.27    | 30        | 0       | 78      |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0.03    | 0.00    | 0.10    | 10        | 0       | 30      |
| 2018-M10-S01 | 0.31    | 0.00    | 0.74    | 88        | 0       | 212     |
| 2018-M11-S01 | 0.20    | 0.00    | 0.57    | 59        | 0       | 163     |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.10    | 0.00    | 0.21    | 30        | 0       | 60      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M05-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0.07    | 0.00    | 0.21    | 21        | 0       | 61      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.03    | 0.00    | 0.11    | 10        | 0       | 31      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.08    | 0.00    | 0.19    | 23        | 0       | 54      |
| 2019-M10-S01 | 0.08    | 0.00    | 0.23    | 23        | 0       | 65      |
| 2019-M11-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 31      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0.07    | 0.00    | 0.18    | 21        | 0       | 51      |
| 2020-M02-S01 | 0.07    | 0.00    | 0.17    | 20        | 0       | 50      |
| 2020-M03-S01 | 0.14    | 0.03    | 0.30    | 41        | 10      | 87      |
| 2020-M04-S01 | 2.61    | 1.29    | 4.29    | 751       | 373     | 1237    |

Table 13-108: Guillemot density and abundance estimates at DEP + 2 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 2.56    | 1.72    | 3.45    | 739       | 497     | 995     |
| 2018-M06-S01 | 1.00    | 0.38    | 1.76    | 288       | 110     | 507     |
| 2018-M07-S01 | 1.59    | 0.62    | 2.77    | 457       | 180     | 799     |
| 2018-M08-S01 | 16.97   | 9.82    | 24.18   | 4891      | 2831    | 6968    |
| 2018-M09-S01 | 3.77    | 2.52    | 5.13    | 1085      | 725     | 1477    |
| 2018-M10-S01 | 31.01   | 6.51    | 66.63   | 8937      | 1876    | 19200   |
| 2018-M11-S01 | 4.94    | 3.62    | 6.42    | 1424      | 1042    | 1851    |
| 2018-M12-S01 | 3.46    | 1.91    | 5.15    | 996       | 549     | 1484    |
| 2019-M01-S01 | 1.27    | 0.76    | 1.91    | 365       | 220     | 549     |
| 2019-M02-S01 | 1.47    | 0.87    | 2.11    | 425       | 252     | 607     |
| 2019-M03-S01 | 0.31    | 0.07    | 0.66    | 89        | 21      | 190     |
| 2019-M04-S01 | 1.74    | 1.03    | 2.47    | 502       | 296     | 713     |
| 2019-M04-S02 | 2.86    | 1.59    | 4.20    | 823       | 457     | 1210    |
| 2019-M05-S01 | 3.45    | 2.30    | 4.63    | 995       | 662     | 1333    |
| 2019-M05-S02 | 0.31    | 0.14    | 0.50    | 90        | 39      | 145     |
| 2019-M06-S01 | 0.52    | 0.11    | 1.08    | 149       | 31      | 311     |
| 2019-M06-S02 | 0.57    | 0.31    | 0.86    | 163       | 90      | 249     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S01 | 2.27    | 0.95    | 4.24    | 655       | 273     | 1221    |
| 2019-M07-S02 | 1.17    | 0.14    | 2.87    | 338       | 40      | 826     |
| 2019-M08-S01 | 0.11    | 0.00    | 0.28    | 31        | 0       | 80      |
| 2019-M08-S02 | 1.55    | 0.60    | 2.78    | 446       | 173     | 802     |
| 2019-M09-S01 | 49.52   | 23.74   | 79.09   | 14272     | 6841    | 22792   |
| 2019-M10-S01 | 8.82    | 6.04    | 11.99   | 2542      | 1741    | 3455    |
| 2019-M11-S01 | 3.18    | 1.98    | 4.46    | 916       | 570     | 1286    |
| 2019-M12-S01 | 1.41    | 0.65    | 2.28    | 405       | 188     | 656     |
| 2020-M01-S01 | 1.56    | 0.91    | 2.35    | 450       | 263     | 676     |
| 2020-M02-S01 | 1.04    | 0.52    | 1.68    | 300       | 151     | 485     |
| 2020-M03-S01 | 3.68    | 2.25    | 5.23    | 1061      | 648     | 1508    |
| 2020-M04-S01 | 16.17   | 8.23    | 26.08   | 4659      | 2372    | 7516    |

Table 13-109: Herring gull density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 31      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.03    | 0.00    | 0.11    | 9         | 0       | 31      |
| 2019-M03-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.03    | 0.00    | 0.10    | 9         | 0       | 30      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.03    | 0.00    | 0.11    | 9         | 0       | 31      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 33      |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.03    | 0.00    | 0.11    | 9         | 0       | 31      |

*Table 13-110: Herring gull density and abundance estimates at DEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.03    | 0.00    | 0.11    | 10        | 0       | 31      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.03    | 0.00    | 0.10    | 9         | 0       | 30      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 31      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |

*Table 13-111: Herring gull density and abundance estimates at DEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.04    | 0.00    | 0.12    | 11        | 0       | 34      |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-112: Kestrel density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-113: Kestrel density and abundance estimates at DEP + 2 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.03    | 0.00    | 0.10    | 9         | 0       | 30      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-114: Kestrel density and abundance estimates at DEP + 2 km buffer by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-115: Kittiwake density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.66    | 0.70    | 2.74    | 478       | 203     | 789     |
| 2018-M06-S01 | 1.24    | 0.53    | 2.00    | 357       | 152     | 576     |
| 2018-M07-S01 | 0.32    | 0.07    | 0.60    | 92        | 21      | 173     |
| 2018-M08-S01 | 2.77    | 0.65    | 6.25    | 798       | 188     | 1800    |
| 2018-M09-S01 | 0.49    | 0.14    | 0.90    | 141       | 39      | 260     |
| 2018-M10-S01 | 2.52    | 0.19    | 6.62    | 725       | 56      | 1909    |
| 2018-M11-S01 | 0.13    | 0.00    | 0.33    | 37        | 0       | 96      |
| 2018-M12-S01 | 0.20    | 0.07    | 0.40    | 59        | 19      | 115     |
| 2019-M01-S01 | 0.21    | 0.07    | 0.36    | 61        | 20      | 105     |
| 2019-M02-S01 | 0.36    | 0.07    | 0.82    | 105       | 20      | 237     |
| 2019-M03-S01 | 0.11    | 0.00    | 0.27    | 32        | 0       | 79      |
| 2019-M04-S01 | 1.35    | 0.66    | 2.18    | 389       | 190     | 628     |
| 2019-M04-S02 | 1.97    | 1.09    | 3.01    | 568       | 313     | 866     |
| 2019-M05-S01 | 0.52    | 0.00    | 1.15    | 151       | 0       | 330     |
| 2019-M05-S02 | 0.96    | 0.03    | 2.54    | 277       | 10      | 731     |
| 2019-M06-S01 | 0.07    | 0.00    | 0.17    | 20        | 0       | 50      |
| 2019-M06-S02 | 0.18    | 0.00    | 0.42    | 52        | 0       | 122     |
| 2019-M07-S01 | 0.35    | 0.10    | 0.74    | 101       | 29      | 213     |
| 2019-M07-S02 | 0.36    | 0.04    | 0.78    | 105       | 11      | 224     |
| 2019-M08-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 31      |
| 2019-M08-S02 | 1.48    | 0.03    | 4.22    | 427       | 10      | 1217    |
| 2019-M09-S01 | 7.63    | 1.19    | 17.62   | 2199      | 342     | 5077    |
| 2019-M10-S01 | 0.19    | 0.03    | 0.37    | 54        | 10      | 108     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.21    | 0.04    | 0.39    | 60        | 11      | 113     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M01-S01 | 0.29    | 0.07    | 0.59    | 83        | 20      | 169     |
| 2020-M02-S01 | 0.59    | 0.20    | 1.08    | 171       | 58      | 310     |
| 2020-M03-S01 | 0.14    | 0.03    | 0.27    | 40        | 10      | 77      |
| 2020-M04-S01 | 8.26    | 4.54    | 12.54   | 2379      | 1309    | 3615    |

*Table 13-116: Kittiwake density and abundance estimates at DEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.57    | 0.20    | 1.11    | 164       | 58      | 321     |
| 2018-M06-S01 | 0.25    | 0.10    | 0.42    | 71        | 29      | 121     |
| 2018-M07-S01 | 0.11    | 0.00    | 0.26    | 32        | 0       | 74      |
| 2018-M08-S01 | 0.57    | 0.25    | 0.91    | 166       | 72      | 263     |
| 2018-M09-S01 | 0.46    | 0.10    | 0.84    | 132       | 30      | 243     |
| 2018-M10-S01 | 0.82    | 0.07    | 1.96    | 237       | 20      | 564     |
| 2018-M11-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2018-M12-S01 | 0.14    | 0.03    | 0.24    | 41        | 10      | 69      |
| 2019-M01-S01 | 0.17    | 0.07    | 0.31    | 50        | 19      | 88      |
| 2019-M02-S01 | 0.21    | 0.03    | 0.51    | 62        | 10      | 146     |
| 2019-M03-S01 | 0.06    | 0.00    | 0.17    | 16        | 0       | 48      |
| 2019-M04-S01 | 0.87    | 0.39    | 1.52    | 251       | 111     | 438     |
| 2019-M04-S02 | 0.95    | 0.55    | 1.44    | 274       | 158     | 415     |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.11    | 0.00    | 0.27    | 32        | 0       | 79      |
| 2019-M06-S01 | 0.03    | 0.00    | 0.10    | 9         | 0       | 30      |
| 2019-M06-S02 | 0.04    | 0.00    | 0.10    | 11        | 0       | 30      |
| 2019-M07-S01 | 0.22    | 0.07    | 0.49    | 62        | 19      | 140     |
| 2019-M07-S02 | 0.11    | 0.03    | 0.21    | 31        | 10      | 61      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.09    | 0.00    | 0.18    | 27        | 0       | 53      |
| 2019-M09-S01 | 1.31    | 0.56    | 2.32    | 377       | 161     | 668     |
| 2019-M10-S01 | 0.15    | 0.03    | 0.29    | 42        | 10      | 83      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.14    | 0.03    | 0.25    | 41        | 10      | 71      |
| 2020-M01-S01 | 0.21    | 0.07    | 0.38    | 61        | 20      | 110     |
| 2020-M02-S01 | 0.14    | 0.03    | 0.31    | 40        | 10      | 90      |
| 2020-M03-S01 | 0.14    | 0.03    | 0.27    | 41        | 10      | 79      |
| 2020-M04-S01 | 3.00    | 2.16    | 3.96    | 865       | 622     | 1141    |

**Table 13-117: Kittiwake density and abundance estimates at DEP + 2 km buffer by survey – birds on sea**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.09    | 0.35    | 1.97    | 314       | 100     | 568     |
| 2018-M06-S01 | 1.01    | 0.37    | 1.67    | 291       | 108     | 482     |
| 2018-M07-S01 | 0.21    | 0.00    | 0.51    | 61        | 0       | 146     |
| 2018-M08-S01 | 2.22    | 0.35    | 5.39    | 640       | 101     | 1553    |
| 2018-M09-S01 | 0.03    | 0.00    | 0.10    | 9         | 0       | 30      |
| 2018-M10-S01 | 1.67    | 0.00    | 4.73    | 482       | 0       | 1363    |
| 2018-M11-S01 | 0.11    | 0.00    | 0.28    | 32        | 0       | 80      |
| 2018-M12-S01 | 0.08    | 0.00    | 0.22    | 22        | 0       | 62      |
| 2019-M01-S01 | 0.03    | 0.00    | 0.10    | 9         | 0       | 30      |
| 2019-M02-S01 | 0.15    | 0.00    | 0.32    | 42        | 0       | 92      |
| 2019-M03-S01 | 0.07    | 0.00    | 0.17    | 20        | 0       | 50      |
| 2019-M04-S01 | 0.47    | 0.16    | 0.86    | 135       | 47      | 247     |
| 2019-M04-S02 | 1.03    | 0.37    | 1.86    | 297       | 106     | 537     |
| 2019-M05-S01 | 0.53    | 0.00    | 1.13    | 152       | 0       | 326     |
| 2019-M05-S02 | 0.85    | 0.00    | 2.35    | 246       | 0       | 677     |
| 2019-M06-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M06-S02 | 0.14    | 0.00    | 0.39    | 41        | 0       | 112     |
| 2019-M07-S01 | 0.14    | 0.00    | 0.34    | 40        | 0       | 98      |
| 2019-M07-S02 | 0.26    | 0.00    | 0.67    | 74        | 0       | 192     |
| 2019-M08-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 31      |
| 2019-M08-S02 | 1.42    | 0.00    | 4.17    | 409       | 0       | 1203    |
| 2019-M09-S01 | 6.44    | 0.44    | 16.11   | 1855      | 127     | 4642    |
| 2019-M10-S01 | 0.05    | 0.00    | 0.13    | 13        | 0       | 38      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.08    | 0.00    | 0.22    | 22        | 0       | 62      |
| 2020-M01-S01 | 0.06    | 0.00    | 0.17    | 18        | 0       | 50      |
| 2020-M02-S01 | 0.45    | 0.07    | 0.93    | 131       | 20      | 268     |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 3.78    | 1.94    | 6.31    | 1088      | 559     | 1819    |

**Table 13-118: Knot density and abundance estimates at DEP + 2 km buffer by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 1.35    | 0.00    | 3.98    | 389       | 0       | 1146    |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-119: Knot density and abundance estimates at DEP + 2 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 1.29    | 0.00    | 3.95    | 372       | 0       | 1137    |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-120: Knot density and abundance estimates at DEP + 2 km buffer by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-121: Lapwing density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-122: Lesser black-backed gull density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2018-M07-S01 | 0.18    | 0.03    | 0.35    | 52        | 10      | 101     |
| 2018-M08-S01 | 0.07    | 0.00    | 0.17    | 20        | 0       | 49      |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 31      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M05-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 33      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M07-S02 | 0.04    | 0.00    | 0.10    | 12        | 0       | 30      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.05    | 0.00    | 0.13    | 13        | 0       | 37      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-123: Lesser black-backed gull density and abundance estimates at DEP + 2km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 31      |
| 2018-M07-S01 | 0.07    | 0.00    | 0.18    | 20        | 0       | 51      |
| 2018-M08-S01 | 0.07    | 0.00    | 0.17    | 21        | 0       | 48      |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.04    | 0.00    | 0.10    | 11        | 0       | 30      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 31      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 31-124: Lesser black-backed gull density and abundance estimates at DEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0.11    | 0.00    | 0.21    | 31        | 0       | 61      |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 31      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.05    | 0.00    | 0.12    | 13        | 0       | 36      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-125: Little gull density and abundance estimates at DEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 2.74    | 0.30    | 6.64    | 791       | 86      | 1914    |
| 2018-M11-S01 | 0.13    | 0.00    | 0.28    | 37        | 0       | 82      |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 2.40    | 1.39    | 3.84    | 693       | 400     | 1108    |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-126: Little gull density and abundance estimates at DEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 1.67    | 0.07    | 4.17    | 480       | 21      | 1202    |
| 2018-M11-S01 | 0.11    | 0.00    | 0.21    | 32        | 0       | 61      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 1.83    | 0.89    | 3.14    | 527       | 257     | 905     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-127: Little gull density and abundance estimates at DEP + 2 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 1.14    | 0.10    | 2.60    | 329       | 30      | 748     |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.58    | 0.27    | 0.91    | 166       | 77      | 263     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-128: Long-tailed duck density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-129: Long-tailed duck density and abundance estimates at DEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-130: Long-tailed duck density and abundance estimates at DEP + 2 km buffer by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |



*Table 13-131: Manx shearwater density and abundance estimates at DEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.24    | 0.00    | 0.69    | 69        | 0       | 198     |
| 2019-M10-S01 | 0.04    | 0.00    | 0.12    | 12        | 0       | 34      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-132: Manx shearwater density and abundance estimates at DEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.05    | 0.00    | 0.13    | 13        | 0       | 38      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-133: Manx shearwater density and abundance estimates at DEP + 2 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.23    | 0.00    | 0.68    | 66        | 0       | 197     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-134: Oystercatcher density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-135: Pomarine skua density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-136: Puffin density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.07    | 0.00    | 0.22    | 21        | 0       | 62      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.08    | 0.00    | 0.18    | 22        | 0       | 53      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 32      |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-137: Puffin density and abundance estimates at DEP + 2 km buffer by survey – birds in flight

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-138: Puffin density and abundance estimates at DEP + 2 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.08    | 0.00    | 0.22    | 22        | 0       | 62      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.08    | 0.00    | 0.19    | 22        | 0       | 54      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 32      |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-139: Razorbill density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 31      |
| 2018-M06-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 33      |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 1.64    | 0.44    | 3.15    | 473       | 127     | 907     |
| 2018-M09-S01 | 0.08    | 0.00    | 0.20    | 23        | 0       | 57      |
| 2018-M10-S01 | 13.41   | 2.43    | 28.50   | 3865      | 700     | 8213    |
| 2018-M11-S01 | 3.52    | 2.09    | 5.47    | 1015      | 601     | 1577    |
| 2018-M12-S01 | 1.39    | 0.84    | 2.00    | 400       | 241     | 576     |
| 2019-M01-S01 | 0.19    | 0.00    | 0.50    | 54        | 0       | 144     |
| 2019-M02-S01 | 1.18    | 0.43    | 2.24    | 341       | 124     | 646     |
| 2019-M03-S01 | 0.53    | 0.07    | 1.27    | 153       | 20      | 365     |
| 2019-M04-S01 | 0.38    | 0.11    | 0.68    | 109       | 32      | 196     |
| 2019-M04-S02 | 0.26    | 0.07    | 0.45    | 74        | 21      | 130     |
| 2019-M05-S01 | 0.22    | 0.07    | 0.37    | 63        | 20      | 107     |
| 2019-M05-S02 | 0.34    | 0.00    | 0.94    | 98        | 0       | 271     |
| 2019-M06-S01 | 0.05    | 0.00    | 0.12    | 13        | 0       | 36      |
| 2019-M06-S02 | 0.14    | 0.00    | 0.35    | 40        | 0       | 100     |
| 2019-M07-S01 | 0.21    | 0.00    | 0.57    | 60        | 0       | 165     |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 11.91   | 5.17    | 21.57   | 3432      | 1490    | 6215    |
| 2019-M10-S01 | 7.51    | 4.38    | 11.32   | 2165      | 1263    | 3261    |
| 2019-M11-S01 | 1.15    | 0.59    | 1.86    | 331       | 169     | 536     |
| 2019-M12-S01 | 1.47    | 0.60    | 2.55    | 425       | 172     | 735     |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.70    | 0.00    | 1.59    | 203       | 0       | 459     |
| 2020-M03-S01 | 0.37    | 0.11    | 0.70    | 106       | 33      | 201     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M04-S01 | 8.17    | 3.51    | 14.32   | 2353      | 1012    | 4128    |

*Table 13-140: Razorbill density and abundance estimates at DEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.44    | 0.03    | 0.91    | 128       | 9       | 263     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 1.03    | 0.45    | 1.75    | 297       | 130     | 503     |

*Table 13-141: Razorbill density and abundance estimates at DEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 32      |
| 2018-M06-S01 | 0.05    | 0.00    | 0.12    | 13        | 0       | 35      |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 1.64    | 0.44    | 3.19    | 474       | 126     | 918     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M09-S01 | 0.08    | 0.00    | 0.20    | 24        | 0       | 57      |
| 2018-M10-S01 | 13.27   | 2.47    | 27.65   | 3825      | 711     | 7967    |
| 2018-M11-S01 | 3.52    | 2.06    | 5.44    | 1014      | 593     | 1567    |
| 2018-M12-S01 | 1.38    | 0.84    | 2.04    | 399       | 242     | 588     |
| 2019-M01-S01 | 0.19    | 0.00    | 0.50    | 55        | 0       | 144     |
| 2019-M02-S01 | 1.18    | 0.41    | 2.24    | 340       | 119     | 646     |
| 2019-M03-S01 | 0.53    | 0.07    | 1.26    | 153       | 19      | 362     |
| 2019-M04-S01 | 0.38    | 0.11    | 0.67    | 109       | 32      | 194     |
| 2019-M04-S02 | 0.23    | 0.07    | 0.40    | 65        | 20      | 114     |
| 2019-M05-S01 | 0.22    | 0.07    | 0.37    | 63        | 21      | 106     |
| 2019-M05-S02 | 0.35    | 0.00    | 0.98    | 100       | 0       | 283     |
| 2019-M06-S01 | 0.04    | 0.00    | 0.12    | 12        | 0       | 36      |
| 2019-M06-S02 | 0.14    | 0.00    | 0.34    | 41        | 0       | 99      |
| 2019-M07-S01 | 0.21    | 0.00    | 0.58    | 60        | 0       | 166     |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 11.85   | 5.18    | 21.61   | 3414      | 1494    | 6228    |
| 2019-M10-S01 | 7.20    | 4.08    | 11.03   | 2074      | 1175    | 3178    |
| 2019-M11-S01 | 1.15    | 0.59    | 1.86    | 332       | 170     | 537     |
| 2019-M12-S01 | 1.48    | 0.60    | 2.53    | 426       | 173     | 729     |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.71    | 0.00    | 1.61    | 205       | 0       | 464     |
| 2020-M03-S01 | 0.36    | 0.11    | 0.69    | 105       | 33      | 198     |
| 2020-M04-S01 | 5.15    | 2.38    | 8.94    | 1483      | 687     | 2577    |

Table 13-142: Red-throated diver density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.07    | 0.00    | 0.21    | 20        | 0       | 61      |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 31      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M01-S01 | 0.03    | 0.00    | 0.10    | 9         | 0       | 30      |
| 2019-M02-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M03-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M04-S01 | 0.18    | 0.04    | 0.33    | 52        | 11      | 94      |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.27    | 0.00    | 0.66    | 78        | 0       | 191     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0.07    | 0.00    | 0.22    | 20        | 0       | 62      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-143: Red-throated diver density and abundance estimates at DEP + 2 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 33      |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-144: Red-throated diver density and abundance estimates at DEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.07    | 0.00    | 0.21    | 20        | 0       | 61      |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.04    | 0.00    | 0.11    | 11        | 0       | 31      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0.03    | 0.00    | 0.11    | 9         | 0       | 31      |
| 2019-M01-S01 | 0.03    | 0.00    | 0.10    | 9         | 0       | 30      |
| 2019-M02-S01 | 0.03    | 0.00    | 0.11    | 9         | 0       | 31      |
| 2019-M03-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2019-M04-S01 | 0.18    | 0.04    | 0.33    | 52        | 11      | 94      |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.23    | 0.00    | 0.55    | 66        | 0       | 159     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0.07    | 0.00    | 0.22    | 21        | 0       | 63      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.04    | 0.00    | 0.11    | 12        | 0       | 31      |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-145: Sandwich tern density and abundance estimates at DEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.41    | 0.92    | 1.90    | 406       | 265     | 547     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M06-S01 | 0.21    | 0.10    | 0.34    | 61        | 29      | 98      |
| 2018-M07-S01 | 1.41    | 0.66    | 2.29    | 406       | 191     | 661     |
| 2018-M08-S01 | 0.32    | 0.07    | 0.63    | 92        | 19      | 182     |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.68    | 0.13    | 1.45    | 196       | 38      | 417     |
| 2019-M04-S02 | 1.18    | 0.35    | 2.26    | 339       | 101     | 652     |
| 2019-M05-S01 | 0.97    | 0.39    | 1.63    | 279       | 111     | 469     |
| 2019-M05-S02 | 0.43    | 0.17    | 0.77    | 124       | 48      | 222     |
| 2019-M06-S01 | 0.42    | 0.03    | 1.05    | 120       | 10      | 302     |
| 2019-M06-S02 | 0.75    | 0.18    | 1.47    | 216       | 51      | 425     |
| 2019-M07-S01 | 0.14    | 0.03    | 0.26    | 40        | 10      | 76      |
| 2019-M07-S02 | 0.32    | 0.07    | 0.66    | 92        | 19      | 189     |
| 2019-M08-S01 | 0.25    | 0.07    | 0.48    | 72        | 20      | 139     |
| 2019-M08-S02 | 0.09    | 0.00    | 0.22    | 27        | 0       | 64      |
| 2019-M09-S01 | 0.36    | 0.00    | 1.05    | 104       | 0       | 303     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-146: Sandwich tern density and abundance estimates at DEP + 2 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.40    | 0.93    | 1.88    | 405       | 267     | 541     |
| 2018-M06-S01 | 0.21    | 0.10    | 0.34    | 62        | 29      | 98      |
| 2018-M07-S01 | 1.38    | 0.65    | 2.26    | 398       | 187     | 650     |
| 2018-M08-S01 | 0.32    | 0.00    | 0.65    | 92        | 0       | 188     |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.67    | 0.10    | 1.44    | 192       | 30      | 415     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S02 | 1.23    | 0.40    | 2.39    | 354       | 115     | 688     |
| 2019-M05-S01 | 0.88    | 0.35    | 1.49    | 254       | 101     | 429     |
| 2019-M05-S02 | 0.44    | 0.16    | 0.78    | 126       | 47      | 224     |
| 2019-M06-S01 | 0.42    | 0.03    | 1.03    | 122       | 10      | 298     |
| 2019-M06-S02 | 0.75    | 0.21    | 1.47    | 218       | 60      | 424     |
| 2019-M07-S01 | 0.14    | 0.03    | 0.27    | 41        | 10      | 79      |
| 2019-M07-S02 | 0.31    | 0.00    | 0.64    | 91        | 0       | 183     |
| 2019-M08-S01 | 0.25    | 0.07    | 0.48    | 72        | 20      | 138     |
| 2019-M08-S02 | 0.09    | 0.00    | 0.22    | 27        | 0       | 64      |
| 2019-M09-S01 | 0.42    | 0.00    | 1.22    | 122       | 0       | 352     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-147: Sandwich tern density and abundance estimates at DEP + 2 km buffer by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-148: Shag density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-149: Tufted duck density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-150: Woodpigeon density and abundance estimates at DEP + 2 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

### 13.1.6.3 DEP + 4km Buffer

*Table 13-151: Arctic skua density and abundance estimates at DEP + 4km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-152: Arctic skua density and abundance estimates at DEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-153: Arctic skua density and abundance estimates at DEP + 4 km buffer by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-154: Arctic tern density and abundance estimates at DEP + 4 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.18    | 0.00    | 0.46    | 91        | 0       | 232     |
| 2019-M05-S01 | 0.11    | 0.00    | 0.29    | 54        | 0       | 148     |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-155: Arctic tern density and abundance estimates at DEP + 4 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.09    | 0.00    | 0.28    | 46        | 0       | 141     |
| 2019-M05-S01 | 0.08    | 0.00    | 0.21    | 42        | 0       | 108     |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-156: Arctic tern density and abundance estimates at DEP + 4 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-157: Black-headed gull density and abundance estimates at DEP + 4 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.04    | 0.00    | 0.13    | 22        | 0       | 65      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.04    | 0.00    | 0.14    | 22        | 0       | 72      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.09    | 0.00    | 0.25    | 45        | 0       | 129     |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.15    | 0.04    | 0.28    | 74        | 19      | 141     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-158: Black-headed gull density and abundance estimates at DEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.04    | 0.00    | 0.12    | 20        | 0       | 60      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.04    | 0.00    | 0.12    | 20        | 0       | 59      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.09    | 0.00    | 0.26    | 46        | 0       | 131     |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.14    | 0.04    | 0.28    | 71        | 20      | 140     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-159: Black-headed gull density and abundance estimates at DEP + 4 km buffer by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-160: Common gull density and abundance estimates at DEP + 4 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.08    | 0.00    | 0.18    | 42        | 0       | 91      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M03-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0.07    | 0.02    | 0.15    | 38        | 9       | 78      |
| 2019-M05-S02 | 0.06    | 0.02    | 0.12    | 32        | 10      | 61      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.07    | 12        | 0       | 33      |
| 2019-M09-S01 | 0.02    | 0.00    | 0.07    | 12        | 0       | 33      |
| 2019-M10-S01 | 0.02    | 0.00    | 0.07    | 11        | 0       | 33      |
| 2019-M11-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0.02    | 0.00    | 0.07    | 12        | 0       | 36      |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2020-M04-S01 | 0.08    | 0.00    | 0.18    | 41        | 0       | 92      |

Table 13-161: Common gull density and abundance estimates at DEP + 4 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.08    | 0.00    | 0.18    | 41        | 0       | 91      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2019-M03-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.04    | 0.00    | 0.09    | 20        | 0       | 48      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.07    | 12        | 0       | 34      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2019-M11-S01 | 0.02    | 0.00    | 0.07    | 11        | 0       | 38      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2020-M04-S01 | 0.04    | 0.00    | 0.10    | 20        | 0       | 51      |

*Table 13-162: Common gull density and abundance estimates at DEP + 4 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0.06    | 0.02    | 0.12    | 31        | 9       | 59      |
| 2019-M05-S02 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.02    | 0.00    | 0.07    | 12        | 0       | 33      |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.04    | 0.00    | 0.12    | 20        | 0       | 61      |

*Table 13-163: Common scoter density and abundance estimates at DEP + 4 km buffer by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-164: Common tern density and abundance estimates at DEP + 4 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0.04    | 0.00    | 0.12    | 21        | 0       | 60      |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.49    | 0.00    | 1.43    | 248       | 0       | 726     |
| 2019-M04-S02 | 0.81    | 0.12    | 1.86    | 410       | 60      | 946     |
| 2019-M05-S01 | 0.58    | 0.18    | 1.11    | 293       | 90      | 563     |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0.07    | 0.00    | 0.16    | 33        | 0       | 81      |
| 2019-M06-S02 | 0.04    | 0.00    | 0.10    | 20        | 0       | 50      |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.25    | 0.00    | 0.69    | 127       | 0       | 349     |
| 2019-M09-S01 | 1.15    | 0.00    | 2.52    | 582       | 0       | 1280    |
| 2019-M10-S01 | 0.06    | 0.00    | 0.14    | 30        | 0       | 71      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-165: Common tern density and abundance estimates at DEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0.04    | 0.00    | 0.12    | 22        | 0       | 60      |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.20    | 0.00    | 0.60    | 104       | 0       | 302     |
| 2019-M04-S02 | 0.27    | 0.04    | 0.55    | 137       | 18      | 281     |
| 2019-M05-S01 | 0.45    | 0.17    | 0.84    | 226       | 86      | 424     |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0.07    | 0.00    | 0.15    | 33        | 0       | 78      |
| 2019-M06-S02 | 0.04    | 0.00    | 0.10    | 21        | 0       | 51      |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.24    | 0.00    | 0.66    | 123       | 0       | 333     |
| 2019-M09-S01 | 0.95    | 0.00    | 2.22    | 480       | 0       | 1127    |
| 2019-M10-S01 | 0.06    | 0.00    | 0.14    | 30        | 0       | 70      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-166: Common tern density and abundance estimates at DEP + 4 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.16    | 0.00    | 0.47    | 83        | 0       | 239     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S02 | 0.18    | 0.00    | 0.53    | 90        | 0       | 270     |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-167: Cormorant density and abundance estimates at DEP + 4 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0.04    | 0.00    | 0.12    | 20        | 0       | 60      |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.12    | 0.00    | 0.36    | 61        | 0       | 181     |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-168: Cormorant density and abundance estimates at DEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0.04    | 0.00    | 0.12    | 21        | 0       | 59      |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.12    | 0.00    | 0.36    | 61        | 0       | 181     |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-169: Cormorant density and abundance estimates at DEP + 4 km buffer by survey – birds on sea**

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-170: Fulmar density and abundance estimates at DEP + 4 km buffer by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0.04    | 0.00    | 0.10    | 21        | 0       | 49      |
| 2018-M09-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.06    | 0.00    | 0.13    | 30        | 0       | 68      |
| 2019-M03-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.10    | 0.00    | 0.26    | 51        | 0       | 130     |
| 2019-M05-S01 | 0.08    | 0.02    | 0.16    | 42        | 10      | 80      |
| 2019-M05-S02 | 0.04    | 0.00    | 0.10    | 20        | 0       | 49      |
| 2019-M06-S01 | 0.08    | 0.02    | 0.17    | 43        | 10      | 85      |
| 2019-M06-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M07-S01 | 0.08    | 0.02    | 0.15    | 41        | 10      | 77      |
| 2019-M07-S02 | 0.06    | 0.00    | 0.12    | 30        | 0       | 61      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.04    | 0.00    | 0.10    | 20        | 0       | 50      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2020-M04-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |

**Table 13-171: Fulmar density and abundance estimates at DEP + 4 km buffer by survey – birds in flight**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0.04    | 0.00    | 0.10    | 20        | 0       | 49      |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0.02    | 0.00    | 0.06    | 12        | 0       | 31      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.04    | 0.00    | 0.12    | 20        | 0       | 61      |
| 2019-M05-S01 | 0.04    | 0.00    | 0.10    | 20        | 0       | 50      |
| 2019-M05-S02 | 0.02    | 0.00    | 0.07    | 10        | 0       | 37      |
| 2019-M06-S01 | 0.06    | 0.00    | 0.13    | 30        | 0       | 65      |
| 2019-M06-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2019-M07-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2019-M07-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.04    | 0.00    | 0.10    | 21        | 0       | 51      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2020-M04-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |

Table 13-172: Fulmar density and abundance estimates at DEP + 4 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.04    | 0.00    | 0.10    | 21        | 0       | 51      |
| 2019-M03-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.06    | 0.00    | 0.18    | 31        | 0       | 91      |
| 2019-M05-S01 | 0.04    | 0.00    | 0.10    | 21        | 0       | 50      |
| 2019-M05-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M06-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.06    | 0.00    | 0.12    | 31        | 0       | 61      |
| 2019-M07-S02 | 0.04    | 0.00    | 0.10    | 21        | 0       | 51      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-173: Gannet density and abundance estimates at DEP + 4 km by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.04    | 0.00    | 0.12    | 20        | 0       | 60      |
| 2018-M06-S01 | 0.06    | 0.00    | 0.15    | 30        | 0       | 77      |
| 2018-M07-S01 | 0.32    | 0.02    | 0.88    | 162       | 9       | 448     |
| 2018-M08-S01 | 0.10    | 0.02    | 0.20    | 51        | 10      | 102     |
| 2018-M09-S01 | 0.32    | 0.08    | 0.65    | 162       | 39      | 328     |
| 2018-M10-S01 | 0.54    | 0.12    | 1.11    | 274       | 59      | 565     |
| 2018-M11-S01 | 1.44    | 0.95    | 1.98    | 731       | 482     | 1006    |
| 2018-M12-S01 | 0.20    | 0.06    | 0.38    | 101       | 30      | 193     |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.06    | 0.00    | 0.14    | 30        | 0       | 71      |
| 2019-M03-S01 | 0.06    | 0.00    | 0.15    | 30        | 0       | 78      |
| 2019-M04-S01 | 0.42    | 0.12    | 0.79    | 213       | 61      | 399     |
| 2019-M04-S02 | 0.14    | 0.04    | 0.26    | 71        | 20      | 134     |
| 2019-M05-S01 | 0.12    | 0.04    | 0.23    | 61        | 20      | 118     |
| 2019-M05-S02 | 0.16    | 0.06    | 0.30    | 81        | 28      | 152     |
| 2019-M06-S01 | 0.06    | 0.00    | 0.16    | 30        | 0       | 80      |
| 2019-M06-S02 | 0.04    | 0.00    | 0.09    | 20        | 0       | 48      |
| 2019-M07-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M07-S02 | 0.12    | 0.04    | 0.22    | 61        | 18      | 112     |
| 2019-M08-S01 | 0.32    | 0.14    | 0.53    | 162       | 69      | 268     |
| 2019-M08-S02 | 0.22    | 0.06    | 0.44    | 112       | 31      | 223     |
| 2019-M09-S01 | 1.13    | 0.50    | 1.92    | 573       | 254     | 974     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M10-S01 | 0.66    | 0.33    | 1.02    | 335       | 167     | 518     |
| 2019-M11-S01 | 1.23    | 0.67    | 1.90    | 624       | 341     | 962     |
| 2019-M12-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.06    | 0.00    | 0.18    | 30        | 0       | 91      |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.97    | 0.41    | 1.60    | 492       | 210     | 812     |

*Table 13-174: Gannet density and abundance estimates at DEP + 4 km by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2018-M08-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2018-M09-S01 | 0.12    | 0.02    | 0.31    | 61        | 9       | 156     |
| 2018-M10-S01 | 0.14    | 0.04    | 0.29    | 71        | 20      | 148     |
| 2018-M11-S01 | 0.66    | 0.43    | 0.91    | 335       | 216     | 460     |
| 2018-M12-S01 | 0.14    | 0.04    | 0.28    | 73        | 20      | 141     |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.04    | 0.00    | 0.12    | 21        | 0       | 60      |
| 2019-M03-S01 | 0.06    | 0.00    | 0.15    | 31        | 0       | 78      |
| 2019-M04-S01 | 0.28    | 0.10    | 0.49    | 142       | 50      | 251     |
| 2019-M04-S02 | 0.10    | 0.02    | 0.21    | 51        | 10      | 107     |
| 2019-M05-S01 | 0.10    | 0.02    | 0.21    | 51        | 10      | 105     |
| 2019-M05-S02 | 0.10    | 0.00    | 0.21    | 51        | 0       | 107     |
| 2019-M06-S01 | 0.04    | 0.00    | 0.10    | 20        | 0       | 51      |
| 2019-M06-S02 | 0.04    | 0.00    | 0.09    | 20        | 0       | 47      |
| 2019-M07-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M07-S02 | 0.06    | 0.00    | 0.12    | 31        | 0       | 60      |
| 2019-M08-S01 | 0.14    | 0.00    | 0.32    | 71        | 0       | 162     |
| 2019-M08-S02 | 0.06    | 0.00    | 0.18    | 30        | 0       | 89      |
| 2019-M09-S01 | 0.26    | 0.14    | 0.40    | 132       | 73      | 204     |
| 2019-M10-S01 | 0.33    | 0.08    | 0.64    | 167       | 41      | 323     |
| 2019-M11-S01 | 0.43    | 0.16    | 0.75    | 217       | 80      | 382     |
| 2019-M12-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.27    | 0.14    | 0.38    | 137       | 70      | 195     |

*Table 13-175: Gannet density and abundance estimates at DEP + 4 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2018-M06-S01 | 0.06    | 0.00    | 0.15    | 31        | 0       | 76      |
| 2018-M07-S01 | 0.30    | 0.00    | 0.88    | 153       | 0       | 445     |
| 2018-M08-S01 | 0.08    | 0.02    | 0.16    | 41        | 10      | 79      |
| 2018-M09-S01 | 0.20    | 0.04    | 0.41    | 101       | 20      | 208     |
| 2018-M10-S01 | 0.40    | 0.06    | 0.86    | 203       | 29      | 434     |
| 2018-M11-S01 | 0.78    | 0.41    | 1.20    | 398       | 210     | 610     |
| 2018-M12-S01 | 0.06    | 0.00    | 0.16    | 31        | 0       | 81      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.14    | 0.02    | 0.32    | 72        | 10      | 162     |
| 2019-M04-S02 | 0.04    | 0.00    | 0.10    | 21        | 0       | 49      |
| 2019-M05-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2019-M05-S02 | 0.06    | 0.00    | 0.12    | 31        | 0       | 61      |
| 2019-M06-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.06    | 0.00    | 0.12    | 31        | 0       | 62      |
| 2019-M08-S01 | 0.18    | 0.06    | 0.33    | 92        | 29      | 168     |
| 2019-M08-S02 | 0.16    | 0.02    | 0.36    | 83        | 11      | 183     |
| 2019-M09-S01 | 0.83    | 0.28    | 1.48    | 420       | 144     | 752     |
| 2019-M10-S01 | 0.34    | 0.12    | 0.62    | 173       | 61      | 313     |
| 2019-M11-S01 | 0.80    | 0.32    | 1.43    | 405       | 160     | 726     |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.04    | 0.00    | 0.12    | 21        | 0       | 61      |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.68    | 0.21    | 1.25    | 345       | 105     | 635     |

*Table 13-176: Golden plover density and abundance estimates at DEP + 4 km buffer by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-177: Great black-backed gull density and abundance estimates at DEP + 4 km buffer by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.04    | 0.00    | 0.12    | 22        | 0       | 63      |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0.03    | 0.00    | 0.10    | 15        | 0       | 53      |
| 2018-M08-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2018-M09-S01 | 0.06    | 0.00    | 0.14    | 30        | 0       | 71      |
| 2018-M10-S01 | 0.11    | 0.00    | 0.33    | 56        | 0       | 165     |
| 2018-M11-S01 | 0.04    | 0.00    | 0.10    | 20        | 0       | 50      |
| 2018-M12-S01 | 0.11    | 0.02    | 0.25    | 55        | 10      | 128     |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.20    | 0.02    | 0.47    | 101       | 11      | 240     |
| 2019-M10-S01 | 0.06    | 0.02    | 0.12    | 30        | 10      | 59      |
| 2019-M11-S01 | 0.06    | 0.02    | 0.12    | 30        | 10      | 60      |
| 2019-M12-S01 | 0.02    | 0.00    | 0.07    | 12        | 0       | 36      |
| 2020-M01-S01 | 0.09    | 0.00    | 0.21    | 44        | 0       | 108     |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.05    | 0.00    | 0.12    | 25        | 0       | 62      |

**Table 13-178: Great black-backed gull density and abundance estimates at DEP + 4 km buffer by survey – birds in flight**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2018-M10-S01 | 0.02    | 0.00    | 0.08    | 12        | 0       | 39      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0.06    | 0.02    | 0.12    | 31        | 9       | 60      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.02    | 0.00    | 0.07    | 12        | 0       | 34      |
| 2019-M10-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2019-M11-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2019-M12-S01 | 0.02    | 0.00    | 0.07    | 11        | 0       | 37      |
| 2020-M01-S01 | 0.04    | 0.00    | 0.08    | 21        | 0       | 41      |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-179: Great black-backed gull density and abundance estimates at DEP + 4 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2018-M08-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2018-M09-S01 | 0.04    | 0.00    | 0.12    | 21        | 0       | 59      |
| 2018-M10-S01 | 0.08    | 0.00    | 0.23    | 40        | 0       | 118     |
| 2018-M11-S01 | 0.04    | 0.00    | 0.10    | 21        | 0       | 50      |
| 2018-M12-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.15    | 0.02    | 0.35    | 78        | 11      | 176     |
| 2019-M10-S01 | 0.04    | 0.00    | 0.09    | 21        | 0       | 48      |
| 2019-M11-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0.04    | 0.00    | 0.12    | 21        | 0       | 60      |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.04    | 0.00    | 0.10    | 21        | 0       | 50      |

*Table 13-180: Great crested grebe density and abundance estimates at DEP + 4 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.04    | 0.00    | 0.09    | 20        | 0       | 45      |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-181: Great crested grebe density and abundance estimates at DEP + 4 km buffer by survey – birds in flight*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-182: Great crested grebe density and abundance estimates at DEP + 4 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.04    | 0.00    | 0.08    | 21        | 0       | 41      |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-183: Great skua density and abundance estimates at DEP + 4 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-184: Great skua density and abundance estimates at DEP + 4 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-185: Great skua density and abundance estimates at DEP + 4 km buffer by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-186: Guillemot density and abundance estimates at DEP + 4 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 2.52    | 1.88    | 3.31    | 1279      | 955     | 1680    |
| 2018-M06-S01 | 1.29    | 0.70    | 2.05    | 653       | 354     | 1041    |
| 2018-M07-S01 | 1.66    | 0.74    | 2.79    | 840       | 377     | 1416    |
| 2018-M08-S01 | 16.19   | 9.30    | 22.91   | 8214      | 4721    | 11623   |
| 2018-M09-S01 | 5.81    | 2.57    | 10.39   | 2948      | 1306    | 5271    |
| 2018-M10-S01 | 34.63   | 9.10    | 63.59   | 17574     | 4619    | 32265   |
| 2018-M11-S01 | 4.68    | 4.01    | 5.37    | 2373      | 2037    | 2726    |
| 2018-M12-S01 | 3.80    | 2.26    | 5.55    | 1927      | 1146    | 2816    |
| 2019-M01-S01 | 1.25    | 0.86    | 1.71    | 634       | 437     | 868     |
| 2019-M02-S01 | 1.16    | 0.76    | 1.58    | 587       | 387     | 803     |
| 2019-M03-S01 | 0.30    | 0.12    | 0.50    | 154       | 59      | 252     |
| 2019-M04-S01 | 1.84    | 1.13    | 2.55    | 933       | 571     | 1293    |
| 2019-M04-S02 | 3.29    | 2.19    | 4.58    | 1671      | 1113    | 2326    |
| 2019-M05-S01 | 3.46    | 2.52    | 4.45    | 1756      | 1281    | 2260    |
| 2019-M05-S02 | 0.39    | 0.19    | 0.61    | 197       | 98      | 312     |
| 2019-M06-S01 | 0.57    | 0.26    | 0.94    | 290       | 133     | 478     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M06-S02 | 0.44    | 0.25    | 0.63    | 223       | 128     | 319     |
| 2019-M07-S01 | 2.39    | 1.22    | 3.71    | 1214      | 620     | 1885    |
| 2019-M07-S02 | 1.09    | 0.28    | 2.14    | 555       | 144     | 1085    |
| 2019-M08-S01 | 0.64    | 0.18    | 1.26    | 327       | 91      | 638     |
| 2019-M08-S02 | 1.70    | 0.91    | 2.67    | 865       | 462     | 1355    |
| 2019-M09-S01 | 43.13   | 23.69   | 63.23   | 21886     | 12020   | 32082   |
| 2019-M10-S01 | 8.72    | 6.60    | 10.90   | 4426      | 3347    | 5530    |
| 2019-M11-S01 | 3.28    | 2.34    | 4.38    | 1666      | 1185    | 2223    |
| 2019-M12-S01 | 1.20    | 0.79    | 1.64    | 607       | 399     | 831     |
| 2020-M01-S01 | 1.30    | 0.78    | 1.84    | 661       | 396     | 934     |
| 2020-M02-S01 | 1.10    | 0.70    | 1.53    | 559       | 356     | 775     |
| 2020-M03-S01 | 3.12    | 2.27    | 3.97    | 1581      | 1152    | 2014    |
| 2020-M04-S01 | 18.39   | 11.03   | 27.93   | 9332      | 5599    | 14173   |

*Table 13-187: Guillemot density and abundance estimates at DEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.10    | 0.02    | 0.22    | 51        | 10      | 110     |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0.04    | 0.00    | 0.10    | 20        | 0       | 49      |
| 2018-M10-S01 | 0.26    | 0.04    | 0.59    | 134       | 20      | 298     |
| 2018-M11-S01 | 0.10    | 0.02    | 0.22    | 52        | 10      | 111     |
| 2018-M12-S01 | 0.06    | 0.00    | 0.14    | 31        | 0       | 69      |
| 2019-M01-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2019-M02-S01 | 0.11    | 0.00    | 0.30    | 54        | 0       | 150     |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.04    | 0.00    | 0.10    | 20        | 0       | 51      |
| 2019-M05-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0.04    | 0.00    | 0.13    | 22        | 0       | 67      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.04    | 0.00    | 0.10    | 20        | 0       | 52      |
| 2019-M10-S01 | 0.07    | 0.00    | 0.24    | 37        | 0       | 121     |
| 2019-M11-S01 | 0.04    | 0.00    | 0.09    | 21        | 0       | 48      |
| 2019-M12-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2020-M01-S01 | 0.04    | 0.00    | 0.10    | 21        | 0       | 50      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M02-S01 | 0.28    | 0.00    | 0.74    | 142       | 0       | 378     |
| 2020-M03-S01 | 0.20    | 0.09    | 0.32    | 101       | 45      | 162     |
| 2020-M04-S01 | 1.98    | 1.18    | 3.15    | 1006      | 598     | 1598    |

Table 13-188: Guillemot density and abundance estimates at DEP + 4 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 2.40    | 1.78    | 3.13    | 1217      | 904     | 1590    |
| 2018-M06-S01 | 1.21    | 0.72    | 1.85    | 613       | 363     | 937     |
| 2018-M07-S01 | 1.62    | 0.76    | 2.73    | 821       | 384     | 1385    |
| 2018-M08-S01 | 15.26   | 8.88    | 21.41   | 7736      | 4505    | 10866   |
| 2018-M09-S01 | 5.15    | 2.38    | 9.06    | 2610      | 1206    | 4595    |
| 2018-M10-S01 | 30.38   | 8.61    | 55.42   | 15398     | 4368    | 28123   |
| 2018-M11-S01 | 4.20    | 3.70    | 4.70    | 2127      | 1875    | 2387    |
| 2018-M12-S01 | 3.43    | 2.14    | 4.78    | 1738      | 1084    | 2424    |
| 2019-M01-S01 | 0.92    | 0.66    | 1.22    | 467       | 336     | 617     |
| 2019-M02-S01 | 0.90    | 0.68    | 1.10    | 456       | 344     | 557     |
| 2019-M03-S01 | 0.28    | 0.12    | 0.45    | 142       | 60      | 230     |
| 2019-M04-S01 | 1.67    | 1.09    | 2.20    | 845       | 553     | 1116    |
| 2019-M04-S02 | 3.15    | 2.15    | 4.36    | 1597      | 1092    | 2212    |
| 2019-M05-S01 | 3.40    | 2.52    | 4.39    | 1722      | 1279    | 2226    |
| 2019-M05-S02 | 0.38    | 0.19    | 0.59    | 194       | 95      | 299     |
| 2019-M06-S01 | 0.52    | 0.26    | 0.87    | 265       | 134     | 443     |
| 2019-M06-S02 | 0.44    | 0.26    | 0.63    | 224       | 130     | 322     |
| 2019-M07-S01 | 2.08    | 1.13    | 3.15    | 1056      | 572     | 1600    |
| 2019-M07-S02 | 1.05    | 0.30    | 2.07    | 534       | 150     | 1049    |
| 2019-M08-S01 | 0.62    | 0.17    | 1.17    | 314       | 85      | 593     |
| 2019-M08-S02 | 1.57    | 0.87    | 2.38    | 798       | 443     | 1206    |
| 2019-M09-S01 | 36.79   | 20.85   | 52.48   | 18644     | 10582   | 26631   |
| 2019-M10-S01 | 7.28    | 5.77    | 8.84    | 3691      | 2926    | 4488    |
| 2019-M11-S01 | 2.84    | 2.16    | 3.62    | 1438      | 1097    | 1838    |
| 2019-M12-S01 | 1.04    | 0.67    | 1.43    | 527       | 341     | 724     |
| 2020-M01-S01 | 1.08    | 0.74    | 1.42    | 547       | 376     | 721     |
| 2020-M02-S01 | 0.62    | 0.43    | 0.82    | 315       | 218     | 415     |
| 2020-M03-S01 | 2.56    | 1.96    | 3.12    | 1298      | 993     | 1585    |
| 2020-M04-S01 | 15.72   | 8.87    | 24.87   | 7965      | 4502    | 12621   |

Table 13-189: Herring gull density and abundance estimates at DEP + 4 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.07    | 0.00    | 0.15    | 34        | 0       | 77      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M02-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M03-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.06    | 0.00    | 0.14    | 30        | 0       | 70      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.03    | 0.00    | 0.07    | 13        | 0       | 38      |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.05    | 0.00    | 0.12    | 25        | 0       | 60      |

Table 13-190: Herring gull density and abundance estimates at DEP + 4 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.08    | 0.00    | 0.18    | 40        | 0       | 93      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2019-M02-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.06    | 0.00    | 0.13    | 30        | 0       | 68      |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.06    | 0.00    | 0.13    | 28        | 0       | 68      |

Table 13-191: Herring gull density and abundance estimates at DEP + 4 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M09-S01 | 0.02    | 0.00    | 0.07    | 11        | 0       | 33      |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-192: Kestrel density and abundance estimates at DEP + 4 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-193: Kestrel density and abundance estimates at DEP + 4 km buffer by survey – birds in flight**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-194: Kestrel density and abundance estimates at DEP + 4 km buffer by survey – birds on sea**

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-195: Kittiwake density and abundance estimates at DEP + 4 km buffer by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.34    | 0.67    | 2.15    | 682       | 340     | 1092    |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M06-S01 | 1.59    | 0.81    | 2.51    | 808       | 411     | 1275    |
| 2018-M07-S01 | 0.82    | 0.21    | 1.63    | 415       | 106     | 825     |
| 2018-M08-S01 | 3.87    | 1.52    | 6.34    | 1963      | 773     | 3215    |
| 2018-M09-S01 | 0.87    | 0.25    | 1.54    | 441       | 128     | 780     |
| 2018-M10-S01 | 5.10    | 0.67    | 11.30   | 2590      | 340     | 5733    |
| 2018-M11-S01 | 0.20    | 0.06    | 0.35    | 103       | 31      | 178     |
| 2018-M12-S01 | 0.24    | 0.07    | 0.44    | 122       | 37      | 225     |
| 2019-M01-S01 | 0.16    | 0.08    | 0.23    | 81        | 41      | 118     |
| 2019-M02-S01 | 0.29    | 0.08    | 0.54    | 146       | 39      | 275     |
| 2019-M03-S01 | 0.08    | 0.00    | 0.19    | 41        | 0       | 97      |
| 2019-M04-S01 | 1.59    | 0.79    | 2.48    | 806       | 402     | 1259    |
| 2019-M04-S02 | 1.82    | 1.04    | 2.70    | 924       | 529     | 1369    |
| 2019-M05-S01 | 0.91    | 0.35    | 1.61    | 463       | 177     | 818     |
| 2019-M05-S02 | 0.74    | 0.08    | 1.82    | 374       | 41      | 926     |
| 2019-M06-S01 | 0.30    | 0.00    | 0.79    | 150       | 0       | 400     |
| 2019-M06-S02 | 0.16    | 0.04    | 0.31    | 81        | 20      | 158     |
| 2019-M07-S01 | 0.34    | 0.15    | 0.57    | 173       | 76      | 290     |
| 2019-M07-S02 | 0.34    | 0.12    | 0.61    | 173       | 60      | 310     |
| 2019-M08-S01 | 0.06    | 0.00    | 0.13    | 30        | 0       | 67      |
| 2019-M08-S02 | 0.89    | 0.04    | 2.41    | 453       | 19      | 1224    |
| 2019-M09-S01 | 5.66    | 1.58    | 11.39   | 2870      | 803     | 5777    |
| 2019-M10-S01 | 0.23    | 0.06    | 0.45    | 116       | 31      | 230     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.14    | 0.04    | 0.26    | 69        | 19      | 130     |
| 2020-M01-S01 | 0.20    | 0.08    | 0.35    | 103       | 41      | 180     |
| 2020-M02-S01 | 0.32    | 0.16    | 0.50    | 163       | 79      | 254     |
| 2020-M03-S01 | 0.14    | 0.04    | 0.25    | 71        | 20      | 125     |
| 2020-M04-S01 | 7.19    | 4.78    | 10.13   | 3647      | 2426    | 5138    |

Table 13-196: Kittiwake density and abundance estimates at DEP + 4 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.45    | 0.18    | 0.78    | 228       | 90      | 394     |
| 2018-M06-S01 | 0.34    | 0.21    | 0.48    | 173       | 109     | 242     |
| 2018-M07-S01 | 0.22    | 0.04    | 0.47    | 112       | 19      | 239     |
| 2018-M08-S01 | 0.77    | 0.37    | 1.15    | 388       | 189     | 585     |
| 2018-M09-S01 | 0.36    | 0.12    | 0.61    | 183       | 61      | 312     |
| 2018-M10-S01 | 1.89    | 0.18    | 4.39    | 959       | 90      | 2227    |
| 2018-M11-S01 | 0.07    | 0.02    | 0.14    | 38        | 10      | 71      |
| 2018-M12-S01 | 0.18    | 0.04    | 0.33    | 92        | 21      | 165     |
| 2019-M01-S01 | 0.12    | 0.06    | 0.19    | 62        | 29      | 96      |
| 2019-M02-S01 | 0.16    | 0.04    | 0.31    | 82        | 20      | 156     |
| 2019-M03-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S01 | 0.86    | 0.43    | 1.45    | 436       | 217     | 735     |
| 2019-M04-S02 | 0.83    | 0.52    | 1.22    | 421       | 262     | 618     |
| 2019-M05-S01 | 0.23    | 0.02    | 0.59    | 117       | 9       | 300     |
| 2019-M05-S02 | 0.12    | 0.02    | 0.27    | 61        | 10      | 137     |
| 2019-M06-S01 | 0.04    | 0.00    | 0.12    | 20        | 0       | 61      |
| 2019-M06-S02 | 0.08    | 0.00    | 0.18    | 41        | 0       | 89      |
| 2019-M07-S01 | 0.20    | 0.10    | 0.31    | 102       | 49      | 155     |
| 2019-M07-S02 | 0.10    | 0.04    | 0.16    | 51        | 20      | 81      |
| 2019-M08-S01 | 0.04    | 0.00    | 0.10    | 20        | 0       | 51      |
| 2019-M08-S02 | 0.05    | 0.00    | 0.11    | 23        | 0       | 56      |
| 2019-M09-S01 | 1.32    | 0.74    | 1.96    | 669       | 373     | 994     |
| 2019-M10-S01 | 0.16    | 0.06    | 0.30    | 82        | 30      | 152     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.10    | 0.02    | 0.19    | 50        | 10      | 97      |
| 2020-M01-S01 | 0.12    | 0.04    | 0.22    | 61        | 20      | 111     |
| 2020-M02-S01 | 0.10    | 0.02    | 0.19    | 51        | 11      | 98      |
| 2020-M03-S01 | 0.14    | 0.04    | 0.25    | 72        | 20      | 126     |
| 2020-M04-S01 | 3.21    | 2.22    | 4.52    | 1629      | 1124    | 2295    |

Table 13-197: Kittiwake density and abundance estimates at DEP + 4 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.85    | 0.39    | 1.47    | 433       | 199     | 746     |
| 2018-M06-S01 | 1.19    | 0.59    | 1.87    | 601       | 299     | 950     |
| 2018-M07-S01 | 0.56    | 0.10    | 1.28    | 284       | 49      | 652     |
| 2018-M08-S01 | 3.03    | 1.06    | 5.11    | 1535      | 537     | 2592    |
| 2018-M09-S01 | 0.51    | 0.04    | 1.08    | 259       | 20      | 547     |
| 2018-M10-S01 | 3.09    | 0.42    | 6.59    | 1568      | 211     | 3342    |
| 2018-M11-S01 | 0.10    | 0.04    | 0.16    | 51        | 20      | 81      |
| 2018-M12-S01 | 0.04    | 0.00    | 0.12    | 21        | 0       | 61      |
| 2019-M01-S01 | 0.04    | 0.00    | 0.09    | 21        | 0       | 47      |
| 2019-M02-S01 | 0.12    | 0.04    | 0.23    | 61        | 19      | 117     |
| 2019-M03-S01 | 0.06    | 0.00    | 0.14    | 31        | 0       | 70      |
| 2019-M04-S01 | 0.68    | 0.22    | 1.30    | 344       | 112     | 661     |
| 2019-M04-S02 | 1.01    | 0.42    | 1.74    | 514       | 211     | 881     |
| 2019-M05-S01 | 0.54    | 0.23    | 0.85    | 272       | 117     | 431     |
| 2019-M05-S02 | 0.59    | 0.06    | 1.43    | 300       | 30      | 727     |
| 2019-M06-S01 | 0.20    | 0.02    | 0.54    | 103       | 9       | 274     |
| 2019-M06-S02 | 0.08    | 0.00    | 0.22    | 41        | 0       | 110     |
| 2019-M07-S01 | 0.14    | 0.00    | 0.28    | 71        | 0       | 141     |
| 2019-M07-S02 | 0.20    | 0.06    | 0.39    | 101       | 29      | 197     |
| 2019-M08-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2019-M08-S02 | 0.78    | 0.00    | 2.19    | 394       | 0       | 1112    |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M09-S01 | 4.25    | 0.74    | 9.48    | 2152      | 374     | 4809    |
| 2019-M10-S01 | 0.06    | 0.00    | 0.14    | 31        | 0       | 69      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2020-M01-S01 | 0.06    | 0.00    | 0.12    | 31        | 0       | 60      |
| 2020-M02-S01 | 0.16    | 0.06    | 0.27    | 81        | 30      | 138     |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 4.02    | 2.44    | 5.81    | 2039      | 1239    | 2949    |

*Table 13-198: Knot density and abundance estimates at DEP + 4 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.76    | 0.00    | 2.25    | 386       | 0       | 1141    |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-199: Knot density and abundance estimates at DEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.78    | 0.00    | 2.26    | 396       | 0       | 1149    |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-200: Knot density and abundance estimates at DEP + 4 km buffer by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-201: Lapwing density and abundance estimates at DEP + 4 km buffer by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-202: Lesser black-backed gull density and abundance estimates at DEP + 4 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0.08    | 0.00    | 0.21    | 42        | 0       | 109     |
| 2018-M07-S01 | 0.41    | 0.10    | 0.84    | 207       | 53      | 426     |
| 2018-M08-S01 | 0.10    | 0.02    | 0.22    | 52        | 10      | 111     |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.07    | 0.00    | 0.15    | 34        | 0       | 75      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2019-M04-S02 | 0.04    | 0.00    | 0.08    | 20        | 0       | 41      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 32      |
| 2019-M06-S01 | 0.04    | 0.00    | 0.13    | 21        | 0       | 65      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.08    | 0.00    | 0.16    | 41        | 0       | 81      |
| 2019-M07-S02 | 0.04    | 0.00    | 0.11    | 22        | 0       | 54      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.02    | 0.00    | 0.07    | 12        | 0       | 35      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.03    | 0.00    | 0.07    | 13        | 0       | 38      |

*Table 13-203: Lesser black-backed gull density and abundance estimates at DEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0.07    | 0.00    | 0.16    | 33        | 0       | 80      |
| 2018-M07-S01 | 0.06    | 0.00    | 0.14    | 30        | 0       | 70      |
| 2018-M08-S01 | 0.06    | 0.00    | 0.14    | 31        | 0       | 71      |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M04-S02 | 0.04    | 0.00    | 0.08    | 20        | 0       | 41      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0.04    | 0.00    | 0.09    | 21        | 0       | 46      |
| 2019-M07-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.07    | 12        | 0       | 34      |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.03    | 0.00    | 0.08    | 14        | 0       | 43      |

*Table 13-204: Lesser black-backed gull density and abundance estimates at DEP + 4 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2018-M07-S01 | 0.22    | 0.07    | 0.42    | 112       | 37      | 214     |
| 2018-M08-S01 | 0.04    | 0.00    | 0.10    | 21        | 0       | 49      |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.06    | 0.00    | 0.14    | 31        | 0       | 69      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2019-M06-S01 | 0.04    | 0.00    | 0.12    | 21        | 0       | 61      |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S01 | 0.04    | 0.00    | 0.10    | 21        | 0       | 49      |
| 2019-M07-S02 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-205: Little gull density and abundance estimates at DEP + 4 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 1.94    | 0.46    | 4.15    | 982       | 232     | 2106    |
| 2018-M11-S01 | 0.08    | 0.00    | 0.17    | 40        | 0       | 85      |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.07    | 12        | 0       | 34      |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 2.35    | 1.53    | 3.30    | 1194      | 777     | 1673    |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M04-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |

*Table 13-206: Little gull density and abundance estimates at DEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 1.26    | 0.42    | 2.36    | 637       | 213     | 1197    |
| 2018-M11-S01 | 0.07    | 0.00    | 0.15    | 36        | 0       | 77      |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.07    | 12        | 0       | 35      |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 1.77    | 1.06    | 2.59    | 898       | 539     | 1314    |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-207: Little gull density and abundance estimates at DEP + 4 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.61    | 0.04    | 1.62    | 311       | 21      | 820     |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.52    | 0.31    | 0.73    | 264       | 158     | 371     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |

Table 13-208: Long-tailed duck density and abundance estimates at DEP + 4 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M05-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-209: Long-tailed duck density and abundance estimates at DEP + 4 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-210: Long-tailed duck density and abundance estimates at DEP + 4 km buffer by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-211: Manx shearwater density and abundance estimates at DEP + 4 buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.13    | 0.00    | 0.38    | 67        | 0       | 194     |
| 2019-M10-S01 | 0.02    | 0.00    | 0.07    | 12        | 0       | 34      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-212: Manx shearwater density and abundance estimates at DEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.02    | 0.00    | 0.07    | 12        | 0       | 38      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-213: Manx shearwater density and abundance estimates at DEP + 4 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.13    | 0.00    | 0.38    | 66        | 0       | 193     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-214: Oystercatcher density and abundance estimates at DEP + 4 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-215: Pomarine skua density and abundance estimates at DEP + 4 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-216: Puffin density and abundance estimates at DEP + 4 km buffer by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.06    | 0.00    | 0.15    | 32        | 0       | 76      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.04    | 0.00    | 0.09    | 22        | 0       | 44      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0.05    | 0.00    | 0.09    | 23        | 0       | 45      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.04    | 0.00    | 0.10    | 21        | 0       | 50      |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-217: Puffin density and abundance estimates at DEP + 4 km buffer by survey – birds in flight**

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-218: Puffin density and abundance estimates at DEP + 4 km buffer by survey – birds on sea**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.06    | 0.00    | 0.14    | 31        | 0       | 72      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.04    | 0.00    | 0.08    | 21        | 0       | 41      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0.04    | 0.00    | 0.08    | 21        | 0       | 41      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.04    | 0.00    | 0.09    | 21        | 0       | 47      |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-219: Razorbill density and abundance estimates at DEP + 4 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.06    | 0.00    | 0.15    | 31        | 0       | 76      |
| 2018-M06-S01 | 0.02    | 0.00    | 0.07    | 11        | 0       | 35      |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 1.20    | 0.51    | 1.98    | 611       | 257     | 1007    |
| 2018-M09-S01 | 0.16    | 0.04    | 0.31    | 79        | 21      | 157     |
| 2018-M10-S01 | 13.07   | 4.43    | 24.18   | 6632      | 2250    | 12270   |
| 2018-M11-S01 | 3.11    | 2.10    | 4.33    | 1578      | 1068    | 2196    |
| 2018-M12-S01 | 1.24    | 0.76    | 1.79    | 628       | 387     | 908     |
| 2019-M01-S01 | 0.21    | 0.09    | 0.37    | 108       | 45      | 189     |
| 2019-M02-S01 | 1.18    | 0.56    | 1.93    | 597       | 285     | 981     |
| 2019-M03-S01 | 0.49    | 0.12    | 0.95    | 251       | 63      | 480     |
| 2019-M04-S01 | 0.40    | 0.20    | 0.64    | 205       | 99      | 323     |
| 2019-M04-S02 | 0.23    | 0.08    | 0.40    | 116       | 42      | 203     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M05-S01 | 0.39    | 0.20    | 0.61    | 197       | 100     | 309     |
| 2019-M05-S02 | 0.27    | 0.04    | 0.61    | 135       | 19      | 308     |
| 2019-M06-S01 | 0.19    | 0.00    | 0.55    | 96        | 0       | 277     |
| 2019-M06-S02 | 0.08    | 0.00    | 0.20    | 41        | 0       | 100     |
| 2019-M07-S01 | 0.23    | 0.00    | 0.57    | 118       | 0       | 287     |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.07    | 12        | 0       | 35      |
| 2019-M09-S01 | 12.63   | 6.14    | 19.81   | 6410      | 3114    | 10054   |
| 2019-M10-S01 | 6.48    | 4.51    | 8.94    | 3290      | 2291    | 4535    |
| 2019-M11-S01 | 1.31    | 0.71    | 2.01    | 664       | 362     | 1019    |
| 2019-M12-S01 | 1.98    | 0.97    | 2.98    | 1005      | 494     | 1510    |
| 2020-M01-S01 | 0.09    | 0.00    | 0.24    | 47        | 0       | 123     |
| 2020-M02-S01 | 0.80    | 0.40    | 1.25    | 407       | 203     | 634     |
| 2020-M03-S01 | 0.57    | 0.19    | 1.12    | 288       | 96      | 567     |
| 2020-M04-S01 | 7.32    | 3.34    | 12.05   | 3716      | 1694    | 6114    |

Table 13-220: Razorbill density and abundance estimates at DEP + 4 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.14    | 0.00    | 0.32    | 71        | 0       | 164     |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0.04    | 0.00    | 0.12    | 21        | 0       | 61      |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M05-S01 | 0.04    | 0.00    | 0.12    | 20        | 0       | 60      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.44    | 0.14    | 0.76    | 224       | 71      | 386     |
| 2019-M11-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.11    | 0.00    | 0.31    | 57        | 0       | 155     |
| 2020-M03-S01 | 0.19    | 0.00    | 0.54    | 95        | 0       | 273     |
| 2020-M04-S01 | 0.68    | 0.28    | 1.15    | 347       | 141     | 585     |

Table 13-221: Razorbill density and abundance estimates at DEP + 4 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.06    | 0.00    | 0.15    | 31        | 0       | 76      |
| 2018-M06-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 1.15    | 0.51    | 1.86    | 582       | 258     | 946     |
| 2018-M09-S01 | 0.14    | 0.04    | 0.27    | 72        | 20      | 139     |
| 2018-M10-S01 | 11.48   | 3.98    | 20.82   | 5820      | 2022    | 10565   |
| 2018-M11-S01 | 2.86    | 2.01    | 3.86    | 1449      | 1021    | 1958    |
| 2018-M12-S01 | 1.14    | 0.75    | 1.57    | 580       | 383     | 799     |
| 2019-M01-S01 | 0.16    | 0.04    | 0.27    | 81        | 21      | 137     |
| 2019-M02-S01 | 1.02    | 0.53    | 1.64    | 516       | 267     | 830     |
| 2019-M03-S01 | 0.42    | 0.09    | 0.83    | 213       | 48      | 420     |
| 2019-M04-S01 | 0.36    | 0.19    | 0.55    | 185       | 97      | 278     |
| 2019-M04-S02 | 0.20    | 0.08    | 0.35    | 102       | 39      | 180     |
| 2019-M05-S01 | 0.34    | 0.19    | 0.50    | 174       | 98      | 254     |
| 2019-M05-S02 | 0.26    | 0.04    | 0.58    | 131       | 20      | 294     |
| 2019-M06-S01 | 0.18    | 0.00    | 0.50    | 92        | 0       | 253     |
| 2019-M06-S02 | 0.08    | 0.00    | 0.20    | 41        | 0       | 100     |
| 2019-M07-S01 | 0.20    | 0.00    | 0.47    | 101       | 0       | 241     |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2019-M09-S01 | 10.75   | 5.29    | 16.44   | 5450      | 2686    | 8342    |
| 2019-M10-S01 | 5.23    | 3.71    | 7.01    | 2651      | 1884    | 3555    |
| 2019-M11-S01 | 1.12    | 0.64    | 1.66    | 569       | 327     | 844     |
| 2019-M12-S01 | 1.76    | 0.88    | 2.62    | 893       | 449     | 1327    |
| 2020-M01-S01 | 0.08    | 0.00    | 0.19    | 41        | 0       | 95      |
| 2020-M02-S01 | 0.52    | 0.27    | 0.78    | 264       | 139     | 396     |
| 2020-M03-S01 | 0.32    | 0.16    | 0.48    | 163       | 83      | 242     |
| 2020-M04-S01 | 6.32    | 2.72    | 10.76   | 3205      | 1380    | 5461    |

*Table 13-222: Red-throated diver density and abundance estimates at DEP + 4 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.04    | 0.00    | 0.12    | 20        | 0       | 60      |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2019-M01-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2019-M02-S01 | 0.06    | 0.00    | 0.13    | 30        | 0       | 65      |
| 2019-M03-S01 | 0.06    | 0.00    | 0.13    | 30        | 0       | 67      |
| 2019-M04-S01 | 0.12    | 0.04    | 0.21    | 61        | 21      | 107     |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.20    | 0.04    | 0.43    | 100       | 21      | 217     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0.04    | 0.00    | 0.12    | 21        | 0       | 62      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0.04    | 0.00    | 0.12    | 22        | 0       | 61      |
| 2020-M03-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 31      |
| 2020-M04-S01 | 0.08    | 0.02    | 0.14    | 41        | 10      | 71      |

*Table 13-223: Red-throated diver density and abundance estimates at DEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 32      |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-224: Red-throated diver density and abundance estimates at DEP + 4 km buffer by survey – birds on sea

| Survey ID    | Density |      |      | Abundance |    |     |
|--------------|---------|------|------|-----------|----|-----|
|              | 0.04    | 0.00 | 0.12 | 21        | 0  | 60  |
| 2018-M05-S01 | 0.04    | 0.00 | 0.12 | 21        | 0  | 60  |
| 2018-M06-S01 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2018-M07-S01 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2018-M08-S01 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2018-M09-S01 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2018-M10-S01 | 0.02    | 0.00 | 0.06 | 11        | 0  | 30  |
| 2018-M11-S01 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2018-M12-S01 | 0.02    | 0.00 | 0.06 | 11        | 0  | 30  |
| 2019-M01-S01 | 0.02    | 0.00 | 0.06 | 11        | 0  | 31  |
| 2019-M02-S01 | 0.06    | 0.00 | 0.13 | 31        | 0  | 64  |
| 2019-M03-S01 | 0.06    | 0.00 | 0.13 | 31        | 0  | 68  |
| 2019-M04-S01 | 0.12    | 0.04 | 0.21 | 61        | 20 | 106 |
| 2019-M04-S02 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2019-M05-S01 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2019-M05-S02 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2019-M06-S01 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2019-M06-S02 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2019-M07-S01 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2019-M07-S02 | 0       | 0    | 0    | 0         | 0  | 0   |

| Survey ID    | Density |      |      | Abundance |    |     |
|--------------|---------|------|------|-----------|----|-----|
|              | 0.04    | 0.00 | 0.12 | 21        | 0  | 60  |
| 2019-M08-S01 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2019-M08-S02 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2019-M09-S01 | 0.15    | 0.04 | 0.30 | 78        | 21 | 153 |
| 2019-M10-S01 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2019-M11-S01 | 0.04    | 0.00 | 0.12 | 21        | 0  | 61  |
| 2019-M12-S01 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2020-M01-S01 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2020-M02-S01 | 0.02    | 0.00 | 0.06 | 10        | 0  | 31  |
| 2020-M03-S01 | 0       | 0    | 0    | 0         | 0  | 0   |
| 2020-M04-S01 | 0.08    | 0.02 | 0.14 | 41        | 10 | 71  |

Table 13-225: Sandwich tern density and abundance estimates at DEP + 4 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.24    | 0.77    | 1.79    | 629       | 390     | 907     |
| 2018-M06-S01 | 0.20    | 0.06    | 0.39    | 101       | 30      | 199     |
| 2018-M07-S01 | 2.01    | 0.90    | 3.30    | 1020      | 457     | 1676    |
| 2018-M08-S01 | 0.22    | 0.06    | 0.40    | 112       | 31      | 204     |
| 2018-M09-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.47    | 0.06    | 1.12    | 241       | 29      | 568     |
| 2019-M04-S02 | 1.21    | 0.36    | 2.27    | 614       | 184     | 1150    |
| 2019-M05-S01 | 0.92    | 0.50    | 1.35    | 467       | 253     | 687     |
| 2019-M05-S02 | 0.40    | 0.15    | 0.74    | 205       | 75      | 373     |
| 2019-M06-S01 | 0.35    | 0.08    | 0.83    | 180       | 40      | 422     |
| 2019-M06-S02 | 0.91    | 0.30    | 1.72    | 462       | 150     | 873     |
| 2019-M07-S01 | 0.16    | 0.04    | 0.31    | 81        | 19      | 157     |
| 2019-M07-S02 | 0.20    | 0.04    | 0.38    | 101       | 20      | 193     |
| 2019-M08-S01 | 0.14    | 0.06    | 0.27    | 71        | 29      | 136     |
| 2019-M08-S02 | 0.06    | 0.00    | 0.14    | 29        | 0       | 69      |
| 2019-M09-S01 | 0.22    | 0.00    | 0.61    | 111       | 0       | 312     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-226: Sandwich tern density and abundance estimates at DEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.24    | 0.80    | 1.77    | 629       | 408     | 898     |
| 2018-M06-S01 | 0.20    | 0.06    | 0.40    | 101       | 30      | 201     |
| 2018-M07-S01 | 1.99    | 0.88    | 3.28    | 1010      | 449     | 1663    |
| 2018-M08-S01 | 0.22    | 0.06    | 0.39    | 112       | 31      | 200     |
| 2018-M09-S01 | 0.02    | 0.00    | 0.06    | 10        | 0       | 30      |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.45    | 0.05    | 1.08    | 229       | 27      | 548     |
| 2019-M04-S02 | 1.17    | 0.41    | 2.09    | 593       | 208     | 1059    |
| 2019-M05-S01 | 0.88    | 0.49    | 1.30    | 446       | 248     | 660     |
| 2019-M05-S02 | 0.41    | 0.16    | 0.73    | 206       | 80      | 370     |
| 2019-M06-S01 | 0.35    | 0.08    | 0.83    | 177       | 39      | 423     |
| 2019-M06-S02 | 0.89    | 0.30    | 1.76    | 453       | 150     | 892     |
| 2019-M07-S01 | 0.16    | 0.02    | 0.29    | 81        | 11      | 146     |
| 2019-M07-S02 | 0.20    | 0.04    | 0.41    | 101       | 20      | 206     |
| 2019-M08-S01 | 0.14    | 0.06    | 0.27    | 71        | 29      | 137     |
| 2019-M08-S02 | 0.06    | 0.00    | 0.14    | 29        | 0       | 70      |
| 2019-M09-S01 | 0.20    | 0.00    | 0.57    | 99        | 0       | 290     |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-227: Sandwich tern density and abundance estimates at DEP + 4 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0.02    | 0.00    | 0.06    | 11        | 0       | 30      |
| 2019-M04-S02 | 0.02    | 0.00    | 0.06    | 11        | 0       | 31      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-228: Shag density and abundance estimates at DEP + 4 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-229: Tufted duck density and abundance estimates at DEP + 4 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-230: Woodpigeon density and abundance estimates at DEP + 4 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

### 13.1.6.4 SEP

*Table 13-231: Arctic skua density and abundance estimates at SEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-232: Arctic tern density and abundance estimates at SEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-233: Black-headed gull density and abundance estimates at SEP by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.54    | 0.00    | 1.29    | 50        | 0       | 120     |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-234: Black-headed gull density and abundance estimates at SEP by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0.55    | 0.00    | 1.26    | 51        | 0       | 117     |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-235: Black-headed gull density and abundance estimates at SEP by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-236: Common gull density and abundance estimates at SEP by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0.11    | 0.00    | 0.33    | 10        | 0       | 31      |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0.11    | 0.00    | 0.30    | 10        | 0       | 28      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0.23    | 0.00    | 0.65    | 21        | 0       | 60      |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-237: Common gull density and abundance estimates at SEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0.11    | 0.00    | 0.33    | 10        | 0       | 31      |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0.10    | 0.00    | 0.31    | 9         | 0       | 29      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0.11    | 0.00    | 0.32    | 11        | 0       | 30      |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 31-238: Common gull density and abundance estimates at SEP by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-239: Common scoter density and abundance estimates at SEP by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-240: Common tern density and abundance estimates at SEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0.45    | 0.00    | 1.28    | 42        | 0       | 119     |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.23    | 0.00    | 0.60    | 21        | 0       | 56      |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-241: Common tern density and abundance estimates at SEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0.44    | 0.00    | 1.27    | 41        | 0       | 118     |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.23    | 0.00    | 0.61    | 21        | 0       | 57      |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-242: Common tern density and abundance estimates at SEP by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-243: Cormorant density and abundance estimates at SEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-244: Fulmar density and abundance estimates at SEP by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0.11    | 0.00    | 0.33    | 10        | 0       | 31      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-245: Fulmar density and abundance estimates at SEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0.11    | 0.00    | 0.32    | 10        | 0       | 30      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-246: Fulmar density and abundance estimates at SEP by survey – birds on sea**

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-247: Gannet density and abundance estimates at SEP by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 2.27    | 1.70    | 2.87    | 211       | 158     | 266     |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.11    | 0.00    | 0.31    | 10        | 0       | 29      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0.10    | 0.00    | 0.30    | 10        | 0       | 28      |
| 2019-M08-S02 | 0.11    | 0.00    | 0.31    | 10        | 0       | 29      |
| 2019-M09-S01 | 0.11    | 0.00    | 0.32    | 10        | 0       | 30      |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0.76    | 0.29    | 1.27    | 70        | 27      | 118     |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-248: Gannet density and abundance estimates at SEP by survey – birds in flight**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0.54    | 0.20    | 0.92    | 50        | 19      | 85      |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0.11    | 0.00    | 0.31    | 10        | 0       | 29      |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0.11    | 0.00    | 0.33    | 11        | 0       | 31      |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0.22    | 0.00    | 0.51    | 20        | 0       | 47      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-249: Gannet density and abundance estimates at SEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 1.73    | 1.28    | 2.23    | 160       | 119     | 207     |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0.11    | 0.00    | 0.31    | 11        | 0       | 29      |
| 2019-M08-S02 | 0.11    | 0.00    | 0.31    | 11        | 0       | 29      |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0.54    | 0.20    | 0.92    | 50        | 19      | 85      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-250: Golden plover density and abundance estimates at SEP by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-251: Great black-backed gull density and abundance estimates at SEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.22    | 0.00    | 0.51    | 20        | 0       | 47      |
| 2018-M11-S01 | 0.32    | 0.00    | 0.91    | 30        | 0       | 84      |
| 2018-M12-S01 | 1.21    | 0.00    | 3.18    | 112       | 0       | 295     |
| 2019-M01-S01 | 0.11    | 0.00    | 0.31    | 11        | 0       | 29      |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0.11    | 0.00    | 0.32    | 10        | 0       | 30      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0.22    | 0.00    | 0.43    | 20        | 0       | 40      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-252: Great black-backed gull density and abundance estimates at SEP by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.10    | 0.00    | 0.32    | 10        | 0       | 30      |
| 2018-M11-S01 | 0.11    | 0.00    | 0.31    | 10        | 0       | 29      |
| 2018-M12-S01 | 1.14    | 0.00    | 3.49    | 106       | 0       | 324     |
| 2019-M01-S01 | 0.11    | 0.00    | 0.31    | 11        | 0       | 29      |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0.21    | 0.00    | 0.42    | 19        | 0       | 39      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-253: Great black-backed gull density and abundance estimates at SEP by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.11    | 0.00    | 0.32    | 10        | 0       | 30      |
| 2018-M11-S01 | 0.22    | 0.00    | 0.61    | 20        | 0       | 57      |
| 2018-M12-S01 | 0.11    | 0.00    | 0.31    | 10        | 0       | 29      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0.11    | 0.00    | 0.31    | 10        | 0       | 29      |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-254: Great crested grebe density and abundance estimates at SEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-255: Great skua density and abundance estimates at SEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-256: Guillemot density and abundance estimates at SEP by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.19    | 0.70    | 1.75    | 110       | 65      | 162     |
| 2018-M06-S01 | 0.30    | 0.00    | 0.69    | 28        | 0       | 64      |
| 2018-M07-S01 | 0.33    | 0.00    | 0.78    | 31        | 0       | 72      |
| 2018-M08-S01 | 0.76    | 0.00    | 1.69    | 70        | 0       | 157     |
| 2018-M09-S01 | 0.30    | 0.00    | 0.69    | 28        | 0       | 64      |
| 2018-M10-S01 | 4.11    | 2.72    | 5.66    | 381       | 252     | 525     |
| 2018-M11-S01 | 3.58    | 2.05    | 5.77    | 332       | 190     | 535     |
| 2018-M12-S01 | 1.16    | 0.56    | 1.83    | 108       | 52      | 170     |
| 2019-M01-S01 | 0.43    | 0.10    | 0.87    | 41        | 9       | 81      |
| 2019-M02-S01 | 1.30    | 0.61    | 2.10    | 121       | 57      | 195     |
| 2019-M03-S01 | 0.11    | 0.00    | 0.31    | 11        | 0       | 29      |
| 2019-M04-S01 | 0.24    | 0.00    | 0.65    | 22        | 0       | 60      |
| 2019-M04-S02 | 0.99    | 0.46    | 1.58    | 92        | 43      | 147     |
| 2019-M05-S01 | 2.15    | 0.43    | 4.28    | 199       | 40      | 397     |
| 2019-M05-S02 | 0.11    | 0.00    | 0.32    | 10        | 0       | 30      |
| 2019-M06-S01 | 0.21    | 0.00    | 0.47    | 19        | 0       | 44      |
| 2019-M06-S02 | 0.22    | 0.00    | 0.64    | 20        | 0       | 59      |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0.21    | 0.00    | 0.63    | 20        | 0       | 58      |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 2.68    | 1.35    | 4.32    | 249       | 125     | 401     |
| 2019-M10-S01 | 4.28    | 1.07    | 8.78    | 397       | 99      | 814     |
| 2019-M11-S01 | 1.89    | 1.46    | 2.34    | 175       | 135     | 217     |
| 2019-M12-S01 | 1.58    | 0.73    | 2.60    | 147       | 68      | 241     |
| 2020-M01-S01 | 0.22    | 0.00    | 0.61    | 20        | 0       | 57      |
| 2020-M02-S01 | 0.45    | 0.00    | 1.14    | 42        | 0       | 106     |
| 2020-M03-S01 | 5.76    | 1.07    | 13.58   | 534       | 99      | 1260    |
| 2020-M04-S01 | 3.26    | 1.98    | 4.35    | 302       | 184     | 403     |

*Table 13-257: Guillemot density and abundance estimates at SEP by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.11    | 0.00    | 0.32    | 10        | 0       | 30      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0.17    | 0.00    | 0.47    | 16        | 0       | 44      |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.22    | 0.00    | 0.47    | 21        | 0       | 44      |

Table 13-258: Guillemot density and abundance estimates at SEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.18    | 0.70    | 1.75    | 109       | 65      | 162     |
| 2018-M06-S01 | 0.30    | 0.00    | 0.69    | 28        | 0       | 64      |
| 2018-M07-S01 | 0.32    | 0.00    | 0.81    | 31        | 0       | 75      |
| 2018-M08-S01 | 0.75    | 0.00    | 1.71    | 70        | 0       | 159     |
| 2018-M09-S01 | 0.32    | 0.00    | 0.82    | 30        | 0       | 76      |
| 2018-M10-S01 | 3.98    | 2.60    | 5.55    | 369       | 241     | 515     |
| 2018-M11-S01 | 3.57    | 2.05    | 5.78    | 331       | 190     | 536     |
| 2018-M12-S01 | 1.16    | 0.59    | 1.84    | 108       | 55      | 171     |
| 2019-M01-S01 | 0.44    | 0.10    | 0.88    | 41        | 9       | 82      |
| 2019-M02-S01 | 1.29    | 0.61    | 2.09    | 120       | 57      | 194     |
| 2019-M03-S01 | 0.11    | 0.00    | 0.31    | 11        | 0       | 29      |
| 2019-M04-S01 | 0.23    | 0.00    | 0.65    | 21        | 0       | 60      |
| 2019-M04-S02 | 0.98    | 0.43    | 1.56    | 91        | 40      | 145     |
| 2019-M05-S01 | 2.15    | 0.44    | 4.18    | 199       | 41      | 388     |
| 2019-M05-S02 | 0.11    | 0.00    | 0.31    | 10        | 0       | 29      |
| 2019-M06-S01 | 0.22    | 0.00    | 0.46    | 20        | 0       | 43      |
| 2019-M06-S02 | 0.22    | 0.00    | 0.64    | 21        | 0       | 59      |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0.22    | 0.00    | 0.63    | 20        | 0       | 58      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 2.72    | 1.38    | 4.32    | 252       | 128     | 401     |
| 2019-M10-S01 | 4.29    | 1.07    | 8.83    | 398       | 99      | 819     |
| 2019-M11-S01 | 1.73    | 1.40    | 2.01    | 161       | 130     | 186     |
| 2019-M12-S01 | 1.57    | 0.74    | 2.61    | 146       | 69      | 242     |
| 2020-M01-S01 | 0.23    | 0.00    | 0.63    | 21        | 0       | 58      |
| 2020-M02-S01 | 0.44    | 0.00    | 1.12    | 41        | 0       | 104     |
| 2020-M03-S01 | 5.75    | 1.08    | 13.74   | 533       | 100     | 1274    |
| 2020-M04-S01 | 3.09    | 1.82    | 4.20    | 287       | 169     | 390     |

Table 13-259: Herring gull density and abundance estimates at SEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.21    | 0.00    | 0.61    | 19        | 0       | 57      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-260: Herring gull density and abundance estimates at SEP by survey – birds in flight**

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-261: Herring gull density and abundance estimates at SEP by survey – birds on sea**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.21    | 0.00    | 0.60    | 19        | 0       | 56      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-262: Kestrel density and abundance estimates at SEP by survey – all birds**

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-263: Kittiwake density and abundance estimates at SEP by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.15    | 0.00    | 0.43    | 14        | 0       | 40      |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.40    | 0.00    | 0.82    | 37        | 0       | 76      |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.11    | 0.00    | 0.31    | 10        | 0       | 29      |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.11    | 0.00    | 0.31    | 10        | 0       | 29      |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.21    | 0.00    | 0.60    | 19        | 0       | 56      |
| 2019-M09-S01 | 0.54    | 0.00    | 1.56    | 50        | 0       | 145     |
| 2019-M10-S01 | 0.11    | 0.00    | 0.32    | 10        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.43    | 0.00    | 0.97    | 40        | 0       | 90      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 1.62    | 0.31    | 3.55    | 150       | 29      | 329     |

**Table 13-264: Kittiwake density and abundance estimates at SEP by survey – birds in flight**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.25    | 0.00    | 0.54    | 23        | 0       | 50      |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.11    | 0.00    | 0.30    | 10        | 0       | 28      |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.43    | 0.00    | 1.21    | 40        | 0       | 112     |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.32    | 0.00    | 0.91    | 30        | 0       | 84      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.54    | 0.23    | 0.86    | 51        | 21      | 80      |

Table 13-265: Kittiwake density and abundance estimates at SEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.15    | 0.00    | 0.44    | 14        | 0       | 41      |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.11    | 0.00    | 0.31    | 10        | 0       | 29      |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.21    | 0.00    | 0.60    | 20        | 0       | 56      |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M09-S01 | 0.11    | 0.00    | 0.31    | 10        | 0       | 29      |
| 2019-M10-S01 | 0.11    | 0.00    | 0.31    | 10        | 0       | 29      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.11    | 0.00    | 0.31    | 10        | 0       | 29      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 1.08    | 0.00    | 2.65    | 100       | 0       | 246     |

Table 13-266: Knot density and abundance estimates at SEP by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-267: Lapwing density and abundance estimates at SEP by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-268: Lesser black-backed gull density and abundance estimates at SEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.11    | 0.00    | 0.32    | 10        | 0       | 30      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.21    | 0.00    | 0.60    | 19        | 0       | 56      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-269: Lesser black-backed gull density and abundance estimates at SEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.11    | 0.00    | 0.31    | 10        | 0       | 29      |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.11    | 0.00    | 0.31    | 10        | 0       | 29      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

**Table 13-270: Lesser black-backed gull density and abundance estimates at SEP by survey – birds on sea**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.11    | 0.00    | 0.30    | 11        | 0       | 28      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

**Table 13-271: Little gull density and abundance estimates at SEP by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 1.13    | 0.32    | 2.05    | 105       | 30      | 190     |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.22    | 0.00    | 0.47    | 20        | 0       | 44      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-272: Little gull density and abundance estimates at SEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0.60    | 0.22    | 1.02    | 56        | 20      | 95      |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.11    | 0.00    | 0.30    | 10        | 0       | 28      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-273: Little gull density and abundance estimates at SEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0.65    | 0.00    | 1.58    | 60        | 0       | 147     |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.11    | 0.00    | 0.32    | 10        | 0       | 30      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-274: Long-tailed duck density and abundance estimates at SEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-275: Manx shearwater density and abundance estimates at SEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-276: Oystercatcher density and abundance estimates at SEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-277: Pomarine skua density and abundance estimates at SEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-278: Puffin density and abundance estimates at SEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-279: Razorbill density and abundance estimates at SEP by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.16    | 0.00    | 0.44    | 15        | 0       | 41      |
| 2018-M10-S01 | 3.59    | 1.30    | 6.29    | 333       | 121     | 583     |
| 2018-M11-S01 | 3.55    | 1.05    | 6.56    | 329       | 97      | 608     |
| 2018-M12-S01 | 0.39    | 0.00    | 0.94    | 36        | 0       | 87      |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.32    | 0.00    | 0.67    | 30        | 0       | 62      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.58    | 0.00    | 1.67    | 54        | 0       | 155     |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.89    | 0.14    | 1.65    | 83        | 13      | 153     |
| 2019-M10-S01 | 2.59    | 0.92    | 4.20    | 240       | 85      | 390     |
| 2019-M11-S01 | 1.98    | 0.53    | 3.42    | 184       | 49      | 317     |
| 2019-M12-S01 | 1.58    | 0.00    | 3.30    | 147       | 0       | 306     |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 1.35    | 0.00    | 3.51    | 125       | 0       | 326     |
| 2020-M04-S01 | 2.16    | 1.35    | 3.08    | 200       | 125     | 286     |

Table 13-280: Razorbill density and abundance estimates at SEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.11    | 0.00    | 0.30    | 10        | 0       | 28      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.11    | 0.00    | 0.30    | 11        | 0       | 28      |
| 2019-M10-S01 | 0.33    | 0.00    | 0.97    | 31        | 0       | 90      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M11-S01 | 0.17    | 0.00    | 0.47    | 16        | 0       | 44      |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.10    | 0.00    | 0.31    | 10        | 0       | 29      |

Table 13-281: Razorbill density and abundance estimates at SEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 3.59    | 1.32    | 6.18    | 333       | 122     | 573     |
| 2018-M11-S01 | 3.59    | 1.04    | 6.45    | 333       | 96      | 598     |
| 2018-M12-S01 | 0.39    | 0.00    | 0.95    | 36        | 0       | 88      |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.33    | 0.00    | 0.68    | 31        | 0       | 63      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.58    | 0.00    | 1.67    | 54        | 0       | 155     |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.79    | 0.00    | 1.60    | 73        | 0       | 148     |
| 2019-M10-S01 | 2.21    | 0.56    | 3.89    | 205       | 52      | 361     |
| 2019-M11-S01 | 1.80    | 0.49    | 3.07    | 168       | 45      | 285     |
| 2019-M12-S01 | 1.57    | 0.00    | 3.28    | 146       | 0       | 304     |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 1.37    | 0.00    | 3.55    | 127       | 0       | 329     |
| 2020-M04-S01 | 2.12    | 1.30    | 3.00    | 197       | 121     | 278     |



**Table 13-282: Red-throated diver density and abundance estimates at SEP by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.11    | 0.00    | 0.32    | 10        | 0       | 30      |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 1.51    | 0.00    | 4.32    | 141       | 0       | 401     |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.22    | 0.00    | 0.49    | 20        | 0       | 45      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.11    | 0.00    | 0.32    | 10        | 0       | 30      |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.11    | 0.00    | 0.33    | 10        | 0       | 31      |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

**Table 13-283: Red-throated diver density and abundance estimates at SEP by survey – birds in flight**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.11    | 0.00    | 0.33    | 10        | 0       | 31      |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-284: Red-throated diver density and abundance estimates at SEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.10    | 0.00    | 0.32    | 9         | 0       | 30      |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 1.54    | 0.00    | 4.32    | 143       | 0       | 401     |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.22    | 0.00    | 0.49    | 20        | 0       | 45      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.11    | 0.00    | 0.32    | 10        | 0       | 30      |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-285: Sandwich tern density and abundance estimates at SEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.75    | 0.10    | 1.48    | 70        | 9       | 137     |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 1.09    | 0.31    | 2.15    | 102       | 29      | 199     |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.55    | 0.22    | 0.85    | 51        | 20      | 79      |
| 2019-M06-S01 | 0.21    | 0.00    | 0.63    | 19        | 0       | 58      |
| 2019-M06-S02 | 0.21    | 0.00    | 0.50    | 19        | 0       | 46      |
| 2019-M07-S01 | 0.22    | 0.00    | 0.44    | 20        | 0       | 41      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.11    | 0.00    | 0.32    | 11        | 0       | 30      |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

**Table 13-286: Sandwich tern density and abundance estimates at SEP by survey – birds in flight**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.76    | 0.11    | 1.48    | 70        | 10      | 137     |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 1.08    | 0.31    | 2.15    | 101       | 29      | 199     |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.53    | 0.22    | 0.85    | 49        | 20      | 79      |
| 2019-M06-S01 | 0.22    | 0.00    | 0.64    | 21        | 0       | 59      |
| 2019-M06-S02 | 0.22    | 0.00    | 0.49    | 21        | 0       | 45      |
| 2019-M07-S01 | 0.21    | 0.00    | 0.43    | 20        | 0       | 40      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.11    | 0.00    | 0.32    | 10        | 0       | 30      |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

**Table 13-287: Sandwich tern density and abundance estimates at SEP by survey – birds on sea**

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-288: Shag density and abundance estimates at SEP by survey – all birds**

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-289: Tufted duck density and abundance estimates at SEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-290: Woodpigeon density and abundance estimates at SEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

### 13.1.6.5 SEP + 2km Buffer

*Table 13-291: Arctic skua density and abundance estimates at SEP + 2 km buffer by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-292: Arctic tern density and abundance estimates at SEP + 2 km buffer by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-293: Black-headed gull density and abundance estimates at SEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.29    | 0.05    | 0.62    | 60        | 10      | 130     |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.29    | 0.00    | 0.86    | 60        | 0       | 179     |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-294: Black-headed gull density and abundance estimates at SEP + 2 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.29    | 0.05    | 0.62    | 61        | 10      | 130     |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.28    | 0.00    | 0.84    | 59        | 0       | 174     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-295: Black-headed gull density and abundance estimates at SEP + 2 km buffer by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-296: Common gull density and abundance estimates at SEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.09    | 0.00    | 0.22    | 19        | 0       | 46      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.10    | 0.00    | 0.29    | 21        | 0       | 60      |
| 2019-M12-S01 | 0.15    | 0.04    | 0.32    | 32        | 9       | 66      |
| 2020-M01-S01 | 0.17    | 0.00    | 0.43    | 36        | 0       | 90      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.09    | 0.00    | 0.28    | 19        | 0       | 58      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-297: Common gull density and abundance estimates at SEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.09    | 0.00    | 0.22    | 20        | 0       | 46      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2019-M12-S01 | 0.10    | 0.00    | 0.23    | 21        | 0       | 48      |
| 2020-M01-S01 | 0.14    | 0.00    | 0.34    | 31        | 0       | 70      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.10    | 0.00    | 0.28    | 21        | 0       | 59      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-298: Common gull density and abundance estimates at SEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.05    | 0.00    | 0.15    | 10        | 0       | 31      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-299: Common scoter density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-300: Common tern density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.15    | 0.00    | 0.43    | 31        | 0       | 90      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 1.12    | 0.00    | 2.94    | 234       | 0       | 612     |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-301: Common tern density and abundance estimates at SEP + 2 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.15    | 0.00    | 0.43    | 32        | 0       | 89      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.40    | 0.00    | 0.93    | 84        | 0       | 194     |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-302: Common tern density and abundance estimates at SEP + 2 km buffer by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-303: Cormorant density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-304: Fulmar density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.14    | 0.00    | 0.34    | 29        | 0       | 70      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-305: Fulmar density and abundance estimates at SEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.05    | 0.00    | 0.15    | 10        | 0       | 31      |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.05    | 0.00    | 0.14    | 11        | 0       | 30      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.14    | 0.00    | 0.34    | 29        | 0       | 70      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.05    | 0.00    | 0.14    | 11        | 0       | 30      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-306: Fulmar density and abundance estimates at SEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.05    | 0.00    | 0.14    | 11        | 0       | 30      |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-307: Gannet density and abundance estimates at SEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.19    | 0.04    | 0.41    | 40        | 9       | 86      |
| 2018-M09-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2018-M10-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2018-M11-S01 | 2.35    | 1.64    | 3.33    | 489       | 341     | 694     |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.10    | 0.00    | 0.22    | 21        | 0       | 45      |
| 2019-M08-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M08-S02 | 0.14    | 0.04    | 0.27    | 29        | 9       | 57      |
| 2019-M09-S01 | 0.19    | 0.05    | 0.37    | 40        | 10      | 76      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.48    | 0.21    | 0.76    | 100       | 44      | 158     |
| 2019-M12-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2020-M03-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2020-M04-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |

Table 13-308: Gannet density and abundance estimates at SEP + 2 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2018-M09-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2018-M10-S01 | 0.05    | 0.00    | 0.14    | 11        | 0       | 30      |
| 2018-M11-S01 | 0.80    | 0.28    | 1.53    | 166       | 58      | 318     |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.05    | 0.00    | 0.14    | 11        | 0       | 30      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.19    | 0.05    | 0.36    | 40        | 10      | 74      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.14    | 0.00    | 0.30    | 29        | 0       | 62      |
| 2019-M12-S01 | 0.05    | 0.00    | 0.15    | 11        | 0       | 31      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2020-M03-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2020-M04-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |

Table 13-309: Gannet density and abundance estimates at SEP + 2 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.15    | 0.00    | 0.36    | 31        | 0       | 74      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 1.54    | 1.20    | 1.91    | 321       | 250     | 398     |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.10    | 0.00    | 0.22    | 20        | 0       | 45      |
| 2019-M08-S01 | 0.05    | 0.00    | 0.14    | 11        | 0       | 30      |
| 2019-M08-S02 | 0.14    | 0.04    | 0.28    | 29        | 9       | 58      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.34    | 0.13    | 0.61    | 71        | 28      | 126     |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-310: Golden plover density and abundance estimates at SEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.24    | 0.00    | 0.70    | 50        | 0       | 146     |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-311: Golden plover density and abundance estimates at SEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.23    | 0.00    | 0.69    | 48        | 0       | 144     |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-312: Golden plover density and abundance estimates at SEP + 2 km buffer by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-313: Great black-backed gull density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.15    | 0.00    | 0.34    | 31        | 0       | 71      |
| 2018-M11-S01 | 0.72    | 0.24    | 1.23    | 149       | 50      | 256     |
| 2018-M12-S01 | 0.63    | 0.05    | 1.41    | 131       | 10      | 294     |
| 2019-M01-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.48    | 0.19    | 0.80    | 100       | 40      | 167     |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.11    | 0.00    | 0.27    | 23        | 0       | 57      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-314: Great black-backed gull density and abundance estimates at SEP + 2 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.09    | 0.00    | 0.23    | 20        | 0       | 47      |
| 2018-M11-S01 | 0.24    | 0.05    | 0.48    | 50        | 10      | 100     |
| 2018-M12-S01 | 0.58    | 0.05    | 1.34    | 120       | 10      | 279     |
| 2019-M01-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.34    | 0.19    | 0.48    | 71        | 39      | 100     |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-315: Great black-backed gull density and abundance estimates at SEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2018-M11-S01 | 0.44    | 0.13    | 0.81    | 91        | 28      | 168     |
| 2018-M12-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.14    | 0.00    | 0.34    | 29        | 0       | 70      |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.10    | 0.00    | 0.28    | 21        | 0       | 59      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-316: Great crested grebe density and abundance estimates at SEP + 2 km buffer by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-317 Great skua density and abundance estimates at SEP + 2 km buffer by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-318 Guillemot density and abundance estimates at SEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.25    | 0.70    | 1.96    | 260       | 145     | 407     |
| 2018-M06-S01 | 0.19    | 0.00    | 0.45    | 39        | 0       | 93      |
| 2018-M07-S01 | 0.14    | 0.00    | 0.33    | 29        | 0       | 69      |
| 2018-M08-S01 | 1.35    | 0.30    | 2.68    | 280       | 62      | 558     |
| 2018-M09-S01 | 0.18    | 0.04    | 0.37    | 38        | 9       | 76      |
| 2018-M10-S01 | 4.15    | 2.82    | 5.47    | 864       | 587     | 1139    |
| 2018-M11-S01 | 2.77    | 1.86    | 3.87    | 577       | 387     | 805     |
| 2018-M12-S01 | 1.37    | 0.79    | 1.99    | 285       | 165     | 414     |
| 2019-M01-S01 | 0.58    | 0.18    | 1.10    | 120       | 37      | 229     |
| 2019-M02-S01 | 1.16    | 0.79    | 1.64    | 241       | 164     | 341     |
| 2019-M03-S01 | 0.14    | 0.04    | 0.28    | 29        | 9       | 58      |
| 2019-M04-S01 | 0.11    | 0.00    | 0.29    | 22        | 0       | 60      |
| 2019-M04-S02 | 1.49    | 0.71    | 2.52    | 311       | 147     | 524     |
| 2019-M05-S01 | 2.70    | 1.05    | 4.55    | 562       | 218     | 947     |
| 2019-M05-S02 | 0.10    | 0.00    | 0.22    | 21        | 0       | 46      |
| 2019-M06-S01 | 0.24    | 0.05    | 0.45    | 50        | 10      | 93      |
| 2019-M06-S02 | 0.09    | 0.00    | 0.28    | 19        | 0       | 59      |
| 2019-M07-S01 | 0.15    | 0.00    | 0.45    | 32        | 0       | 94      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.10    | 0.00    | 0.29    | 21        | 0       | 60      |
| 2019-M08-S02 | 0.15    | 0.00    | 0.37    | 31        | 0       | 76      |
| 2019-M09-S01 | 3.08    | 2.22    | 3.92    | 641       | 462     | 815     |
| 2019-M10-S01 | 4.27    | 2.32    | 6.59    | 889       | 482     | 1372    |
| 2019-M11-S01 | 1.23    | 0.69    | 1.92    | 257       | 143     | 400     |
| 2019-M12-S01 | 1.39    | 0.69    | 2.25    | 290       | 144     | 468     |
| 2020-M01-S01 | 0.25    | 0.05    | 0.49    | 52        | 10      | 102     |
| 2020-M02-S01 | 0.37    | 0.09    | 0.78    | 76        | 19      | 162     |
| 2020-M03-S01 | 4.69    | 1.63    | 9.06    | 976       | 340     | 1885    |
| 2020-M04-S01 | 3.15    | 2.37    | 3.87    | 656       | 493     | 805     |

**Table 13-319: Guillemot density and abundance estimates at SEP + 2 km buffer by survey – birds in flight**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.05    | 0.00    | 0.14    | 11        | 0       | 30      |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.10    | 0.00    | 0.24    | 21        | 0       | 49      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.23    | 0.00    | 0.65    | 47        | 0       | 136     |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2020-M04-S01 | 0.15    | 0.05    | 0.27    | 31        | 10      | 57      |

**Table 13-320: Guillemot density and abundance estimates at SEP + 2 km buffer by survey – birds on sea**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.20    | 0.64    | 1.90    | 250       | 134     | 396     |
| 2018-M06-S01 | 0.19    | 0.00    | 0.44    | 39        | 0       | 91      |
| 2018-M07-S01 | 0.14    | 0.00    | 0.33    | 29        | 0       | 68      |
| 2018-M08-S01 | 1.35    | 0.28    | 2.72    | 280       | 58      | 567     |
| 2018-M09-S01 | 0.20    | 0.04    | 0.41    | 41        | 9       | 86      |
| 2018-M10-S01 | 4.10    | 2.83    | 5.39    | 854       | 590     | 1122    |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M11-S01 | 2.75    | 1.85    | 3.83    | 573       | 386     | 798     |
| 2018-M12-S01 | 1.37    | 0.80    | 1.98    | 285       | 166     | 412     |
| 2019-M01-S01 | 0.58    | 0.18    | 1.11    | 120       | 37      | 230     |
| 2019-M02-S01 | 1.16    | 0.79    | 1.66    | 241       | 164     | 346     |
| 2019-M03-S01 | 0.14    | 0.04    | 0.28    | 30        | 9       | 58      |
| 2019-M04-S01 | 0.10    | 0.00    | 0.29    | 21        | 0       | 60      |
| 2019-M04-S02 | 1.49    | 0.71    | 2.50    | 310       | 148     | 521     |
| 2019-M05-S01 | 2.63    | 1.06    | 4.45    | 548       | 221     | 927     |
| 2019-M05-S02 | 0.10    | 0.00    | 0.22    | 20        | 0       | 45      |
| 2019-M06-S01 | 0.24    | 0.05    | 0.46    | 51        | 10      | 96      |
| 2019-M06-S02 | 0.10    | 0.00    | 0.28    | 20        | 0       | 59      |
| 2019-M07-S01 | 0.15    | 0.00    | 0.42    | 31        | 0       | 88      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.10    | 0.00    | 0.29    | 21        | 0       | 60      |
| 2019-M08-S02 | 0.15    | 0.00    | 0.36    | 31        | 0       | 75      |
| 2019-M09-S01 | 3.09    | 2.22    | 3.92    | 644       | 462     | 815     |
| 2019-M10-S01 | 4.28    | 2.30    | 6.68    | 890       | 478     | 1390    |
| 2019-M11-S01 | 1.01    | 0.62    | 1.44    | 211       | 129     | 299     |
| 2019-M12-S01 | 1.40    | 0.68    | 2.30    | 292       | 142     | 479     |
| 2020-M01-S01 | 0.25    | 0.05    | 0.48    | 51        | 10      | 100     |
| 2020-M02-S01 | 0.38    | 0.09    | 0.81    | 79        | 19      | 169     |
| 2020-M03-S01 | 4.65    | 1.54    | 9.09    | 967       | 321     | 1892    |
| 2020-M04-S01 | 3.00    | 2.22    | 3.74    | 624       | 463     | 778     |

Table 13-321: Herring gull density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.05    | 0.00    | 0.16    | 11        | 0       | 33      |
| 2018-M12-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.09    | 0.00    | 0.23    | 19        | 0       | 48      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.42    | 0.00    | 1.27    | 88        | 0       | 265     |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.10    | 0.00    | 0.28    | 21        | 0       | 59      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M12-S01 | 0.14    | 0.00    | 0.34    | 29        | 0       | 70      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-322: Herring gull density and abundance estimates at SEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2018-M12-S01 | 0.05    | 0.00    | 0.14    | 11        | 0       | 30      |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.10    | 0.00    | 0.23    | 21        | 0       | 48      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.05    | 0.00    | 0.14    | 11        | 0       | 30      |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.05    | 0.00    | 0.17    | 10        | 0       | 36      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2019-M12-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-323: Herring gull density and abundance estimates at SEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.37    | 0.00    | 1.12    | 77        | 0       | 233     |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.10    | 0.00    | 0.28    | 21        | 0       | 59      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.09    | 0.00    | 0.28    | 19        | 0       | 59      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-324: Kestrel density and abundance estimates at SEP + 2 km buffer by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |



*Table 13-325: Kittiwake density and abundance estimates at SEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.06    | 0.00    | 0.19    | 12        | 0       | 39      |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.09    | 0.00    | 0.28    | 19        | 0       | 59      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.14    | 0.00    | 0.44    | 30        | 0       | 91      |
| 2018-M11-S01 | 0.51    | 0.17    | 0.86    | 107       | 36      | 179     |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M02-S01 | 0.05    | 0.00    | 0.15    | 10        | 0       | 31      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.05    | 0.00    | 0.15    | 10        | 0       | 31      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.53    | 0.00    | 1.36    | 110       | 0       | 283     |
| 2019-M09-S01 | 0.96    | 0.31    | 1.69    | 200       | 65      | 351     |
| 2019-M10-S01 | 0.15    | 0.04    | 0.28    | 31        | 9       | 59      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.29    | 0.09    | 0.55    | 61        | 19      | 115     |
| 2020-M01-S01 | 0.06    | 0.00    | 0.17    | 12        | 0       | 36      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 1.45    | 0.81    | 2.28    | 302       | 169     | 475     |

*Table 13-326: Kittiwake density and abundance estimates at SEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.10    | 0.00    | 0.34    | 20        | 0       | 71      |
| 2018-M11-S01 | 0.23    | 0.09    | 0.37    | 47        | 18      | 78      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2019-M02-S01 | 0.05    | 0.00    | 0.14    | 11        | 0       | 29      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.62    | 0.17    | 1.13    | 130       | 36      | 236     |
| 2019-M10-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.19    | 0.00    | 0.49    | 41        | 0       | 102     |
| 2020-M01-S01 | 0.05    | 0.00    | 0.14    | 11        | 0       | 30      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.48    | 0.26    | 0.75    | 100       | 54      | 157     |

Table 13-327: Kittiwake density and abundance estimates at SEP + 2 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.06    | 0.00    | 0.18    | 13        | 0       | 38      |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.10    | 0.00    | 0.28    | 21        | 0       | 59      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.05    | 0.00    | 0.14    | 11        | 0       | 30      |
| 2018-M11-S01 | 0.37    | 0.00    | 0.69    | 78        | 0       | 143     |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.05    | 0.00    | 0.15    | 10        | 0       | 31      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.05    | 0.00    | 0.14    | 11        | 0       | 29      |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.54    | 0.00    | 1.37    | 112       | 0       | 286     |
| 2019-M09-S01 | 0.35    | 0.05    | 0.72    | 72        | 10      | 149     |
| 2019-M10-S01 | 0.10    | 0.00    | 0.23    | 21        | 0       | 48      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.10    | 0.00    | 0.23    | 21        | 0       | 48      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.96    | 0.35    | 1.72    | 200       | 73      | 359     |

Table 13-328: Knot density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-329 Lapwing density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-330: Lesser black-backed gull density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2018-M08-S01 | 0.44    | 0.05    | 1.06    | 92        | 10      | 221     |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M05-S01 | 0.43    | 0.00    | 1.19    | 89        | 0       | 248     |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M07-S01 | 1.45    | 0.00    | 4.32    | 302       | 0       | 900     |
| 2019-M07-S02 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M08-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M08-S02 | 0.15    | 0.00    | 0.34    | 31        | 0       | 70      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.15    | 0.00    | 0.42    | 31        | 0       | 88      |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-331: Lesser black-backed gull density and abundance estimates at SEP + 2 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.14    | 0.04    | 0.27    | 30        | 9       | 57      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.05    | 0.00    | 0.18    | 10        | 0       | 37      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.05    | 0.00    | 0.14    | 11        | 0       | 30      |
| 2019-M07-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M07-S02 | 0.05    | 0.00    | 0.14    | 11        | 0       | 30      |
| 2019-M08-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M08-S02 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-332: Lesser black-backed gull density and abundance estimates at SEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2018-M08-S01 | 0.24    | 0.00    | 0.70    | 50        | 0       | 145     |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.38    | 0.00    | 1.13    | 79        | 0       | 235     |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 1.40    | 0.00    | 4.19    | 292       | 0       | 871     |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.10    | 0.00    | 0.22    | 21        | 0       | 46      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-333: Little gull density and abundance estimates at SEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.10    | 0.00    | 0.29    | 21        | 0       | 61      |
| 2018-M11-S01 | 0.70    | 0.25    | 1.16    | 145       | 53      | 242     |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.29    | 0.10    | 0.49    | 60        | 20      | 102     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.05    | 0.00    | 0.15    | 11        | 0       | 31      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-334: Little gull density and abundance estimates at SEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0.40    | 0.14    | 0.68    | 84        | 29      | 142     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.14    | 0.05    | 0.27    | 29        | 10      | 56      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-335: Little gull density and abundance estimates at SEP + 2 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.10    | 0.00    | 0.35    | 20        | 0       | 72      |
| 2018-M11-S01 | 0.21    | 0.00    | 0.45    | 43        | 0       | 94      |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.14    | 0.00    | 0.34    | 29        | 0       | 70      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.05    | 0.00    | 0.15    | 10        | 0       | 31      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-336: Long-tailed duck density and abundance estimates at SEP + 2 km buffer by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 31-337: Manx shearwater density and abundance estimates at SEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.10    | 0.00    | 0.29    | 21        | 0       | 61      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-338: Manx shearwater density and abundance estimates at SEP + 2 km buffer by survey – birds in flight

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-339: Manx shearwater density and abundance estimates at SEP + 2 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.10    | 0.00    | 0.29    | 20        | 0       | 61      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-340: Oystercatcher density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-341: Pomarine skua density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-342: Puffin density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.10    | 0.00    | 0.22    | 21        | 0       | 45      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-343: Puffin density and abundance estimates at SEP + 2 km buffer by survey – birds in flight

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-344: Puffin density and abundance estimates at SEP + 2 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.10    | 0.00    | 0.21    | 21        | 0       | 44      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-345: Razorbill density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.06    | 0.00    | 0.19    | 12        | 0       | 40      |
| 2018-M10-S01 | 3.07    | 1.49    | 4.75    | 638       | 311     | 988     |
| 2018-M11-S01 | 3.99    | 2.25    | 6.17    | 831       | 469     | 1285    |
| 2018-M12-S01 | 0.52    | 0.18    | 0.96    | 108       | 37      | 200     |
| 2019-M01-S01 | 0.05    | 0.00    | 0.16    | 11        | 0       | 34      |
| 2019-M02-S01 | 0.43    | 0.10    | 0.86    | 90        | 20      | 178     |
| 2019-M03-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.25    | 0.00    | 0.74    | 53        | 0       | 154     |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 1.02    | 0.21    | 2.10    | 212       | 43      | 438     |
| 2019-M10-S01 | 3.14    | 1.30    | 5.19    | 654       | 270     | 1081    |
| 2019-M11-S01 | 1.67    | 0.67    | 2.70    | 348       | 140     | 562     |
| 2019-M12-S01 | 1.34    | 0.54    | 2.16    | 279       | 113     | 449     |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.32    | 0.00    | 0.76    | 66        | 0       | 158     |
| 2020-M03-S01 | 0.99    | 0.14    | 2.20    | 206       | 29      | 458     |
| 2020-M04-S01 | 2.05    | 1.16    | 3.09    | 427       | 242     | 643     |

*Table 13-346: Razorbill density and abundance estimates at SEP + 2 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M10-S01 | 0.14    | 0.00    | 0.42    | 29        | 0       | 87      |
| 2019-M11-S01 | 0.22    | 0.00    | 0.52    | 45        | 0       | 109     |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.19    | 0.00    | 0.57    | 41        | 0       | 119     |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |

*Table 13-347 Razorbill density and abundance estimates at SEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 3.08    | 1.55    | 4.74    | 642       | 323     | 986     |
| 2018-M11-S01 | 3.98    | 2.19    | 6.26    | 829       | 456     | 1302    |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.51    | 0.16    | 0.97    | 107       | 33      | 201     |
| 2019-M01-S01 | 0.05    | 0.00    | 0.16    | 11        | 0       | 34      |
| 2019-M02-S01 | 0.42    | 0.10    | 0.85    | 88        | 20      | 176     |
| 2019-M03-S01 | 0.05    | 0.00    | 0.14    | 11        | 0       | 30      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.25    | 0.00    | 0.74    | 51        | 0       | 153     |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.95    | 0.17    | 2.03    | 198       | 36      | 422     |
| 2019-M10-S01 | 3.01    | 1.11    | 5.09    | 626       | 232     | 1060    |
| 2019-M11-S01 | 1.45    | 0.59    | 2.40    | 301       | 122     | 499     |
| 2019-M12-S01 | 1.35    | 0.54    | 2.15    | 282       | 112     | 448     |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.12    | 0.00    | 0.33    | 24        | 0       | 69      |
| 2020-M03-S01 | 0.97    | 0.13    | 2.08    | 201       | 28      | 432     |
| 2020-M04-S01 | 2.00    | 1.16    | 2.93    | 417       | 242     | 610     |

Table 13-348: Red-throated diver density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.10    | 0.00    | 0.24    | 21        | 0       | 49      |
| 2018-M11-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 1.16    | 0.04    | 3.15    | 241       | 9       | 656     |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.10    | 0.00    | 0.22    | 21        | 0       | 46      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.10    | 0.00    | 0.24    | 21        | 0       | 49      |
| 2019-M11-S01 | 0.19    | 0.00    | 0.53    | 40        | 0       | 111     |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-349: Red-throated diver density and abundance estimates at SEP + 2 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.09    | 0.00    | 0.23    | 19        | 0       | 48      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 0-350 Red-throated diver density and abundance estimates at SEP + 2 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.10    | 0.00    | 0.24    | 21        | 0       | 50      |
| 2018-M11-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 1.14    | 0.04    | 3.17    | 239       | 9       | 659     |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.10    | 0.00    | 0.22    | 21        | 0       | 46      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.20    | 0.00    | 0.54    | 42        | 0       | 113     |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-351: Sandwich tern density and abundance estimates at SEP + 2 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.68    | 0.32    | 1.08    | 141       | 67      | 224     |
| 2018-M06-S01 | 0.29    | 0.00    | 0.67    | 60        | 0       | 140     |
| 2018-M07-S01 | 1.74    | 0.47    | 3.67    | 362       | 98      | 764     |
| 2018-M08-S01 | 0.09    | 0.00    | 0.28    | 19        | 0       | 59      |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.10    | 0.00    | 0.23    | 21        | 0       | 48      |
| 2019-M05-S01 | 0.10    | 0.00    | 0.29    | 20        | 0       | 60      |
| 2019-M05-S02 | 0.48    | 0.23    | 0.76    | 100       | 48      | 158     |
| 2019-M06-S01 | 0.34    | 0.09    | 0.62    | 71        | 19      | 129     |
| 2019-M06-S02 | 0.48    | 0.14    | 0.87    | 100       | 29      | 182     |
| 2019-M07-S01 | 0.10    | 0.00    | 0.22    | 21        | 0       | 45      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-352: Sandwich tern density and abundance estimates at SEP + 2 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.67    | 0.32    | 1.05    | 140       | 67      | 219     |
| 2018-M06-S01 | 0.28    | 0.00    | 0.68    | 58        | 0       | 142     |
| 2018-M07-S01 | 1.72    | 0.43    | 3.68    | 357       | 89      | 765     |
| 2018-M08-S01 | 0.10    | 0.00    | 0.28    | 21        | 0       | 59      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.10    | 0.00    | 0.23    | 21        | 0       | 48      |
| 2019-M05-S01 | 0.10    | 0.00    | 0.29    | 20        | 0       | 60      |
| 2019-M05-S02 | 0.48    | 0.24    | 0.76    | 100       | 49      | 159     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M06-S01 | 0.34    | 0.10    | 0.62    | 71        | 20      | 129     |
| 2019-M06-S02 | 0.48    | 0.14    | 0.86    | 100       | 30      | 180     |
| 2019-M07-S01 | 0.10    | 0.00    | 0.19    | 20        | 0       | 40      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.05    | 0.00    | 0.14    | 11        | 0       | 29      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-353: Sandwich tern density and abundance estimates at SEP + 2 km buffer by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-354: Shag density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-355: Tufted duck density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-356: Woodpigeon density and abundance estimates at SEP + 2 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-357: Woodpigeon density and abundance estimates at SEP + 2 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.05    | 0.00    | 0.14    | 10        | 0       | 29      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 0-358 Woodpigeon density and abundance estimates at SEP + 2 km buffer by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

### 13.1.6.6 SEP + 4km Buffer

Table 13-359: Arctic skua density and abundance estimates at SEP + 4 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-360: Arctic tern density and abundance estimates at SEP + 4 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.08    | 0.00    | 0.25    | 28        | 0       | 86      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-361: Arctic tern density and abundance estimates at SEP + 4 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.08    | 0.00    | 0.24    | 28        | 0       | 85      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-362 Arctic tern density and abundance estimates at SEP + 4 km buffer by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-363 Black-headed gull density and abundance estimates at SEP + 4 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.20    | 0.03    | 0.48    | 70        | 10      | 168     |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.03    | 0.00    | 0.11    | 12        | 0       | 37      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.20    | 0.00    | 0.54    | 70        | 0       | 188     |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-364 Black-headed gull density and abundance estimates at SEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.20    | 0.03    | 0.47    | 71        | 10      | 165     |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.19    | 0.00    | 0.54    | 67        | 0       | 189     |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-365 Black-headed gull density and abundance estimates at SEP + 4 km buffer by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-366 Common gull density and abundance estimates at SEP + 4 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.06    | 0.00    | 0.13    | 21        | 0       | 47      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.03    | 0.00    | 0.09    | 10        | 0       | 31      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 60      |
| 2019-M12-S01 | 0.16    | 0.03    | 0.33    | 56        | 10      | 116     |
| 2020-M01-S01 | 0.11    | 0.00    | 0.30    | 40        | 0       | 104     |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 59      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-367: Common gull density and abundance estimates at SEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.03    | 0.00    | 0.08    | 11        | 0       | 29      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.06    | 0.00    | 0.13    | 20        | 0       | 47      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M12-S01 | 0.12    | 0.00    | 0.25    | 41        | 0       | 88      |
| 2020-M01-S01 | 0.10    | 0.00    | 0.25    | 34        | 0       | 87      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.06    | 0.00    | 0.17    | 20        | 0       | 58      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-368: Common gull density and abundance estimates at SEP + 4 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-369: Common scoter density and abundance estimates at SEP + 4 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 59      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-370: Common scoter density and abundance estimates at SEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 60      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 31-371: Common scoter density and abundance estimates at SEP + 4 km buffer by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-372: Common tern density and abundance estimates at SEP + 4 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.15    | 0.00    | 0.34    | 52        | 0       | 120     |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.64    | 0.00    | 1.68    | 223       | 0       | 587     |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-373: Common tern density and abundance estimates at SEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.15    | 0.00    | 0.34    | 54        | 0       | 118     |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.21    | 0.00    | 0.53    | 74        | 0       | 183     |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-374: Common tern density and abundance estimates at SEP + 4 km buffer by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-375: Cormorant density and abundance estimates at SEP + 4 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-376: Fulmar density and abundance estimates at SEP + 4 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M07-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M09-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.09    | 0.00    | 0.21    | 31        | 0       | 72      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 33      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.06    | 0.00    | 0.14    | 21        | 0       | 49      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.07    | 0.00    | 0.17    | 24        | 0       | 59      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 60      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-377: Fulmar density and abundance estimates at SEP + 4 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M07-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.09    | 0.00    | 0.20    | 31        | 0       | 69      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.06    | 0.00    | 0.14    | 21        | 0       | 49      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.07    | 0.00    | 0.15    | 23        | 0       | 53      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.06    | 0.00    | 0.17    | 20        | 0       | 60      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-378: Fulmar density and abundance estimates at SEP + 4 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-379: Gannet density and abundance estimates at SEP + 4 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M07-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 59      |
| 2018-M08-S01 | 0.14    | 0.03    | 0.32    | 49        | 9       | 113     |
| 2018-M09-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M10-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M11-S01 | 2.18    | 1.77    | 2.71    | 760       | 616     | 946     |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 60      |
| 2019-M03-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M04-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 59      |
| 2019-M04-S02 | 0.09    | 0.00    | 0.17    | 31        | 0       | 60      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.09    | 0.03    | 0.16    | 31        | 9       | 57      |
| 2019-M08-S01 | 0.06    | 0.00    | 0.14    | 21        | 0       | 48      |
| 2019-M08-S02 | 0.14    | 0.03    | 0.28    | 49        | 10      | 99      |
| 2019-M09-S01 | 0.34    | 0.14    | 0.59    | 118       | 49      | 207     |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.63    | 0.40    | 0.87    | 220       | 140     | 302     |
| 2019-M12-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.11    | 0.00    | 0.30    | 38        | 0       | 104     |
| 2020-M03-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2020-M04-S01 | 0.17    | 0.03    | 0.35    | 59        | 10      | 123     |

*Table 13-380: Gannet density and abundance estimates at SEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M09-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M10-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M11-S01 | 0.81    | 0.48    | 1.24    | 282       | 168     | 433     |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.06    | 0.00    | 0.17    | 20        | 0       | 60      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.06    | 0.00    | 0.16    | 20        | 0       | 57      |
| 2019-M04-S02 | 0.06    | 0.00    | 0.14    | 21        | 0       | 50      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.06    | 0.00    | 0.21    | 21        | 0       | 72      |
| 2019-M09-S01 | 0.29    | 0.14    | 0.46    | 100       | 49      | 160     |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.31    | 0.16    | 0.48    | 108       | 56      | 167     |
| 2019-M12-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.12    | 0.00    | 0.31    | 42        | 0       | 109     |
| 2020-M03-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2020-M04-S01 | 0.14    | 0.03    | 0.28    | 49        | 10      | 98      |

Table 13-381: Gannet density and abundance estimates at SEP + 4 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M07-S01 | 0.06    | 0.00    | 0.17    | 20        | 0       | 59      |
| 2018-M08-S01 | 0.11    | 0.00    | 0.30    | 40        | 0       | 103     |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 1.35    | 1.05    | 1.61    | 471       | 366     | 562     |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S02 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.09    | 0.03    | 0.16    | 30        | 10      | 57      |
| 2019-M08-S01 | 0.06    | 0.00    | 0.14    | 20        | 0       | 48      |
| 2019-M08-S02 | 0.09    | 0.03    | 0.17    | 30        | 9       | 58      |
| 2019-M09-S01 | 0.06    | 0.00    | 0.14    | 20        | 0       | 49      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.29    | 0.11    | 0.49    | 100       | 38      | 170     |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |

Table 13-382: Golden plover density and abundance estimates at SEP + 4 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.14    | 0.00    | 0.42    | 49        | 0       | 146     |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-383: Golden plover density and abundance estimates at SEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.14    | 0.00    | 0.42    | 50        | 0       | 146     |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-384: Golden plover density and abundance estimates at SEP + 4 km buffer by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-385: Great black-backed gull density and abundance estimates at SEP + 4 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.09    | 0.00    | 0.21    | 31        | 0       | 72      |
| 2018-M11-S01 | 0.63    | 0.22    | 1.09    | 219       | 78      | 380     |
| 2018-M12-S01 | 0.38    | 0.03    | 0.86    | 132       | 10      | 300     |
| 2019-M01-S01 | 0.06    | 0.00    | 0.13    | 21        | 0       | 46      |
| 2019-M02-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.03    | 0.00    | 0.08    | 10        | 0       | 29      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.69    | 0.46    | 0.93    | 240       | 160     | 324     |
| 2019-M12-S01 | 0.03    | 0.00    | 0.11    | 10        | 0       | 39      |
| 2020-M01-S01 | 0.11    | 0.00    | 0.31    | 40        | 0       | 107     |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-386: Great black-backed gull density and abundance estimates at SEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.06    | 0.00    | 0.13    | 20        | 0       | 45      |
| 2018-M11-S01 | 0.26    | 0.08    | 0.47    | 91        | 28      | 165     |
| 2018-M12-S01 | 0.34    | 0.03    | 0.82    | 118       | 10      | 286     |
| 2019-M01-S01 | 0.06    | 0.00    | 0.13    | 21        | 0       | 44      |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.49    | 0.28    | 0.71    | 171       | 98      | 249     |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.06    | 0.00    | 0.19    | 22        | 0       | 66      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-387: Great black-backed gull density and abundance estimates at SEP + 4 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M11-S01 | 0.31    | 0.11    | 0.53    | 110       | 38      | 184     |
| 2018-M12-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.20    | 0.09    | 0.31    | 70        | 30      | 108     |
| 2019-M12-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2020-M01-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-388: Great crested grebe density and abundance estimates at SEP + 4 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-389: Great skua density and abundance estimates at SEP + 4 km buffer by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-390: Guillemot density and abundance estimates at SEP + 4 km buffer by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.38    | 0.72    | 2.30    | 481       | 252     | 803     |
| 2018-M06-S01 | 0.28    | 0.11    | 0.46    | 98        | 39      | 160     |
| 2018-M07-S01 | 0.11    | 0.00    | 0.28    | 38        | 0       | 97      |
| 2018-M08-S01 | 1.74    | 0.54    | 3.15    | 605       | 188     | 1099    |
| 2018-M09-S01 | 0.28    | 0.09    | 0.45    | 97        | 30      | 158     |
| 2018-M10-S01 | 4.46    | 2.95    | 6.55    | 1554      | 1029    | 2283    |
| 2018-M11-S01 | 2.83    | 2.30    | 3.39    | 986       | 802     | 1183    |
| 2018-M12-S01 | 1.38    | 0.88    | 1.88    | 480       | 306     | 656     |
| 2019-M01-S01 | 0.49    | 0.19    | 0.90    | 171       | 67      | 314     |
| 2019-M02-S01 | 0.92    | 0.62    | 1.30    | 320       | 216     | 452     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M03-S01 | 0.26    | 0.05    | 0.59    | 91        | 18      | 205     |
| 2019-M04-S01 | 0.17    | 0.03    | 0.35    | 58        | 10      | 123     |
| 2019-M04-S02 | 1.31    | 0.75    | 1.96    | 458       | 262     | 683     |
| 2019-M05-S01 | 2.81    | 1.35    | 4.47    | 979       | 470     | 1559    |
| 2019-M05-S02 | 0.14    | 0.00    | 0.32    | 49        | 0       | 110     |
| 2019-M06-S01 | 0.54    | 0.18    | 1.04    | 189       | 64      | 363     |
| 2019-M06-S02 | 0.11    | 0.00    | 0.26    | 38        | 0       | 92      |
| 2019-M07-S01 | 0.15    | 0.00    | 0.40    | 52        | 0       | 138     |
| 2019-M07-S02 | 0.12    | 0.00    | 0.30    | 41        | 0       | 105     |
| 2019-M08-S01 | 0.11    | 0.00    | 0.30    | 40        | 0       | 104     |
| 2019-M08-S02 | 0.17    | 0.03    | 0.36    | 60        | 10      | 124     |
| 2019-M09-S01 | 3.58    | 2.11    | 5.66    | 1249      | 735     | 1971    |
| 2019-M10-S01 | 3.87    | 2.32    | 5.54    | 1349      | 809     | 1929    |
| 2019-M11-S01 | 1.26    | 0.60    | 2.06    | 440       | 209     | 718     |
| 2019-M12-S01 | 1.32    | 0.83    | 1.91    | 459       | 290     | 665     |
| 2020-M01-S01 | 0.36    | 0.16    | 0.60    | 127       | 55      | 209     |
| 2020-M02-S01 | 0.31    | 0.09    | 0.57    | 108       | 30      | 197     |
| 2020-M03-S01 | 5.24    | 2.26    | 8.81    | 1827      | 787     | 3071    |
| 2020-M04-S01 | 3.39    | 2.43    | 4.37    | 1182      | 848     | 1523    |

Table 13-391: Guillemot density and abundance estimates at SEP + 4 km buffer by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.06    | 0.00    | 0.14    | 21        | 0       | 48      |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.03    | 0.00    | 0.08    | 10        | 0       | 29      |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.05    | 0.00    | 0.14    | 17        | 0       | 48      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.20    | 0.00    | 0.46    | 68        | 0       | 159     |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2020-M04-S01 | 0.14    | 0.06    | 0.22    | 50        | 20      | 78      |

*Table 13-392: Guillemot density and abundance estimates at SEP + 4 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.28    | 0.69    | 2.05    | 447       | 240     | 713     |
| 2018-M06-S01 | 0.26    | 0.11    | 0.40    | 89        | 39      | 140     |
| 2018-M07-S01 | 0.12    | 0.00    | 0.28    | 41        | 0       | 97      |
| 2018-M08-S01 | 1.65    | 0.56    | 2.95    | 576       | 196     | 1029    |
| 2018-M09-S01 | 0.20    | 0.09    | 0.32    | 70        | 30      | 111     |
| 2018-M10-S01 | 3.77    | 2.61    | 5.35    | 1313      | 910     | 1865    |
| 2018-M11-S01 | 2.37    | 2.02    | 2.77    | 826       | 705     | 965     |
| 2018-M12-S01 | 1.18    | 0.82    | 1.51    | 410       | 286     | 526     |
| 2019-M01-S01 | 0.46    | 0.19    | 0.82    | 161       | 66      | 285     |
| 2019-M02-S01 | 0.83    | 0.62    | 1.08    | 289       | 216     | 378     |
| 2019-M03-S01 | 0.23    | 0.05    | 0.51    | 81        | 18      | 177     |
| 2019-M04-S01 | 0.12    | 0.03    | 0.22    | 41        | 10      | 76      |
| 2019-M04-S02 | 1.18    | 0.76    | 1.62    | 410       | 264     | 565     |
| 2019-M05-S01 | 2.65    | 1.27    | 4.14    | 923       | 443     | 1443    |
| 2019-M05-S02 | 0.14    | 0.00    | 0.33    | 51        | 0       | 114     |
| 2019-M06-S01 | 0.43    | 0.18    | 0.71    | 149       | 64      | 246     |
| 2019-M06-S02 | 0.11    | 0.00    | 0.27    | 40        | 0       | 93      |
| 2019-M07-S01 | 0.06    | 0.00    | 0.14    | 21        | 0       | 48      |
| 2019-M07-S02 | 0.08    | 0.00    | 0.21    | 30        | 0       | 74      |
| 2019-M08-S01 | 0.09    | 0.00    | 0.21    | 30        | 0       | 74      |
| 2019-M08-S02 | 0.14    | 0.03    | 0.27    | 50        | 10      | 95      |
| 2019-M09-S01 | 2.95    | 1.73    | 4.71    | 1028      | 603     | 1643    |
| 2019-M10-S01 | 3.41    | 2.15    | 4.82    | 1188      | 749     | 1681    |
| 2019-M11-S01 | 0.95    | 0.53    | 1.43    | 331       | 183     | 500     |
| 2019-M12-S01 | 1.15    | 0.79    | 1.60    | 400       | 275     | 559     |
| 2020-M01-S01 | 0.26    | 0.16    | 0.36    | 90        | 55      | 127     |
| 2020-M02-S01 | 0.26    | 0.09    | 0.48    | 90        | 30      | 168     |
| 2020-M03-S01 | 4.83    | 2.18    | 8.27    | 1682      | 760     | 2883    |
| 2020-M04-S01 | 2.99    | 2.23    | 3.83    | 1041      | 778     | 1334    |



**Table 13-393: Herring gull density and abundance estimates at SEP + 4 km buffer by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 60      |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 32      |
| 2018-M12-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M01-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M02-S01 | 0.06    | 0.00    | 0.13    | 21        | 0       | 47      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.25    | 0.00    | 0.76    | 87        | 0       | 264     |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.07    | 0.00    | 0.20    | 24        | 0       | 71      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.06    | 0.00    | 0.13    | 21        | 0       | 45      |
| 2019-M12-S01 | 0.09    | 0.00    | 0.22    | 31        | 0       | 76      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

**Table 13-394: Herring gull density and abundance estimates at SEP + 4 km buffer by survey – birds in flight**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 60      |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M12-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M01-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M02-S01 | 0.06    | 0.00    | 0.13    | 21        | 0       | 47      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.06    | 0.00    | 0.13    | 21        | 0       | 46      |
| 2019-M12-S01 | 0.03    | 0.00    | 0.08    | 10        | 0       | 29      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-395: Herring gull density and abundance estimates at SEP + 4 km buffer by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.20    | 0.00    | 0.60    | 71        | 0       | 209     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.06    | 0.00    | 0.17    | 21        | 0       | 59      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 59      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-396: Kestrel density and abundance estimates at SEP + 4 km buffer by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-397: Kittiwake density and abundance estimates at SEP + 4 km buffer by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.07    | 0.00    | 0.20    | 23        | 0       | 68      |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 58      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.17    | 0.00    | 0.42    | 59        | 0       | 148     |
| 2018-M11-S01 | 0.44    | 0.19    | 0.72    | 152       | 65      | 251     |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.06    | 0.00    | 0.14    | 21        | 0       | 48      |
| 2019-M02-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 33      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.03    | 0.00    | 0.09    | 10        | 0       | 31      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.37    | 0.06    | 0.84    | 129       | 20      | 293     |
| 2019-M09-S01 | 1.06    | 0.54    | 1.60    | 368       | 188     | 557     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M10-S01 | 0.11    | 0.03    | 0.21    | 37        | 9       | 74      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.31    | 0.13    | 0.53    | 109       | 44      | 184     |
| 2020-M01-S01 | 0.07    | 0.00    | 0.19    | 26        | 0       | 66      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 1.77    | 0.82    | 2.84    | 618       | 286     | 989     |

*Table 13-398: Kittiwake density and abundance estimates at SEP + 4 km buffer by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.06    | 0.00    | 0.21    | 22        | 0       | 74      |
| 2018-M11-S01 | 0.27    | 0.10    | 0.48    | 94        | 36      | 167     |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.06    | 0.00    | 0.14    | 21        | 0       | 48      |
| 2019-M02-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.74    | 0.34    | 1.12    | 257       | 118     | 392     |
| 2019-M10-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.23    | 0.06    | 0.43    | 80        | 20      | 151     |
| 2020-M01-S01 | 0.06    | 0.00    | 0.15    | 22        | 0       | 52      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.57    | 0.31    | 0.87    | 201       | 107     | 303     |

*Table 13-399: Kittiwake density and abundance estimates at SEP + 4 km buffer by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.06    | 0.00    | 0.17    | 20        | 0       | 58      |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 59      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.11    | 0.00    | 0.32    | 40        | 0       | 113     |
| 2018-M11-S01 | 0.06    | 0.00    | 0.13    | 20        | 0       | 45      |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.37    | 0.06    | 0.85    | 130       | 20      | 297     |
| 2019-M09-S01 | 0.29    | 0.11    | 0.47    | 100       | 38      | 165     |
| 2019-M10-S01 | 0.06    | 0.00    | 0.14    | 21        | 0       | 48      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.06    | 0.00    | 0.13    | 20        | 0       | 47      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 1.21    | 0.40    | 2.17    | 422       | 141     | 755     |

*Table 13-400 Knot density and abundance estimates at SEP + 4 km buffer by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-401: Lapwing density and abundance estimates at DEP by survey – all birds*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-402: Lesser black-backed gull density and abundance estimates at DEP by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.06    | 0.00    | 0.14    | 21        | 0       | 49      |
| 2018-M08-S01 | 0.26    | 0.03    | 0.64    | 91        | 10      | 223     |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.25    | 0.00    | 0.71    | 87        | 0       | 248     |
| 2019-M05-S02 | 0.06    | 0.00    | 0.17    | 22        | 0       | 60      |
| 2019-M06-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M06-S02 | 0.09    | 0.00    | 0.17    | 31        | 0       | 60      |
| 2019-M07-S01 | 0.90    | 0.00    | 2.64    | 313       | 0       | 920     |
| 2019-M07-S02 | 0.06    | 0.00    | 0.13    | 21        | 0       | 45      |
| 2019-M08-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M08-S02 | 0.10    | 0.00    | 0.26    | 36        | 0       | 89      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.09    | 0.00    | 0.26    | 31        | 0       | 89      |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

**Table 13-403: Lesser black-backed gull density and abundance estimates at DEP by survey – birds in flight**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.09    | 0.03    | 0.16    | 31        | 9       | 57      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.03    | 0.00    | 0.10    | 10        | 0       | 36      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.03    | 0.00    | 0.08    | 10        | 0       | 29      |
| 2019-M06-S02 | 0.06    | 0.00    | 0.14    | 20        | 0       | 49      |
| 2019-M07-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 60      |
| 2019-M07-S02 | 0.06    | 0.00    | 0.13    | 21        | 0       | 45      |
| 2019-M08-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2019-M08-S02 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-404: Lesser black-backed gull density and abundance estimates at DEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.06    | 0.00    | 0.14    | 20        | 0       | 48      |
| 2018-M08-S01 | 0.14    | 0.00    | 0.42    | 49        | 0       | 146     |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.23    | 0.00    | 0.67    | 80        | 0       | 235     |
| 2019-M05-S02 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2019-M07-S01 | 0.73    | 0.00    | 2.22    | 255       | 0       | 774     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.06    | 0.00    | 0.13    | 20        | 0       | 46      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-405: Little gull density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.06    | 0.00    | 0.18    | 21        | 0       | 61      |
| 2018-M11-S01 | 0.57    | 0.27    | 0.87    | 199       | 95      | 303     |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.35    | 0.11    | 0.61    | 122       | 37      | 212     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.03    | 0.00    | 0.10    | 10        | 0       | 34      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |



*Table 13-406: Little gull density and abundance estimates at DEP by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0.37    | 0.17    | 0.56    | 128       | 58      | 195     |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.14    | 0.05    | 0.25    | 49        | 18      | 88      |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-407: Little gull density and abundance estimates at DEP by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.06    | 0.00    | 0.17    | 20        | 0       | 60      |
| 2018-M11-S01 | 0.06    | 0.00    | 0.14    | 20        | 0       | 48      |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.14    | 0.03    | 0.30    | 50        | 9       | 103     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |

Table 13-408: Long-tailed duck density and abundance estimates at DEP by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-409: Manx shearwater density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.06    | 0.00    | 0.18    | 20        | 0       | 61      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-410: Manx shearwater density and abundance estimates at DEP by survey – birds in flight

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-411: Manx shearwater density and abundance estimates at DEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 60      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-412: Oystercatcher density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-413 Oystercatcher density and abundance estimates at DEP by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-414: Oystercatcher density and abundance estimates at DEP by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-415: Pomarine skua density and abundance estimates at DEP by survey – all birds**

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

**Table 13-416: Puffin density and abundance estimates at DEP by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.03    | 0.00    | 0.09    | 12        | 0       | 32      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.06    | 0.00    | 0.13    | 21        | 0       | 45      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

**Table 13-417: Puffin density and abundance estimates at DEP by survey – birds in flight**

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-418: Puffin density and abundance estimates at DEP by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.06    | 0.00    | 0.13    | 20        | 0       | 46      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-419: Razorbill density and abundance estimates at DEP by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.04    | 0.00    | 0.12    | 14        | 0       | 43      |
| 2018-M10-S01 | 3.17    | 1.87    | 4.63    | 1105      | 651     | 1612    |
| 2018-M11-S01 | 4.20    | 2.73    | 5.87    | 1464      | 951     | 2045    |
| 2018-M12-S01 | 0.40    | 0.21    | 0.67    | 140       | 72      | 232     |
| 2019-M01-S01 | 0.06    | 0.00    | 0.15    | 21        | 0       | 53      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M02-S01 | 0.29    | 0.10    | 0.54    | 100       | 36      | 188     |
| 2019-M03-S01 | 0.03    | 0.00    | 0.10    | 11        | 0       | 34      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.03    | 0.00    | 0.13    | 12        | 0       | 45      |
| 2019-M05-S01 | 0.18    | 0.00    | 0.48    | 63        | 0       | 168     |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.66    | 0.13    | 1.36    | 231       | 46      | 475     |
| 2019-M10-S01 | 3.62    | 1.68    | 5.82    | 1260      | 586     | 2029    |
| 2019-M11-S01 | 1.57    | 0.82    | 2.34    | 546       | 286     | 814     |
| 2019-M12-S01 | 1.45    | 0.66    | 2.24    | 506       | 230     | 781     |
| 2020-M01-S01 | 0.04    | 0.00    | 0.17    | 14        | 0       | 60      |
| 2020-M02-S01 | 0.21    | 0.00    | 0.50    | 72        | 0       | 174     |
| 2020-M03-S01 | 0.98    | 0.23    | 1.97    | 340       | 81      | 688     |
| 2020-M04-S01 | 1.80    | 1.08    | 2.58    | 628       | 375     | 900     |

Table 13-420: Razorbill density and abundance estimates at DEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2019-M10-S01 | 0.12    | 0.00    | 0.34    | 41        | 0       | 119     |
| 2019-M11-S01 | 0.15    | 0.00    | 0.36    | 54        | 0       | 124     |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.14    | 0.00    | 0.42    | 50        | 0       | 148     |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |

Table 13-421: Razorbill density and abundance estimates at DEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 2.68    | 1.64    | 3.86    | 935       | 572     | 1346    |
| 2018-M11-S01 | 3.53    | 2.38    | 4.82    | 1228      | 829     | 1679    |
| 2018-M12-S01 | 0.31    | 0.16    | 0.51    | 110       | 57      | 178     |
| 2019-M01-S01 | 0.06    | 0.00    | 0.14    | 20        | 0       | 49      |
| 2019-M02-S01 | 0.26    | 0.09    | 0.45    | 90        | 30      | 158     |
| 2019-M03-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M05-S01 | 0.17    | 0.00    | 0.45    | 61        | 0       | 156     |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.52    | 0.11    | 1.10    | 180       | 39      | 384     |
| 2019-M10-S01 | 3.10    | 1.39    | 4.95    | 1079      | 483     | 1724    |
| 2019-M11-S01 | 1.20    | 0.67    | 1.70    | 419       | 234     | 593     |
| 2019-M12-S01 | 1.25    | 0.60    | 1.85    | 436       | 210     | 646     |
| 2020-M01-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2020-M02-S01 | 0.06    | 0.00    | 0.17    | 20        | 0       | 59      |
| 2020-M03-S01 | 0.91    | 0.22    | 1.83    | 318       | 77      | 637     |
| 2020-M04-S01 | 1.63    | 1.03    | 2.30    | 569       | 358     | 801     |

**Table 13-422: Red-throated diver density and abundance estimates at DEP by survey – all birds**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.11    | 0.03    | 0.22    | 38        | 10      | 75      |
| 2018-M11-S01 | 0.14    | 0.00    | 0.32    | 49        | 0       | 112     |
| 2018-M12-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M01-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.92    | 0.03    | 2.54    | 321       | 10      | 885     |
| 2019-M04-S01 | 0.10    | 0.00    | 0.26    | 34        | 0       | 92      |
| 2019-M04-S02 | 0.06    | 0.00    | 0.13    | 21        | 0       | 47      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.09    | 0.03    | 0.17    | 30        | 9       | 60      |
| 2019-M11-S01 | 0.29    | 0.14    | 0.46    | 101       | 49      | 161     |
| 2019-M12-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2020-M03-S01 | 0.09    | 0.00    | 0.23    | 31        | 0       | 80      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

**Table 13-423: Red-throated diver density and abundance estimates at DEP by survey – birds in flight**

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M01-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.06    | 0.00    | 0.13    | 21        | 0       | 47      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.03    | 0.00    | 0.08    | 10        | 0       | 29      |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-424: Red-throated diver density and abundance estimates at DEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.09    | 0.00    | 0.19    | 30        | 0       | 66      |
| 2018-M11-S01 | 0.14    | 0.00    | 0.32    | 51        | 0       | 111     |
| 2018-M12-S01 | 0.03    | 0.00    | 0.10    | 11        | 0       | 36      |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.91    | 0.03    | 2.51    | 317       | 10      | 875     |
| 2019-M04-S01 | 0.09    | 0.00    | 0.22    | 30        | 0       | 75      |
| 2019-M04-S02 | 0.06    | 0.00    | 0.13    | 21        | 0       | 47      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 30      |
| 2019-M11-S01 | 0.29    | 0.14    | 0.46    | 100       | 48      | 162     |
| 2019-M12-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.09    | 0.00    | 0.23    | 30        | 0       | 79      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-425: Sandwich tern density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.57    | 0.31    | 0.84    | 200       | 109     | 292     |
| 2018-M06-S01 | 0.40    | 0.06    | 0.82    | 139       | 20      | 287     |
| 2018-M07-S01 | 2.29    | 0.86    | 4.16    | 798       | 299     | 1448    |
| 2018-M08-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 59      |
| 2018-M09-S01 | 0.03    | 0.00    | 0.11    | 10        | 0       | 37      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.24    | 0.05    | 0.49    | 85        | 18      | 170     |
| 2019-M05-S01 | 0.26    | 0.03    | 0.56    | 89        | 10      | 196     |
| 2019-M05-S02 | 0.31    | 0.14    | 0.53    | 108       | 48      | 186     |
| 2019-M06-S01 | 0.34    | 0.11    | 0.57    | 118       | 40      | 197     |
| 2019-M06-S02 | 0.54    | 0.24    | 0.90    | 188       | 85      | 313     |
| 2019-M07-S01 | 0.15    | 0.03    | 0.27    | 52        | 10      | 95      |
| 2019-M07-S02 | 0.09    | 0.00    | 0.26    | 31        | 0       | 89      |
| 2019-M08-S01 | 0.09    | 0.03    | 0.16    | 31        | 9       | 57      |
| 2019-M08-S02 | 0.05    | 0.00    | 0.14    | 18        | 0       | 49      |
| 2019-M09-S01 | 0.11    | 0.00    | 0.28    | 38        | 0       | 96      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-426: Sandwich tern density and abundance estimates at DEP by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.57    | 0.32    | 0.82    | 198       | 113     | 287     |
| 2018-M06-S01 | 0.40    | 0.08    | 0.81    | 139       | 27      | 283     |
| 2018-M07-S01 | 2.33    | 0.84    | 4.35    | 812       | 292     | 1517    |
| 2018-M08-S01 | 0.06    | 0.00    | 0.17    | 21        | 0       | 60      |
| 2018-M09-S01 | 0.03    | 0.00    | 0.09    | 11        | 0       | 31      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.24    | 0.05    | 0.50    | 84        | 18      | 175     |
| 2019-M05-S01 | 0.25    | 0.05    | 0.54    | 88        | 18      | 189     |
| 2019-M05-S02 | 0.32    | 0.14    | 0.52    | 112       | 49      | 181     |
| 2019-M06-S01 | 0.35    | 0.14    | 0.59    | 122       | 49      | 205     |
| 2019-M06-S02 | 0.55    | 0.25    | 0.89    | 190       | 88      | 309     |
| 2019-M07-S01 | 0.15    | 0.03    | 0.27    | 51        | 10      | 94      |
| 2019-M07-S02 | 0.09    | 0.00    | 0.25    | 30        | 0       | 88      |
| 2019-M08-S01 | 0.09    | 0.03    | 0.17    | 31        | 10      | 59      |
| 2019-M08-S02 | 0.05    | 0.00    | 0.13    | 17        | 0       | 47      |
| 2019-M09-S01 | 0.12    | 0.00    | 0.28    | 41        | 0       | 97      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-427: Sandwich tern density and abundance estimates at DEP by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-428: Shag density and abundance estimates at DEP by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-429: Shag density and abundance estimates at DEP by survey – birds in flight

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-430: Shag density and abundance estimates at DEP by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-431: Tufted duck density and abundance estimates at DEP by survey – all birds

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-432: Woodpigeon density and abundance estimates at DEP by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-433: Woodpigeon density and abundance estimates at DEP by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.03    | 0.00    | 0.09    | 10        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-434: Woodpigeon density and abundance estimates at DEP by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

### 13.1.6.7 Aerial Survey Study Area

Table 13-435: Arctic skua density and abundance estimates in aerial survey study area by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-436: Arctic skua density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-437: Arctic skua density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-438: Arctic tern density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.04    | 0.00    | 0.09    | 50        | 0       | 117     |
| 2019-M05-S01 | 0.02    | 0.00    | 0.05    | 20        | 0       | 60      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-439: Arctic tern density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.03    | 0.00    | 0.08    | 39        | 0       | 99      |
| 2019-M05-S01 | 0.02    | 0.00    | 0.05    | 20        | 0       | 60      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-440 Arctic tern density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-441: Black-headed gull density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.02    | 0.00    | 0.05    | 20        | 0       | 60      |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.09    | 0.02    | 0.19    | 110       | 20      | 240     |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.08    | 0.00    | 0.18    | 100       | 0       | 227     |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.10    | 0.04    | 0.18    | 129       | 49      | 229     |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.09    | 0.00    | 0.22    | 120       | 0       | 274     |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-442: Black-headed gull density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.02    | 0.00    | 0.05    | 20        | 0       | 59      |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.09    | 0.02    | 0.18    | 111       | 20      | 233     |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.08    | 0.00    | 0.17    | 101       | 0       | 219     |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.09    | 0.03    | 0.17    | 117       | 39      | 213     |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.10    | 0.00    | 0.23    | 121       | 0       | 287     |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-443: Black-headed gull density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-444 :Common gull density and abundance estimates in aerial survey study area by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.03    | 0.00    | 0.07    | 41        | 0       | 94      |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M02-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 67      |
| 2019-M03-S01 | 0.03    | 0.01    | 0.06    | 40        | 10      | 78      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.13    | 0.00    | 0.39    | 162       | 0       | 500     |
| 2019-M05-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 60      |
| 2019-M05-S02 | 0.03    | 0.01    | 0.06    | 40        | 10      | 78      |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M09-S01 | 0.02    | 0.00    | 0.05    | 22        | 0       | 64      |
| 2019-M10-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M11-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M12-S01 | 0.10    | 0.04    | 0.18    | 130       | 57      | 229     |
| 2020-M01-S01 | 0.03    | 0.00    | 0.08    | 40        | 0       | 104     |
| 2020-M02-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2020-M03-S01 | 0.02    | 0.00    | 0.06    | 31        | 0       | 77      |
| 2020-M04-S01 | 0.03    | 0.00    | 0.07    | 40        | 0       | 86      |

Table 13-445: Common gull density and abundance estimates in aerial survey study area by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.03    | 0.00    | 0.07    | 41        | 0       | 95      |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M02-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 50      |
| 2019-M03-S01 | 0.03    | 0.01    | 0.06    | 40        | 10      | 77      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.02    | 0.00    | 0.05    | 31        | 0       | 67      |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M11-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M12-S01 | 0.09    | 0.04    | 0.18    | 119       | 48      | 224     |
| 2020-M01-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 77      |
| 2020-M02-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2020-M03-S01 | 0.02    | 0.00    | 0.06    | 31        | 0       | 77      |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M04-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |

*Table 13-446: Common gull density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.11    | 0.00    | 0.30    | 137       | 0       | 386     |
| 2019-M05-S01 | 0.02    | 0.00    | 0.05    | 31        | 0       | 60      |
| 2019-M05-S02 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.02    | 0.00    | 0.05    | 22        | 0       | 64      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2020-M01-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.02    | 0.00    | 0.05    | 21        | 0       | 60      |

*Table 13-447: Common scoter density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.07    | 0.00    | 0.21    | 91        | 0       | 268     |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.02    | 0.00    | 0.05    | 21        | 0       | 60      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.02    | 0.00    | 0.05    | 21        | 0       | 60      |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-448: Common scoter density and abundance estimates in aerial survey study area by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.07    | 0.00    | 0.21    | 91        | 0       | 267     |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.02    | 0.00    | 0.05    | 20        | 0       | 60      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-449: Common scoter density and abundance estimates in aerial survey study area by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.02    | 0.00    | 0.05    | 21        | 0       | 60      |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-450: Common tern density and abundance estimates in aerial survey study area by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.12    | 0.00    | 0.35    | 151       | 0       | 446     |
| 2019-M04-S02 | 0.14    | 0.02    | 0.33    | 181       | 20      | 418     |
| 2019-M05-S01 | 0.11    | 0.03    | 0.21    | 143       | 40      | 262     |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M06-S02 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.09    | 0.02    | 0.18    | 120       | 30      | 233     |
| 2019-M09-S01 | 0.01    | 0.00    | 0.03    | 11        | 0       | 32      |
| 2019-M10-S01 | 0.03    | 0.00    | 0.08    | 40        | 0       | 107     |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-451: Common tern density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.06    | 0.00    | 0.16    | 72        | 0       | 209     |
| 2019-M04-S02 | 0.07    | 0.01    | 0.14    | 90        | 10      | 180     |
| 2019-M05-S01 | 0.11    | 0.04    | 0.20    | 145       | 48      | 258     |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M06-S02 | 0.02    | 0.00    | 0.04    | 20        | 0       | 48      |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.10    | 0.02    | 0.19    | 122       | 30      | 238     |
| 2019-M09-S01 | 0.01    | 0.00    | 0.03    | 11        | 0       | 32      |
| 2019-M10-S01 | 0.03    | 0.00    | 0.08    | 38        | 0       | 106     |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-452: Common tern density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.06    | 0.00    | 0.19    | 82        | 0       | 238     |
| 2019-M04-S02 | 0.07    | 0.00    | 0.21    | 89        | 0       | 267     |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-453: Cormorant density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.02    | 0.00    | 0.05    | 21        | 0       | 60      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S02 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.05    | 0.00    | 0.14    | 61        | 0       | 180     |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-454: Cormorant density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.02    | 0.00    | 0.05    | 20        | 0       | 59      |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.05    | 0.00    | 0.14    | 60        | 0       | 179     |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-455: Cormorant density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-456: Fulmar density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M06-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2018-M07-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M08-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 50      |
| 2018-M09-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.02    | 0.00    | 0.05    | 31        | 0       | 68      |
| 2019-M03-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |
| 2019-M04-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 60      |
| 2019-M04-S02 | 0.05    | 0.01    | 0.10    | 60        | 10      | 128     |
| 2019-M05-S01 | 0.06    | 0.02    | 0.11    | 81        | 30      | 134     |
| 2019-M05-S02 | 0.02    | 0.00    | 0.05    | 31        | 0       | 68      |
| 2019-M06-S01 | 0.05    | 0.02    | 0.08    | 60        | 20      | 99      |
| 2019-M06-S02 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M07-S01 | 0.05    | 0.01    | 0.09    | 60        | 19      | 108     |
| 2019-M07-S02 | 0.05    | 0.00    | 0.12    | 60        | 0       | 150     |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M09-S01 | 0.07    | 0.01    | 0.14    | 85        | 11      | 172     |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2020-M01-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2020-M02-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2020-M03-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 78      |
| 2020-M04-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |



*Table 13-457: Fulmar density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M06-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 50      |
| 2018-M07-S01 | 0.01    | 0.00    | 0.03    | 11        | 0       | 38      |
| 2018-M08-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 50      |
| 2018-M09-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 50      |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |
| 2019-M04-S02 | 0.02    | 0.00    | 0.06    | 30        | 0       | 76      |
| 2019-M05-S01 | 0.05    | 0.01    | 0.09    | 60        | 19      | 115     |
| 2019-M05-S02 | 0.02    | 0.00    | 0.04    | 20        | 0       | 50      |
| 2019-M06-S01 | 0.02    | 0.00    | 0.05    | 31        | 0       | 60      |
| 2019-M06-S02 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M07-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 79      |
| 2019-M07-S02 | 0.02    | 0.00    | 0.04    | 21        | 0       | 50      |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M09-S01 | 0.05    | 0.00    | 0.13    | 66        | 0       | 159     |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |
| 2020-M01-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 48      |
| 2020-M02-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2020-M03-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 76      |
| 2020-M04-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |

*Table 13-458: Fulmar density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M03-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M04-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M04-S02 | 0.02    | 0.00    | 0.07    | 30        | 0       | 90      |
| 2019-M05-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M05-S02 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M06-S01 | 0.02    | 0.00    | 0.05    | 31        | 0       | 68      |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 66      |
| 2019-M07-S02 | 0.03    | 0.00    | 0.09    | 40        | 0       | 108     |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.02    | 0.00    | 0.04    | 22        | 0       | 52      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-459: Gannet density and abundance estimates in aerial survey study area by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.02    | 0.00    | 0.05    | 20        | 0       | 60      |
| 2018-M06-S01 | 0.04    | 0.01    | 0.08    | 50        | 10      | 99      |
| 2018-M07-S01 | 0.16    | 0.02    | 0.39    | 199       | 20      | 490     |
| 2018-M08-S01 | 0.13    | 0.05    | 0.22    | 159       | 67      | 276     |
| 2018-M09-S01 | 0.18    | 0.09    | 0.29    | 222       | 112     | 364     |
| 2018-M10-S01 | 0.32    | 0.06    | 0.67    | 409       | 76      | 854     |
| 2018-M11-S01 | 1.73    | 1.37    | 2.08    | 2194      | 1737    | 2630    |
| 2018-M12-S01 | 0.09    | 0.04    | 0.15    | 111       | 48      | 194     |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.04    | 0.00    | 0.08    | 51        | 0       | 106     |
| 2019-M03-S01 | 0.05    | 0.01    | 0.10    | 61        | 10      | 128     |
| 2019-M04-S01 | 0.22    | 0.06    | 0.42    | 280       | 76      | 537     |
| 2019-M04-S02 | 0.10    | 0.06    | 0.15    | 130       | 70      | 189     |
| 2019-M05-S01 | 0.09    | 0.03    | 0.17    | 119       | 39      | 218     |
| 2019-M05-S02 | 0.08    | 0.02    | 0.15    | 99        | 29      | 191     |
| 2019-M06-S01 | 0.04    | 0.00    | 0.08    | 50        | 0       | 106     |
| 2019-M06-S02 | 0.04    | 0.01    | 0.07    | 51        | 19      | 87      |
| 2019-M07-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 60      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S02 | 0.10    | 0.05    | 0.16    | 131       | 69      | 198     |
| 2019-M08-S01 | 0.17    | 0.07    | 0.29    | 211       | 86      | 372     |
| 2019-M08-S02 | 0.17    | 0.09    | 0.27    | 220       | 114     | 348     |
| 2019-M09-S01 | 0.66    | 0.34    | 1.07    | 838       | 434     | 1351    |
| 2019-M10-S01 | 0.31    | 0.17    | 0.47    | 397       | 220     | 596     |
| 2019-M11-S01 | 0.88    | 0.58    | 1.23    | 1115      | 736     | 1555    |
| 2019-M12-S01 | 0.03    | 0.00    | 0.07    | 40        | 0       | 88      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.06    | 0.01    | 0.13    | 80        | 10      | 161     |
| 2020-M03-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 68      |
| 2020-M04-S01 | 0.56    | 0.24    | 0.95    | 710       | 300     | 1202    |

Table 13-460: Gannet density and abundance estimates in aerial survey study area by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M06-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M07-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M08-S01 | 0.03    | 0.01    | 0.06    | 40        | 10      | 77      |
| 2018-M09-S01 | 0.07    | 0.02    | 0.14    | 90        | 29      | 170     |
| 2018-M10-S01 | 0.07    | 0.02    | 0.15    | 94        | 20      | 193     |
| 2018-M11-S01 | 0.77    | 0.63    | 0.94    | 977       | 804     | 1189    |
| 2018-M12-S01 | 0.06    | 0.02    | 0.11    | 80        | 29      | 140     |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.03    | 0.00    | 0.08    | 41        | 0       | 98      |
| 2019-M03-S01 | 0.04    | 0.00    | 0.09    | 50        | 0       | 116     |
| 2019-M04-S01 | 0.14    | 0.04    | 0.26    | 173       | 57      | 328     |
| 2019-M04-S02 | 0.08    | 0.04    | 0.12    | 100       | 49      | 149     |
| 2019-M05-S01 | 0.05    | 0.01    | 0.11    | 69        | 19      | 138     |
| 2019-M05-S02 | 0.05    | 0.01    | 0.11    | 69        | 10      | 142     |
| 2019-M06-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |
| 2019-M06-S02 | 0.03    | 0.01    | 0.06    | 41        | 10      | 77      |
| 2019-M07-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 50      |
| 2019-M07-S02 | 0.06    | 0.02    | 0.10    | 71        | 20      | 124     |
| 2019-M08-S01 | 0.05    | 0.00    | 0.13    | 68        | 0       | 162     |
| 2019-M08-S02 | 0.06    | 0.02    | 0.11    | 81        | 30      | 135     |
| 2019-M09-S01 | 0.26    | 0.18    | 0.32    | 324       | 233     | 410     |
| 2019-M10-S01 | 0.16    | 0.06    | 0.29    | 208       | 77      | 367     |
| 2019-M11-S01 | 0.34    | 0.21    | 0.50    | 436       | 266     | 629     |
| 2019-M12-S01 | 0.03    | 0.00    | 0.07    | 41        | 0       | 88      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.04    | 0.00    | 0.09    | 50        | 0       | 116     |
| 2020-M03-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 68      |
| 2020-M04-S01 | 0.19    | 0.11    | 0.28    | 240       | 138     | 350     |

*Table 13-461: Gannet density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M06-S01 | 0.03    | 0.00    | 0.07    | 40        | 0       | 89      |
| 2018-M07-S01 | 0.15    | 0.01    | 0.39    | 190       | 10      | 489     |
| 2018-M08-S01 | 0.10    | 0.03    | 0.18    | 120       | 39      | 221     |
| 2018-M09-S01 | 0.10    | 0.05    | 0.18    | 130       | 57      | 222     |
| 2018-M10-S01 | 0.25    | 0.04    | 0.55    | 320       | 47      | 694     |
| 2018-M11-S01 | 0.95    | 0.68    | 1.22    | 1207      | 858     | 1546    |
| 2018-M12-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 78      |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M03-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M04-S01 | 0.09    | 0.00    | 0.19    | 112       | 0       | 246     |
| 2019-M04-S02 | 0.02    | 0.00    | 0.05    | 31        | 0       | 60      |
| 2019-M05-S01 | 0.04    | 0.00    | 0.11    | 51        | 0       | 139     |
| 2019-M05-S02 | 0.02    | 0.00    | 0.05    | 30        | 0       | 60      |
| 2019-M06-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M06-S02 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.05    | 0.02    | 0.08    | 61        | 29      | 99      |
| 2019-M08-S01 | 0.11    | 0.05    | 0.18    | 139       | 67      | 230     |
| 2019-M08-S02 | 0.11    | 0.05    | 0.19    | 140       | 58      | 247     |
| 2019-M09-S01 | 0.39    | 0.12    | 0.73    | 493       | 152     | 923     |
| 2019-M10-S01 | 0.15    | 0.06    | 0.27    | 190       | 70      | 337     |
| 2019-M11-S01 | 0.53    | 0.27    | 0.84    | 669       | 345     | 1069    |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 78      |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.36    | 0.10    | 0.68    | 458       | 132     | 857     |

*Table 13-462: Golden plover density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.04    | 0.00    | 0.12    | 51        | 0       | 149     |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-463: Golden plover density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.04    | 0.00    | 0.12    | 51        | 0       | 149     |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-464: Golden plover density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-465: Great black-backed gull density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 48      |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M08-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M09-S01 | 0.06    | 0.02    | 0.11    | 70        | 19      | 135     |
| 2018-M10-S01 | 0.06    | 0.00    | 0.15    | 80        | 0       | 189     |
| 2018-M11-S01 | 0.46    | 0.18    | 0.81    | 582       | 233     | 1032    |
| 2018-M12-S01 | 0.23    | 0.09    | 0.42    | 288       | 117     | 529     |
| 2019-M01-S01 | 0.03    | 0.00    | 0.07    | 41        | 0       | 89      |
| 2019-M02-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 60      |
| 2019-M03-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M05-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 77      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.07    | 0.00    | 0.17    | 86        | 0       | 219     |
| 2019-M10-S01 | 0.02    | 0.00    | 0.05    | 31        | 0       | 60      |
| 2019-M11-S01 | 0.31    | 0.19    | 0.45    | 399       | 244     | 567     |
| 2019-M12-S01 | 0.06    | 0.03    | 0.10    | 81        | 39      | 130     |
| 2020-M01-S01 | 0.07    | 0.02    | 0.13    | 90        | 20      | 169     |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.02    | 0.00    | 0.05    | 21        | 0       | 60      |
| 2020-M04-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |

*Table 13-466: Great black-backed gull density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2018-M10-S01 | 0.02    | 0.01    | 0.05    | 30        | 10      | 60      |
| 2018-M11-S01 | 0.16    | 0.07    | 0.28    | 209       | 89      | 358     |
| 2018-M12-S01 | 0.16    | 0.06    | 0.31    | 198       | 75      | 387     |
| 2019-M01-S01 | 0.03    | 0.00    | 0.07    | 41        | 0       | 89      |
| 2019-M02-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |
| 2019-M05-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.02    | 0.00    | 0.05    | 20        | 0       | 60      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.01    | 0.00    | 0.03    | 11        | 0       | 33      |
| 2019-M10-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M11-S01 | 0.24    | 0.13    | 0.37    | 301       | 159     | 466     |
| 2019-M12-S01 | 0.04    | 0.01    | 0.08    | 51        | 10      | 96      |
| 2020-M01-S01 | 0.05    | 0.01    | 0.10    | 60        | 10      | 127     |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-467: Great black-backed gull density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M08-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M09-S01 | 0.04    | 0.00    | 0.09    | 50        | 0       | 110     |
| 2018-M10-S01 | 0.04    | 0.00    | 0.11    | 51        | 0       | 137     |
| 2018-M11-S01 | 0.28    | 0.09    | 0.56    | 357       | 108     | 716     |
| 2018-M12-S01 | 0.07    | 0.02    | 0.13    | 91        | 29      | 170     |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M03-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.06    | 0.00    | 0.15    | 75        | 0       | 190     |
| 2019-M10-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M11-S01 | 0.07    | 0.03    | 0.11    | 90        | 40      | 145     |
| 2019-M12-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 60      |
| 2020-M01-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 77      |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2020-M04-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |

*Table 13-468: Great crested grebe density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-469 Great crested grebe density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-470 Great crested grebe density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 50      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-471: Great skua density and abundance estimates in aerial survey study area by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M11-S01 | 0.01    | 0.00    | 0.03    | 11        | 0       | 38      |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-472: Great skua density and abundance estimates in aerial survey study area by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M11-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-473: Great skua density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-474: Guillemot density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.91    | 1.57    | 2.28    | 2378      | 1955    | 2845    |
| 2018-M06-S01 | 0.68    | 0.47    | 0.92    | 845       | 590     | 1150    |
| 2018-M07-S01 | 0.87    | 0.48    | 1.34    | 1084      | 598     | 1672    |
| 2018-M08-S01 | 8.58    | 4.03    | 13.94   | 10668     | 5012    | 17358   |
| 2018-M09-S01 | 2.89    | 1.15    | 5.16    | 3593      | 1432    | 6421    |
| 2018-M10-S01 | 17.24   | 5.93    | 32.05   | 21829     | 7518    | 40623   |
| 2018-M11-S01 | 3.48    | 2.87    | 4.12    | 4409      | 3637    | 5221    |
| 2018-M12-S01 | 2.17    | 1.47    | 2.98    | 2743      | 1865    | 3773    |
| 2019-M01-S01 | 0.67    | 0.45    | 0.90    | 849       | 575     | 1143    |
| 2019-M02-S01 | 0.82    | 0.65    | 1.00    | 1040      | 830     | 1269    |
| 2019-M03-S01 | 0.31    | 0.14    | 0.51    | 392       | 177     | 652     |
| 2019-M04-S01 | 1.01    | 0.55    | 1.53    | 1279      | 700     | 1939    |
| 2019-M04-S02 | 2.33    | 1.96    | 2.68    | 2945      | 2489    | 3400    |
| 2019-M05-S01 | 3.21    | 2.39    | 4.05    | 4067      | 3027    | 5132    |
| 2019-M05-S02 | 0.29    | 0.18    | 0.42    | 369       | 227     | 526     |
| 2019-M06-S01 | 0.52    | 0.38    | 0.68    | 660       | 483     | 864     |
| 2019-M06-S02 | 0.28    | 0.18    | 0.39    | 360       | 230     | 492     |
| 2019-M07-S01 | 1.16    | 0.50    | 1.97    | 1470      | 635     | 2501    |
| 2019-M07-S02 | 0.59    | 0.19    | 1.08    | 744       | 246     | 1367    |
| 2019-M08-S01 | 0.53    | 0.15    | 1.05    | 667       | 184     | 1327    |
| 2019-M08-S02 | 1.43    | 0.48    | 2.92    | 1812      | 603     | 3697    |
| 2019-M09-S01 | 20.14   | 9.87    | 32.99   | 25502     | 12509   | 41818   |
| 2019-M10-S01 | 5.28    | 4.11    | 6.33    | 6682      | 5210    | 8019    |
| 2019-M11-S01 | 2.06    | 1.50    | 2.66    | 2607      | 1903    | 3368    |
| 2019-M12-S01 | 1.11    | 0.85    | 1.44    | 1402      | 1072    | 1822    |
| 2020-M01-S01 | 0.70    | 0.50    | 0.92    | 887       | 633     | 1170    |
| 2020-M02-S01 | 0.60    | 0.44    | 0.78    | 759       | 552     | 983     |
| 2020-M03-S01 | 3.49    | 2.74    | 4.36    | 4419      | 3472    | 5525    |
| 2020-M04-S01 | 10.22   | 6.11    | 15.49   | 12940     | 7746    | 19637   |

*Table 13-475: Guillemot density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.06    | 0.02    | 0.10    | 71        | 29      | 119     |
| 2018-M06-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M07-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2018-M10-S01 | 0.10    | 0.02    | 0.22    | 122       | 20      | 277     |
| 2018-M11-S01 | 0.03    | 0.01    | 0.06    | 41        | 10      | 78      |
| 2018-M12-S01 | 0.07    | 0.04    | 0.11    | 90        | 48      | 137     |
| 2019-M01-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 60      |
| 2019-M02-S01 | 0.04    | 0.00    | 0.15    | 51        | 0       | 187     |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M04-S02 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |
| 2019-M05-S01 | 0.04    | 0.01    | 0.07    | 51        | 19      | 87      |
| 2019-M05-S02 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M06-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.04    | 0.00    | 0.10    | 55        | 0       | 133     |
| 2019-M10-S01 | 0.03    | 0.01    | 0.07    | 40        | 10      | 86      |
| 2019-M11-S01 | 0.10    | 0.02    | 0.22    | 131       | 20      | 277     |
| 2019-M12-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 48      |
| 2020-M01-S01 | 0.02    | 0.00    | 0.05    | 31        | 0       | 68      |
| 2020-M02-S01 | 0.09    | 0.01    | 0.23    | 111       | 10      | 287     |
| 2020-M03-S01 | 0.14    | 0.07    | 0.24    | 183       | 88      | 299     |
| 2020-M04-S01 | 1.01    | 0.60    | 1.56    | 1283      | 756     | 1975    |

*Table 13-476: Guillemot density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 1.85    | 1.53    | 2.20    | 2305      | 1900    | 2737    |
| 2018-M06-S01 | 0.67    | 0.48    | 0.90    | 839       | 600     | 1123    |
| 2018-M07-S01 | 0.86    | 0.47    | 1.32    | 1076      | 583     | 1646    |
| 2018-M08-S01 | 8.54    | 3.96    | 13.85   | 10624     | 4936    | 17244   |
| 2018-M09-S01 | 2.88    | 1.14    | 5.17    | 3587      | 1425    | 6442    |
| 2018-M10-S01 | 17.19   | 5.76    | 31.85   | 21756     | 7296    | 40363   |
| 2018-M11-S01 | 3.44    | 2.83    | 4.05    | 4354      | 3586    | 5134    |
| 2018-M12-S01 | 2.10    | 1.41    | 2.91    | 2653      | 1792    | 3694    |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M01-S01 | 0.65    | 0.43    | 0.88    | 818       | 541     | 1112    |
| 2019-M02-S01 | 0.78    | 0.64    | 0.93    | 989       | 811     | 1173    |
| 2019-M03-S01 | 0.31    | 0.13    | 0.51    | 389       | 169     | 642     |
| 2019-M04-S01 | 1.00    | 0.56    | 1.48    | 1263      | 709     | 1870    |
| 2019-M04-S02 | 2.31    | 1.97    | 2.67    | 2928      | 2496    | 3385    |
| 2019-M05-S01 | 3.16    | 2.36    | 3.98    | 4003      | 2996    | 5050    |
| 2019-M05-S02 | 0.28    | 0.17    | 0.41    | 359       | 210     | 524     |
| 2019-M06-S01 | 0.50    | 0.36    | 0.67    | 640       | 456     | 847     |
| 2019-M06-S02 | 0.28    | 0.18    | 0.39    | 360       | 229     | 489     |
| 2019-M07-S01 | 1.14    | 0.48    | 1.97    | 1444      | 607     | 2503    |
| 2019-M07-S02 | 0.59    | 0.20    | 1.10    | 743       | 251     | 1389    |
| 2019-M08-S01 | 0.53    | 0.13    | 1.04    | 667       | 170     | 1321    |
| 2019-M08-S02 | 1.43    | 0.47    | 2.94    | 1809      | 596     | 3721    |
| 2019-M09-S01 | 20.18   | 9.64    | 33.12   | 25550     | 12224   | 41976   |
| 2019-M10-S01 | 5.25    | 4.10    | 6.29    | 6653      | 5201    | 7969    |
| 2019-M11-S01 | 1.96    | 1.45    | 2.55    | 2483      | 1833    | 3232    |
| 2019-M12-S01 | 1.09    | 0.83    | 1.41    | 1386      | 1057    | 1791    |
| 2020-M01-S01 | 0.68    | 0.48    | 0.89    | 859       | 613     | 1131    |
| 2020-M02-S01 | 0.51    | 0.38    | 0.66    | 649       | 481     | 837     |
| 2020-M03-S01 | 3.34    | 2.60    | 4.23    | 4224      | 3295    | 5358    |
| 2020-M04-S01 | 9.26    | 5.51    | 14.31   | 11721     | 6981    | 18140   |

Table 13-477: Herring gull density and abundance estimates in aerial survey study area by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M10-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 76      |
| 2018-M11-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M12-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M01-S01 | 0.04    | 0.01    | 0.07    | 51        | 19      | 90      |
| 2019-M02-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 60      |
| 2019-M03-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M04-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M04-S02 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.09    | 0.00    | 0.22    | 110       | 0       | 285     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.06    | 30        | 0       | 77      |
| 2019-M09-S01 | 0.01    | 0.00    | 0.03    | 11        | 0       | 32      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M12-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 77      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |
| 2020-M03-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 50      |
| 2020-M04-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 60      |

*Table 13-478: Herring gull density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 77      |
| 2018-M11-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M12-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M01-S01 | 0.03    | 0.01    | 0.06    | 41        | 10      | 78      |
| 2019-M02-S01 | 0.02    | 0.00    | 0.05    | 31        | 0       | 67      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M04-S02 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.03    | 0.00    | 0.06    | 40        | 0       | 80      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |
| 2019-M12-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2020-M03-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 50      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M04-S01 | 0.02    | 0.00    | 0.05    | 31        | 0       | 60      |

*Table 13-479: Herring gull density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.05    | 0.00    | 0.16    | 70        | 0       | 208     |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.06    | 30        | 0       | 76      |
| 2019-M09-S01 | 0.01    | 0.00    | 0.03    | 11        | 0       | 33      |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.02    | 0.00    | 0.05    | 20        | 0       | 60      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-480: Kestrel density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-481: Kestrel density and abundance estimates in aerial survey study area by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.02    | 0.00    | 0.04    | 21        | 0       | 50      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-482: Kestrel density and abundance estimates in aerial survey study area by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-483: Kittiwake density and abundance estimates in aerial survey study area by survey – all birds

| w            | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.58    | 0.26    | 0.94    | 720       | 327     | 1176    |
| 2018-M06-S01 | 0.74    | 0.38    | 1.14    | 917       | 472     | 1421    |
| 2018-M07-S01 | 0.42    | 0.15    | 0.73    | 522       | 188     | 910     |
| 2018-M08-S01 | 1.78    | 0.57    | 3.27    | 2218      | 705     | 4070    |
| 2018-M09-S01 | 0.54    | 0.18    | 0.98    | 677       | 227     | 1226    |
| 2018-M10-S01 | 2.76    | 0.32    | 6.86    | 3491      | 403     | 8689    |
| 2018-M11-S01 | 0.21    | 0.16    | 0.27    | 270       | 197     | 343     |
| 2018-M12-S01 | 0.10    | 0.02    | 0.21    | 131       | 20      | 268     |
| 2019-M01-S01 | 0.10    | 0.05    | 0.16    | 129       | 68      | 198     |
| 2019-M02-S01 | 0.16    | 0.06    | 0.27    | 199       | 79      | 341     |
| 2019-M03-S01 | 0.05    | 0.01    | 0.10    | 61        | 10      | 131     |
| 2019-M04-S01 | 0.92    | 0.45    | 1.45    | 1162      | 565     | 1837    |
| 2019-M04-S02 | 1.03    | 0.71    | 1.41    | 1308      | 894     | 1790    |
| 2019-M05-S01 | 0.35    | 0.19    | 0.53    | 447       | 236     | 677     |
| 2019-M05-S02 | 0.30    | 0.04    | 0.75    | 378       | 48      | 948     |
| 2019-M06-S01 | 0.14    | 0.03    | 0.29    | 180       | 40      | 372     |

| w            | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M06-S02 | 0.07    | 0.02    | 0.12    | 90        | 30      | 158     |
| 2019-M07-S01 | 0.17    | 0.07    | 0.30    | 219       | 90      | 375     |
| 2019-M07-S02 | 0.14    | 0.06    | 0.23    | 180       | 77      | 297     |
| 2019-M08-S01 | 0.06    | 0.01    | 0.11    | 71        | 19      | 138     |
| 2019-M08-S02 | 0.47    | 0.09    | 1.11    | 600       | 109     | 1411    |
| 2019-M09-S01 | 3.62    | 1.43    | 7.17    | 4583      | 1811    | 9082    |
| 2019-M10-S01 | 0.14    | 0.06    | 0.24    | 180       | 79      | 310     |
| 2019-M11-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 79      |
| 2019-M12-S01 | 0.22    | 0.14    | 0.31    | 280       | 174     | 391     |
| 2020-M01-S01 | 0.12    | 0.05    | 0.19    | 150       | 68      | 244     |
| 2020-M02-S01 | 0.11    | 0.06    | 0.16    | 140       | 79      | 206     |
| 2020-M03-S01 | 0.11    | 0.07    | 0.16    | 140       | 87      | 197     |
| 2020-M04-S01 | 4.29    | 2.80    | 5.90    | 5430      | 3550    | 7480    |

*Table 13-484: Kittiwake density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.21    | 0.07    | 0.39    | 256       | 87      | 485     |
| 2018-M06-S01 | 0.18    | 0.11    | 0.26    | 222       | 133     | 319     |
| 2018-M07-S01 | 0.11    | 0.02    | 0.25    | 139       | 29      | 311     |
| 2018-M08-S01 | 0.40    | 0.16    | 0.69    | 503       | 205     | 864     |
| 2018-M09-S01 | 0.31    | 0.09    | 0.64    | 384       | 107     | 792     |
| 2018-M10-S01 | 0.79    | 0.08    | 1.92    | 996       | 96      | 2435    |
| 2018-M11-S01 | 0.12    | 0.07    | 0.17    | 151       | 88      | 219     |
| 2018-M12-S01 | 0.09    | 0.02    | 0.18    | 110       | 20      | 231     |
| 2019-M01-S01 | 0.09    | 0.05    | 0.13    | 111       | 59      | 167     |
| 2019-M02-S01 | 0.08    | 0.02    | 0.16    | 107       | 29      | 204     |
| 2019-M03-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M04-S01 | 0.58    | 0.26    | 0.94    | 732       | 329     | 1196    |
| 2019-M04-S02 | 0.40    | 0.25    | 0.54    | 501       | 318     | 680     |
| 2019-M05-S01 | 0.12    | 0.02    | 0.27    | 155       | 30      | 345     |
| 2019-M05-S02 | 0.05    | 0.01    | 0.13    | 70        | 10      | 162     |
| 2019-M06-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 78      |
| 2019-M06-S02 | 0.04    | 0.01    | 0.08    | 50        | 10      | 97      |
| 2019-M07-S01 | 0.09    | 0.04    | 0.16    | 121       | 48      | 199     |
| 2019-M07-S02 | 0.04    | 0.02    | 0.07    | 51        | 20      | 86      |
| 2019-M08-S01 | 0.03    | 0.00    | 0.07    | 40        | 0       | 90      |
| 2019-M08-S02 | 0.02    | 0.00    | 0.05    | 30        | 0       | 60      |
| 2019-M09-S01 | 1.16    | 0.79    | 1.50    | 1467      | 1006    | 1903    |
| 2019-M10-S01 | 0.08    | 0.02    | 0.15    | 99        | 29      | 188     |
| 2019-M11-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 79      |
| 2019-M12-S01 | 0.16    | 0.08    | 0.24    | 199       | 98      | 309     |
| 2020-M01-S01 | 0.06    | 0.02    | 0.12    | 81        | 28      | 146     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M02-S01 | 0.04    | 0.01    | 0.08    | 51        | 10      | 97      |
| 2020-M03-S01 | 0.10    | 0.06    | 0.15    | 132       | 70      | 194     |
| 2020-M04-S01 | 1.67    | 1.08    | 2.30    | 2119      | 1363    | 2917    |

*Table 13-485: Kittiwake density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.37    | 0.15    | 0.64    | 460       | 185     | 799     |
| 2018-M06-S01 | 0.56    | 0.27    | 0.90    | 698       | 338     | 1115    |
| 2018-M07-S01 | 0.30    | 0.09    | 0.57    | 378       | 115     | 711     |
| 2018-M08-S01 | 1.38    | 0.34    | 2.62    | 1723      | 421     | 3265    |
| 2018-M09-S01 | 0.23    | 0.02    | 0.51    | 288       | 19      | 641     |
| 2018-M10-S01 | 1.97    | 0.22    | 4.84    | 2492      | 284     | 6140    |
| 2018-M11-S01 | 0.09    | 0.05    | 0.14    | 120       | 69      | 178     |
| 2018-M12-S01 | 0.02    | 0.00    | 0.05    | 20        | 0       | 60      |
| 2019-M01-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |
| 2019-M02-S01 | 0.07    | 0.02    | 0.12    | 90        | 30      | 157     |
| 2019-M03-S01 | 0.04    | 0.01    | 0.08    | 50        | 10      | 99      |
| 2019-M04-S01 | 0.35    | 0.09    | 0.68    | 438       | 109     | 865     |
| 2019-M04-S02 | 0.64    | 0.38    | 0.96    | 809       | 476     | 1219    |
| 2019-M05-S01 | 0.23    | 0.09    | 0.39    | 298       | 115     | 498     |
| 2019-M05-S02 | 0.24    | 0.02    | 0.61    | 301       | 20      | 775     |
| 2019-M06-S01 | 0.12    | 0.02    | 0.25    | 150       | 30      | 319     |
| 2019-M06-S02 | 0.03    | 0.00    | 0.08    | 41        | 0       | 107     |
| 2019-M07-S01 | 0.08    | 0.02    | 0.15    | 100       | 29      | 187     |
| 2019-M07-S02 | 0.10    | 0.04    | 0.19    | 130       | 48      | 236     |
| 2019-M08-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 78      |
| 2019-M08-S02 | 0.45    | 0.06    | 1.08    | 569       | 76      | 1368    |
| 2019-M09-S01 | 2.44    | 0.51    | 5.77    | 3095      | 645     | 7312    |
| 2019-M10-S01 | 0.06    | 0.03    | 0.10    | 80        | 39      | 127     |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.06    | 0.03    | 0.10    | 80        | 39      | 126     |
| 2020-M01-S01 | 0.06    | 0.01    | 0.11    | 71        | 19      | 141     |
| 2020-M02-S01 | 0.07    | 0.03    | 0.13    | 90        | 38      | 159     |
| 2020-M03-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2020-M04-S01 | 2.60    | 1.61    | 3.74    | 3287      | 2040    | 4745    |

*Table 13-486: Knot density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.29    | 0.00    | 0.89    | 373       | 0       | 1132    |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-487: Knot density and abundance estimates in aerial survey study area by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.29    | 0.00    | 0.89    | 372       | 0       | 1122    |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-488: Knot density and abundance estimates in aerial survey study area by survey – birds on sea

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-489: Lapwing density and abundance estimates in aerial survey study area by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

Table 13-490: Lapwing density and abundance estimates in aerial survey study area by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-491: Lapwing density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 3-492: Lesser black-backed gull density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M06-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 77      |
| 2018-M07-S01 | 0.14    | 0.06    | 0.22    | 170       | 75      | 277     |
| 2018-M08-S01 | 0.12    | 0.03    | 0.24    | 150       | 40      | 295     |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.02    | 0.00    | 0.06    | 31        | 0       | 76      |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.03    | 0.01    | 0.06    | 40        | 10      | 77      |
| 2019-M04-S02 | 0.05    | 0.01    | 0.10    | 60        | 10      | 123     |
| 2019-M05-S01 | 0.09    | 0.00    | 0.22    | 110       | 0       | 278     |
| 2019-M05-S02 | 0.04    | 0.01    | 0.08    | 51        | 10      | 100     |
| 2019-M06-S01 | 0.15    | 0.00    | 0.42    | 185       | 0       | 535     |
| 2019-M06-S02 | 0.02    | 0.00    | 0.05    | 30        | 0       | 66      |
| 2019-M07-S01 | 0.28    | 0.02    | 0.72    | 349       | 29      | 917     |
| 2019-M07-S02 | 0.05    | 0.02    | 0.09    | 60        | 20      | 110     |
| 2019-M08-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M08-S02 | 0.09    | 0.04    | 0.14    | 111       | 49      | 179     |
| 2019-M09-S01 | 0.02    | 0.00    | 0.05    | 22        | 0       | 64      |
| 2019-M10-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |

*Table 13-493: Lesser black-backed gull density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2018-M07-S01 | 0.02    | 0.00    | 0.06    | 31        | 0       | 77      |
| 2018-M08-S01 | 0.06    | 0.02    | 0.10    | 72        | 30      | 123     |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.02    | 0.01    | 0.05    | 31        | 10      | 60      |
| 2019-M04-S02 | 0.02    | 0.00    | 0.04    | 20        | 0       | 48      |
| 2019-M05-S01 | 0.02    | 0.00    | 0.06    | 32        | 0       | 78      |
| 2019-M05-S02 | 0.02    | 0.00    | 0.05    | 21        | 0       | 60      |
| 2019-M06-S01 | 0.02    | 0.00    | 0.06    | 31        | 0       | 79      |
| 2019-M06-S02 | 0.02    | 0.00    | 0.04    | 20        | 0       | 50      |
| 2019-M07-S01 | 0.05    | 0.01    | 0.11    | 70        | 10      | 139     |
| 2019-M07-S02 | 0.02    | 0.00    | 0.05    | 31        | 0       | 60      |
| 2019-M08-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M08-S02 | 0.05    | 0.02    | 0.09    | 69        | 29      | 117     |
| 2019-M09-S01 | 0.01    | 0.00    | 0.03    | 11        | 0       | 32      |
| 2019-M10-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |

*Table 13-494: Lesser black-backed gull density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.01    | 0.00    | 0.03    | 11        | 0       | 38      |
| 2018-M06-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M07-S01 | 0.11    | 0.05    | 0.19    | 140       | 58      | 235     |
| 2018-M08-S01 | 0.06    | 0.00    | 0.14    | 71        | 0       | 175     |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.02    | 0.00    | 0.06    | 30        | 0       | 77      |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M04-S02 | 0.03    | 0.00    | 0.08    | 40        | 0       | 99      |
| 2019-M05-S01 | 0.06    | 0.00    | 0.19    | 81        | 0       | 239     |
| 2019-M05-S02 | 0.02    | 0.00    | 0.05    | 31        | 0       | 60      |
| 2019-M06-S01 | 0.13    | 0.00    | 0.38    | 163       | 0       | 477     |
| 2019-M06-S02 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M07-S01 | 0.22    | 0.00    | 0.63    | 279       | 0       | 796     |
| 2019-M07-S02 | 0.02    | 0.00    | 0.05    | 31        | 0       | 66      |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.03    | 0.01    | 0.07    | 40        | 10      | 87      |
| 2019-M09-S01 | 0.01    | 0.00    | 0.03    | 11        | 0       | 32      |
| 2019-M10-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-495: Little gull density and abundance estimates in aerial survey study area by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 1.15    | 0.43    | 2.16    | 1456      | 550     | 2741    |
| 2018-M11-S01 | 0.19    | 0.10    | 0.30    | 240       | 125     | 377     |
| 2018-M12-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 50      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.04    | 21        | 0       | 50      |
| 2019-M09-S01 | 0.02    | 0.00    | 0.05    | 22        | 0       | 64      |
| 2019-M10-S01 | 1.37    | 0.93    | 1.87    | 1741      | 1178    | 2372    |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 50      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |

Table 13-496: Little gull density and abundance estimates in aerial survey study area by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.60    | 0.19    | 1.20    | 756       | 239     | 1518    |
| 2018-M11-S01 | 0.16    | 0.08    | 0.24    | 199       | 106     | 305     |
| 2018-M12-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M09-S01 | 0.02    | 0.00    | 0.05    | 22        | 0       | 64      |
| 2019-M10-S01 | 1.03    | 0.66    | 1.44    | 1300      | 841     | 1823    |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M12-S01 | 0.01    | 0.00    | 0.03    | 10        | 0       | 39      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-497: Little gull density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0.56    | 0.15    | 1.09    | 707       | 189     | 1382    |
| 2018-M11-S01 | 0.03    | 0.01    | 0.06    | 40        | 10      | 79      |
| 2018-M12-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0.35    | 0.20    | 0.50    | 438       | 257     | 640     |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 48      |

*Table 13-498: Long-tailed duck density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-499: Long-tailed duck density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2018-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M04-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M05-S02 | 0.01    | 0.00    | 0.03    | 11        | 0       | 38      |
| 2019-M06-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M06-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M07-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M08-S02 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M09-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M10-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M11-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2019-M12-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M01-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M02-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M03-S01 | 0       | 0       | 0       | 0         | 0       | 0       |
| 2020-M04-S01 | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-500: Long-tailed duck density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-501: Manx shearwater density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.05    | 0.00    | 0.15    | 65        | 0       | 192     |
| 2019-M10-S01 | 0.21    | 0.05    | 0.45    | 268       | 59      | 572     |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-502: Manx shearwater density and abundance estimates in aerial survey study area by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.03    | 0.01    | 0.06    | 40        | 10      | 76      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-503: Manx shearwater density and abundance estimates in aerial survey study area by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.05    | 0.00    | 0.15    | 65        | 0       | 192     |
| 2019-M10-S01 | 0.17    | 0.02    | 0.41    | 220       | 28      | 518     |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |



*Table 13-504: Oystercatcher density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-505: Oystercatcher density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-506: Oystercatcher density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-507: Pomarine skua density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-508: Pomarine skua density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-509: Pomarine skua density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-510: Puffin density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.09    | 0.02    | 0.17    | 110       | 20      | 219     |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 60      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.01    | 0.00    | 0.03    | 11        | 0       | 32      |
| 2019-M10-S01 | 0.04    | 0.00    | 0.11    | 51        | 0       | 136     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M11-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 60      |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.04    | 0.02    | 0.07    | 51        | 20      | 86      |
| 2020-M04-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |

*Table 13-511: Puffin density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-512: Puffin density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.09    | 0.01    | 0.17    | 108       | 19      | 220     |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.02    | 0.00    | 0.05    | 31        | 0       | 60      |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.01    | 0.00    | 0.03    | 11        | 0       | 32      |
| 2019-M10-S01 | 0.04    | 0.00    | 0.11    | 51        | 0       | 136     |
| 2019-M11-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 60      |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2020-M03-S01 | 0.04    | 0.02    | 0.07    | 51        | 20      | 87      |
| 2020-M04-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |

Table 13-513: Razorbill density and abundance estimates in aerial survey study area by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.02    | 0.00    | 0.06    | 31        | 0       | 78      |
| 2018-M06-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.50    | 0.15    | 0.95    | 625       | 187     | 1180    |
| 2018-M09-S01 | 0.11    | 0.03    | 0.24    | 137       | 39      | 293     |
| 2018-M10-S01 | 7.47    | 3.57    | 12.81   | 9453      | 4531    | 16238   |
| 2018-M11-S01 | 2.83    | 2.38    | 3.26    | 3583      | 3018    | 4138    |
| 2018-M12-S01 | 0.82    | 0.60    | 1.05    | 1032      | 761     | 1334    |
| 2019-M01-S01 | 0.09    | 0.02    | 0.16    | 111       | 30      | 200     |
| 2019-M02-S01 | 0.67    | 0.37    | 1.04    | 850       | 469     | 1319    |
| 2019-M03-S01 | 0.24    | 0.06    | 0.47    | 309       | 80      | 599     |
| 2019-M04-S01 | 0.27    | 0.11    | 0.48    | 348       | 135     | 611     |
| 2019-M04-S02 | 0.13    | 0.05    | 0.23    | 170       | 69      | 296     |
| 2019-M05-S01 | 0.26    | 0.14    | 0.39    | 330       | 176     | 500     |
| 2019-M05-S02 | 0.10    | 0.00    | 0.25    | 129       | 0       | 320     |
| 2019-M06-S01 | 0.07    | 0.00    | 0.19    | 91        | 0       | 242     |
| 2019-M06-S02 | 0.03    | 0.00    | 0.08    | 41        | 0       | 98      |
| 2019-M07-S01 | 0.09    | 0.01    | 0.19    | 112       | 10      | 247     |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.05    | 0.00    | 0.13    | 70        | 0       | 167     |
| 2019-M09-S01 | 5.92    | 2.61    | 9.86    | 7490      | 3310    | 12493   |
| 2019-M10-S01 | 4.99    | 3.46    | 6.61    | 6323      | 4387    | 8378    |
| 2019-M11-S01 | 0.95    | 0.65    | 1.26    | 1206      | 827     | 1602    |
| 2019-M12-S01 | 1.73    | 1.40    | 2.09    | 2191      | 1777    | 2649    |
| 2020-M01-S01 | 0.05    | 0.01    | 0.12    | 70        | 10      | 147     |
| 2020-M02-S01 | 0.55    | 0.36    | 0.76    | 701       | 456     | 965     |
| 2020-M03-S01 | 0.58    | 0.34    | 0.86    | 740       | 432     | 1089    |
| 2020-M04-S01 | 4.35    | 2.31    | 6.91    | 5512      | 2930    | 8756    |

Table 13-514: Razorbill density and abundance estimates in aerial survey study area by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M10-S01 | 0.05    | 0.00    | 0.12    | 60        | 0       | 148     |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.01    | 0.00    | 0.05    | 19        | 0       | 60      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M05-S01 | 0.02    | 0.00    | 0.05    | 22        | 0       | 60      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.01    | 0.00    | 0.03    | 11        | 0       | 32      |
| 2019-M10-S01 | 0.14    | 0.07    | 0.21    | 180       | 90      | 270     |
| 2019-M11-S01 | 0.05    | 0.01    | 0.11    | 70        | 10      | 145     |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.10    | 0.02    | 0.18    | 121       | 20      | 234     |
| 2020-M03-S01 | 0.09    | 0.00    | 0.28    | 113       | 0       | 352     |
| 2020-M04-S01 | 0.36    | 0.18    | 0.55    | 462       | 233     | 696     |

Table 13-515: Razorbill density and abundance estimates in aerial survey study area by survey – birds on sea

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.02    | 0.00    | 0.06    | 31        | 0       | 77      |
| 2018-M06-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.50    | 0.14    | 0.93    | 622       | 180     | 1154    |
| 2018-M09-S01 | 0.10    | 0.02    | 0.23    | 129       | 29      | 289     |
| 2018-M10-S01 | 7.37    | 3.54    | 12.59   | 9330      | 4481    | 15962   |
| 2018-M11-S01 | 2.82    | 2.37    | 3.28    | 3571      | 3003    | 4158    |
| 2018-M12-S01 | 0.81    | 0.59    | 1.04    | 1022      | 747     | 1324    |
| 2019-M01-S01 | 0.09    | 0.03    | 0.16    | 110       | 38      | 198     |
| 2019-M02-S01 | 0.67    | 0.38    | 1.03    | 853       | 480     | 1309    |
| 2019-M03-S01 | 0.23    | 0.06    | 0.43    | 289       | 77      | 551     |
| 2019-M04-S01 | 0.28    | 0.11    | 0.48    | 350       | 136     | 611     |
| 2019-M04-S02 | 0.13    | 0.05    | 0.22    | 160       | 67      | 280     |
| 2019-M05-S01 | 0.25    | 0.13    | 0.37    | 312       | 169     | 469     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M05-S02 | 0.10    | 0.00    | 0.26    | 130       | 0       | 327     |
| 2019-M06-S01 | 0.07    | 0.00    | 0.19    | 90        | 0       | 238     |
| 2019-M06-S02 | 0.03    | 0.00    | 0.08    | 41        | 0       | 97      |
| 2019-M07-S01 | 0.09    | 0.01    | 0.20    | 110       | 10      | 253     |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.06    | 0.00    | 0.13    | 70        | 0       | 169     |
| 2019-M09-S01 | 5.93    | 2.61    | 9.98    | 7506      | 3305    | 12646   |
| 2019-M10-S01 | 4.86    | 3.38    | 6.46    | 6151      | 4280    | 8192    |
| 2019-M11-S01 | 0.89    | 0.62    | 1.18    | 1127      | 787     | 1497    |
| 2019-M12-S01 | 1.72    | 1.39    | 2.09    | 2182      | 1768    | 2645    |
| 2020-M01-S01 | 0.05    | 0.01    | 0.11    | 70        | 10      | 144     |
| 2020-M02-S01 | 0.46    | 0.25    | 0.68    | 578       | 320     | 858     |
| 2020-M03-S01 | 0.50    | 0.28    | 0.75    | 630       | 361     | 956     |
| 2020-M04-S01 | 3.98    | 1.98    | 6.40    | 5040      | 2509    | 8107    |

Table 13-516: Red-throated diver density and abundance estimates in aerial survey study area by survey – all birds

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.02    | 0.00    | 0.05    | 20        | 0       | 60      |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.05    | 0.02    | 0.10    | 70        | 20      | 127     |
| 2018-M11-S01 | 0.13    | 0.03    | 0.25    | 161       | 39      | 312     |
| 2018-M12-S01 | 0.03    | 0.01    | 0.06    | 41        | 10      | 79      |
| 2019-M01-S01 | 0.02    | 0.00    | 0.05    | 21        | 0       | 60      |
| 2019-M02-S01 | 0.05    | 0.02    | 0.08    | 60        | 20      | 103     |
| 2019-M03-S01 | 0.43    | 0.06    | 1.06    | 547       | 80      | 1344    |
| 2019-M04-S01 | 0.12    | 0.07    | 0.17    | 150       | 86      | 221     |
| 2019-M04-S02 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |
| 2019-M05-S01 | 0.02    | 0.00    | 0.04    | 21        | 0       | 49      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.08    | 0.01    | 0.17    | 97        | 11      | 212     |
| 2019-M10-S01 | 0.05    | 0.02    | 0.08    | 60        | 20      | 103     |
| 2019-M11-S01 | 0.16    | 0.07    | 0.27    | 199       | 95      | 338     |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M12-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.03    | 0.00    | 0.07    | 40        | 0       | 89      |
| 2020-M03-S01 | 0.07    | 0.02    | 0.13    | 91        | 29      | 168     |
| 2020-M04-S01 | 0.05    | 0.02    | 0.08    | 60        | 29      | 98      |

Table 13-517: Red-throated diver density and abundance estimates in aerial survey study area by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2018-M11-S01 | 0.01    | 0.00    | 0.03    | 11        | 0       | 38      |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M02-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M03-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.01    | 0.00    | 0.03    | 11        | 0       | 33      |
| 2019-M10-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2020-M03-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-518: Red-throated diver density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.02    | 0.00    | 0.05    | 21        | 0       | 60      |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.05    | 0.01    | 0.09    | 61        | 19      | 117     |
| 2018-M11-S01 | 0.12    | 0.03    | 0.23    | 151       | 39      | 297     |
| 2018-M12-S01 | 0.03    | 0.01    | 0.06    | 40        | 10      | 79      |
| 2019-M01-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M02-S01 | 0.04    | 0.01    | 0.07    | 50        | 19      | 90      |
| 2019-M03-S01 | 0.42    | 0.06    | 1.04    | 536       | 79      | 1324    |
| 2019-M04-S01 | 0.12    | 0.07    | 0.17    | 151       | 86      | 221     |
| 2019-M04-S02 | 0.02    | 0.00    | 0.04    | 21        | 0       | 50      |
| 2019-M05-S01 | 0.02    | 0.00    | 0.04    | 20        | 0       | 49      |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.07    | 0.01    | 0.14    | 87        | 11      | 181     |
| 2019-M10-S01 | 0.03    | 0.01    | 0.06    | 40        | 10      | 79      |
| 2019-M11-S01 | 0.16    | 0.08    | 0.26    | 200       | 97      | 335     |
| 2019-M12-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.02    | 0.00    | 0.05    | 30        | 0       | 66      |
| 2020-M03-S01 | 0.06    | 0.01    | 0.11    | 71        | 19      | 140     |
| 2020-M04-S01 | 0.05    | 0.02    | 0.08    | 60        | 29      | 99      |

*Table 13-519: Sandwich tern density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.86    | 0.67    | 1.06    | 1069      | 829     | 1317    |
| 2018-M06-S01 | 0.30    | 0.15    | 0.46    | 368       | 188     | 569     |
| 2018-M07-S01 | 2.06    | 1.42    | 2.76    | 2557      | 1765    | 3434    |
| 2018-M08-S01 | 0.14    | 0.06    | 0.23    | 180       | 80      | 289     |
| 2018-M09-S01 | 0.09    | 0.01    | 0.23    | 110       | 10      | 288     |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.24    | 0.06    | 0.54    | 310       | 76      | 682     |
| 2019-M04-S02 | 0.56    | 0.24    | 0.94    | 704       | 300     | 1186    |
| 2019-M05-S01 | 0.52    | 0.32    | 0.73    | 658       | 406     | 922     |
| 2019-M05-S02 | 0.36    | 0.23    | 0.49    | 450       | 288     | 624     |
| 2019-M06-S01 | 0.34    | 0.20    | 0.51    | 430       | 249     | 650     |
| 2019-M06-S02 | 0.65    | 0.38    | 0.97    | 826       | 484     | 1233    |
| 2019-M07-S01 | 0.13    | 0.07    | 0.21    | 171       | 85      | 266     |
| 2019-M07-S02 | 0.17    | 0.07    | 0.28    | 210       | 87      | 357     |
| 2019-M08-S01 | 0.13    | 0.06    | 0.21    | 160       | 76      | 265     |
| 2019-M08-S02 | 0.11    | 0.02    | 0.23    | 140       | 30      | 288     |
| 2019-M09-S01 | 0.08    | 0.01    | 0.18    | 108       | 11      | 226     |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-520: Sandwich tern density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.86    | 0.65    | 1.06    | 1069      | 813     | 1316    |
| 2018-M06-S01 | 0.30    | 0.15    | 0.45    | 368       | 186     | 563     |
| 2018-M07-S01 | 2.05    | 1.43    | 2.80    | 2548      | 1779    | 3490    |
| 2018-M08-S01 | 0.15    | 0.06    | 0.23    | 182       | 79      | 288     |
| 2018-M09-S01 | 0.03    | 0.01    | 0.06    | 40        | 10      | 80      |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.24    | 0.06    | 0.51    | 302       | 79      | 647     |
| 2019-M04-S02 | 0.55    | 0.21    | 0.93    | 698       | 264     | 1180    |
| 2019-M05-S01 | 0.52    | 0.32    | 0.74    | 660       | 409     | 935     |
| 2019-M05-S02 | 0.34    | 0.22    | 0.49    | 435       | 274     | 623     |
| 2019-M06-S01 | 0.34    | 0.19    | 0.53    | 428       | 238     | 671     |
| 2019-M06-S02 | 0.66    | 0.38    | 0.97    | 842       | 486     | 1228    |
| 2019-M07-S01 | 0.13    | 0.07    | 0.21    | 168       | 87      | 267     |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S02 | 0.17    | 0.07    | 0.28    | 212       | 90      | 360     |
| 2019-M08-S01 | 0.13    | 0.06    | 0.21    | 160       | 76      | 268     |
| 2019-M08-S02 | 0.11    | 0.02    | 0.23    | 138       | 29      | 295     |
| 2019-M09-S01 | 0.09    | 0.02    | 0.18    | 111       | 21      | 232     |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-521: Sandwich tern density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.06    | 0.00    | 0.17    | 69        | 0       | 209     |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M04-S02 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-522: Shag density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-523: Shag density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-524: Shag density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-525: Tufted duck density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.02    | 0.00    | 0.05    | 20        | 0       | 60      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

Table 13-526: Tufted duck density and abundance estimates in aerial survey study area by survey – birds in flight

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.02    | 0.00    | 0.05    | 20        | 0       | 60      |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-527: Tufted duck density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

*Table 13-528: Woodpigeon density and abundance estimates in aerial survey study area by survey – all birds*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |



| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.01    | 0.00    | 0.02    | 10        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-529: Woodpigeon density and abundance estimates in aerial survey study area by survey – birds in flight*

| Survey ID    | Density |         |         | Abundance |         |         |
|--------------|---------|---------|---------|-----------|---------|---------|
|              | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| 2018-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M10-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2018-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M04-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M05-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M06-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M07-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M08-S02 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M09-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M10-S01 | 0.01    | 0.00    | 0.02    | 11        | 0       | 30      |
| 2019-M11-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2019-M12-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M01-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M02-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M03-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |
| 2020-M04-S01 | 0.00    | 0.00    | 0.00    | 0         | 0       | 0       |

*Table 13-530: Woodpigeon density and abundance estimates in aerial survey study area by survey – birds on sea*

| Survey ID   | Density |         |         | Abundance |         |         |
|-------------|---------|---------|---------|-----------|---------|---------|
|             | Mean    | 95% LCI | 95% UCI | Mean      | 95% LCI | 95% UCI |
| All surveys | 0       | 0       | 0       | 0         | 0       | 0       |

### 13.1.7 ANNEX 2: Collision Risk Modelling Results

#### 13.1.7.1 DEP

Table 13-531: Arctic tern collisions by month at DEP based on the 14MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.15 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.52 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.71 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.73  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

Table 13-532: Arctic tern collisions by month at DEP based on the 26MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.16 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.28 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-533: Black-headed gull collisions by month at DEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.35 | 0.00 | 0.00 | 0.72  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.18 | 0.00 | 1.21 | 0.00 | 0.00 | 3.39  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.13 | 0.00 | 0.00 | 0.27  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.73 | 0.00 | 0.69 | 0.00 | 0.00 | 1.42  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-534: Black-headed gull collisions by month at DEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.14 | 0.00 | 0.00 | 0.28  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.86 | 0.00 | 0.47 | 0.00 | 0.00 | 1.33  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.04 | 0.00 | 0.00 | 0.09  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.31 | 0.00 | 0.00 | 0.63  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-535: Common gull collisions by month at DEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 1.17  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 1.84 | 0.00 | 0.00 | 0.00 | 0.00 | 4.22 | 0.00 | 0.00 | 6.07  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.86 | 0.00 | 0.00 | 1.08  |

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 1.36 | 0.00 | 0.00 | 1.71  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

Table 13-536: Common gull collisions by month at DEP based on the 26MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.49  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 1.77 | 0.00 | 0.00 | 2.54  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.44  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61 | 0.00 | 0.00 | 0.76  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

Table 13-537: Common tern collisions by month at DEP based on the 14MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.70 | 0.00 | 0.30 | 0.00 | 0.00 | 1.93 | 0.08 | 0.00 | 0.00 | 3.01  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 2.25 | 0.00 | 0.49 | 0.00 | 0.00 | 0.64 | 0.47 | 0.00 | 0.00 | 3.85  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.15 | 0.00 | 0.00 | 0.99 | 0.04 | 0.00 | 0.00 | 1.54  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 0.45 | 0.00 | 0.00 | 2.89 | 0.12 | 0.00 | 0.00 | 4.52  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-538: Common tern collisions by month at DEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.11 | 0.00 | 0.00 | 0.67 | 0.03 | 0.00 | 0.00 | 1.05  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.79 | 0.00 | 0.17 | 0.00 | 0.00 | 0.22 | 0.16 | 0.00 | 0.00 | 1.34  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.05 | 0.00 | 0.00 | 0.31 | 0.01 | 0.00 | 0.00 | 0.49  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.17 | 0.00 | 0.00 | 1.08 | 0.04 | 0.00 | 0.00 | 1.68  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-539: Cormorant collisions by month at DEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 | 1.09  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-540: Cormorant collisions by month at DEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

Table 13-541: Gannet collisions by month at DEP based on the 14MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.73 | 1.24 | 0.19 | 0.17 | 0.00 | 0.37 | 0.92 | 2.33 | 2.66 | 0.36 | 8.98  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 3.78 | 3.63 | 1.50 | 1.37 | 0.00 | 2.79 | 2.52 | 8.01 | 5.29 | 1.42 | 30.31 |
| LCI flight height | 0.00 | 0.00 | 0.33 | 0.56 | 0.09 | 0.08 | 0.00 | 0.17 | 0.42 | 1.06 | 1.21 | 0.16 | 4.08  |
| UCI flight height | 0.00 | 0.00 | 1.21 | 2.04 | 0.31 | 0.28 | 0.00 | 0.61 | 1.51 | 3.83 | 4.38 | 0.59 | 14.76 |
| LCI avoidance     | 0.00 | 0.00 | 0.87 | 1.47 | 0.22 | 0.20 | 0.00 | 0.44 | 1.09 | 2.75 | 3.15 | 0.43 | 10.61 |
| UCI avoidance     | 0.00 | 0.00 | 0.60 | 1.02 | 0.16 | 0.14 | 0.00 | 0.30 | 0.75 | 1.91 | 2.18 | 0.29 | 7.35  |
| Nocturnal         | 0.00 | 0.00 | 0.63 | 1.11 | 0.18 | 0.16 | 0.00 | 0.34 | 0.81 | 1.95 | 2.11 | 0.27 | 7.56  |

Table 13-542: Gannet collisions by month at DEP based on the 26MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.28 | 0.47 | 0.07 | 0.06 | 0.00 | 0.14 | 0.35 | 0.88 | 1.01 | 0.14 | 3.41  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 1.43 | 1.38 | 0.57 | 0.52 | 0.00 | 1.06 | 0.96 | 3.04 | 2.01 | 0.54 | 11.50 |
| LCI flight height | 0.00 | 0.00 | 0.11 | 0.19 | 0.03 | 0.03 | 0.00 | 0.06 | 0.14 | 0.35 | 0.40 | 0.05 | 1.36  |
| UCI flight height | 0.00 | 0.00 | 0.50 | 0.85 | 0.13 | 0.11 | 0.00 | 0.25 | 0.63 | 1.59 | 1.81 | 0.25 | 6.11  |
| LCI avoidance     | 0.00 | 0.00 | 0.33 | 0.56 | 0.09 | 0.08 | 0.00 | 0.17 | 0.41 | 1.04 | 1.19 | 0.16 | 4.03  |
| UCI avoidance     | 0.00 | 0.00 | 0.23 | 0.39 | 0.06 | 0.05 | 0.00 | 0.11 | 0.29 | 0.72 | 0.83 | 0.11 | 2.79  |
| Nocturnal         | 0.00 | 0.00 | 0.24 | 0.42 | 0.07 | 0.06 | 0.00 | 0.13 | 0.31 | 0.74 | 0.80 | 0.10 | 2.87  |

*Table 13-543: Great black-backed gull collisions by month at DEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.37 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.82 | 0.00 | 0.38 | 1.88  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 1.95 | 0.00 | 0.00 | 2.49 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 0.00 | 2.17 | 8.94  |
| LCI flight height | 0.00 | 0.36 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 0.00 | 0.37 | 1.82  |
| UCI flight height | 0.00 | 0.50 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 1.13 | 0.00 | 0.52 | 2.57  |
| LCI avoidance     | 0.00 | 0.44 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.99 | 0.00 | 0.46 | 2.25  |
| UCI avoidance     | 0.00 | 0.29 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 0.00 | 0.31 | 1.50  |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-544: Great black-backed gull collisions by month at DEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.17 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.17 | 0.85  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.88 | 0.00 | 0.00 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | 0.98 | 4.06  |
| LCI flight height | 0.00 | 0.16 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.16 | 0.81  |
| UCI flight height | 0.00 | 0.24 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.25 | 1.24  |
| LCI avoidance     | 0.00 | 0.20 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.21 | 1.02  |
| UCI avoidance     | 0.00 | 0.13 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.14 | 0.68  |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-545: Guillemot collisions by month at DEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.01 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.03 | 0.16 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.25  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |



| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| UCI flight height | 0.00 | 0.00 | 0.34 | 2.37 | 0.13 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.14 | 0.14 | 3.26  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

Table 13-546: Guillemot collisions by month at DEP based on the 26MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.01 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI flight height | 0.00 | 0.00 | 0.12 | 0.84 | 0.05 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.05 | 0.05 | 1.16  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

Table 13-547: Herring gull collisions by month at DEP based on the 14MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 2.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33  |
| LCI avoidance     | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30  |
| UCI avoidance     | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20  |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-548: Herring gull collisions by month at DEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.92  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16  |
| LCI avoidance     | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14  |
| UCI avoidance     | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09  |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-549: Kittiwake collisions by month at DEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr   | May  | Jun  | Jul  | Aug  | Sept  | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|-------|------|------|------|------|-------|------|------|------|-------|
| Mean              | 1.32 | 0.88 | 0.50 | 10.74 | 1.91 | 0.75 | 1.08 | 2.26 | 5.18  | 2.00 | 0.23 | 1.14 | 27.99 |
| LCI density       | 0.00 | 0.00 | 0.00 | 2.56  | 0.00 | 0.00 | 0.00 | 0.00 | 0.57  | 0.00 | 0.00 | 0.00 | 3.13  |
| UCI density       | 3.24 | 2.14 | 2.00 | 26.06 | 9.14 | 4.72 | 3.16 | 8.46 | 13.97 | 4.58 | 1.27 | 2.27 | 81.01 |
| LCI flight height | 1.00 | 0.67 | 0.38 | 8.11  | 1.44 | 0.57 | 0.82 | 1.71 | 3.91  | 1.51 | 0.17 | 0.86 | 21.15 |
| UCI flight height | 1.98 | 1.32 | 0.75 | 16.12 | 2.87 | 1.13 | 1.62 | 3.40 | 7.77  | 3.00 | 0.34 | 1.72 | 42.02 |
| LCI avoidance     | 1.56 | 1.04 | 0.59 | 12.69 | 2.26 | 0.89 | 1.28 | 2.67 | 6.12  | 2.36 | 0.27 | 1.35 | 33.08 |
| UCI avoidance     | 1.08 | 0.72 | 0.41 | 8.78  | 1.56 | 0.62 | 0.88 | 1.85 | 4.24  | 1.64 | 0.19 | 0.94 | 22.90 |
| Nocturnal         | 0.93 | 0.66 | 0.40 | 9.03  | 1.68 | 0.67 | 0.96 | 1.94 | 4.23  | 1.54 | 0.16 | 0.79 | 22.98 |

*Table 13-550 Kittiwake collisions by month at DEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr   | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|-------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.51 | 0.34 | 0.19 | 4.19  | 0.75 | 0.29 | 0.42 | 0.88 | 2.02 | 0.78 | 0.09 | 0.45 | 10.92 |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.76  | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.93  |
| UCI density       | 1.26 | 0.83 | 0.78 | 10.17 | 3.56 | 1.84 | 1.23 | 3.30 | 5.45 | 1.79 | 0.49 | 0.89 | 31.60 |
| LCI flight height | 0.33 | 0.22 | 0.12 | 2.67  | 0.47 | 0.19 | 0.27 | 0.56 | 1.29 | 0.50 | 0.06 | 0.28 | 6.95  |

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| UCI flight height | 0.55 | 0.37 | 0.21 | 4.45 | 0.79 | 0.31 | 0.45 | 0.94 | 2.15 | 0.83 | 0.09 | 0.47 | 11.60 |
| LCI avoidance     | 0.61 | 0.41 | 0.23 | 4.95 | 0.88 | 0.35 | 0.50 | 1.04 | 2.39 | 0.92 | 0.11 | 0.53 | 12.90 |
| UCI avoidance     | 0.42 | 0.28 | 0.16 | 3.43 | 0.61 | 0.24 | 0.34 | 0.72 | 1.65 | 0.64 | 0.07 | 0.36 | 8.93  |
| Nocturnal         | 0.32 | 0.23 | 0.14 | 3.11 | 0.58 | 0.23 | 0.33 | 0.67 | 1.45 | 0.53 | 0.06 | 0.27 | 7.91  |

Table 13-551: Lesser black-backed gull collisions by month at DEP based on the 14MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.73  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 3.46  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.60  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 1.12  |
| LCI avoidance     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.88  |
| UCI avoidance     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.59  |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

Table 13-552: Lesser black-backed gull collisions by month at DEP based on the 26MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.32  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 1.53  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.25  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.54  |
| LCI avoidance     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.39  |
| UCI avoidance     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.26  |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-553: Little gull collisions by month at DEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct   | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.21  | 0.00 | 0.00 | 8.21  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.19 | 0.00 | 0.00 | 27.19 |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.70  | 0.00 | 0.00 | 2.70  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.59 | 0.00 | 0.00 | 15.59 |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   |

*Table 13-554: Little gull collisions by month at DEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct   | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|-------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19  | 0.00 | 0.00 | 3.19  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.55 | 0.00 | 0.00 | 10.55 |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.87  | 0.00 | 0.00 | 0.87  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.92  | 0.00 | 0.00 | 6.92  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   | N/A  | N/A  | N/A   |

*Table 13-555: Razorbill collisions by month at DEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.41  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 1.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 2.57  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| UCI flight height | 0.00 | 0.00 | 0.00 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 0.00 | 0.00 | 1.77  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

Table 13-556: Razorbill collisions by month at DEP based on the 26MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.12  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.98  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.50  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

Table 13-557: Red-throated diver collisions by month at DEP based on the 14MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.16  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.04  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 0.00 | 0.00 | 0.00 | 1.34  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.91 | 0.00 | 0.00 | 0.00 | 0.91  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-558: Red-throated diver collisions by month at DEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.05  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 0.00 | 0.00 | 0.00 | 0.62  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.00 | 0.30  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-559: Sandwich tern collisions by month at DEP based on avoidance rate of 0.980 and 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 2.09 | 3.01 | 0.88 | 1.68 | 0.61 | 1.25 | 0.00 | 0.00 | 0.00 | 9.52  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65  |
| UCI density       | 0.00 | 0.00 | 0.00 | 6.72 | 6.53 | 2.30 | 4.89 | 2.40 | 3.09 | 0.00 | 0.00 | 0.00 | 25.94 |
| LCI flight height | 0.00 | 0.00 | 0.00 | 1.99 | 2.88 | 0.85 | 1.60 | 0.58 | 1.20 | 0.00 | 0.00 | 0.00 | 9.10  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 5.44 | 7.87 | 2.31 | 4.37 | 1.58 | 3.26 | 0.00 | 0.00 | 0.00 | 24.84 |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 2.24 | 3.17 | 0.92 | 1.75 | 0.64 | 1.36 | 0.00 | 0.00 | 0.00 | 10.09 |

*Table 13-560: Sandwich tern collisions by month at DEP based on avoidance rate of 0.980 and 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.64 | 0.92 | 0.27 | 0.51 | 0.19 | 0.38 | 0.00 | 0.00 | 0.00 | 2.91  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23  |
| UCI density       | 0.00 | 0.00 | 0.00 | 2.33 | 2.26 | 0.80 | 1.70 | 0.83 | 1.07 | 0.00 | 0.00 | 0.00 | 8.99  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.59 | 0.86 | 0.25 | 0.48 | 0.17 | 0.36 | 0.00 | 0.00 | 0.00 | 2.71  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 1.91 | 2.76 | 0.81 | 1.53 | 0.56 | 1.14 | 0.00 | 0.00 | 0.00 | 8.71  |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 0.68 | 0.97 | 0.28 | 0.54 | 0.20 | 0.42 | 0.00 | 0.00 | 0.00 | 3.08  |

*Table 13-561: Sandwich tern collisions by month at DEP based on avoidance rate of 0.9883 and 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 1.22 | 1.76 | 0.52 | 0.98 | 0.36 | 0.73 | 0.00 | 0.00 | 0.00 | 5.57  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38  |
| UCI density       | 0.00 | 0.00 | 0.00 | 3.93 | 3.82 | 1.35 | 2.86 | 1.40 | 1.81 | 0.00 | 0.00 | 0.00 | 15.17 |
| LCI flight height | 0.00 | 0.00 | 0.00 | 1.17 | 1.69 | 0.49 | 0.94 | 0.34 | 0.70 | 0.00 | 0.00 | 0.00 | 5.32  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 3.19 | 4.60 | 1.35 | 2.56 | 0.93 | 1.91 | 0.00 | 0.00 | 0.00 | 14.53 |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 1.31 | 1.85 | 0.54 | 1.03 | 0.38 | 0.80 | 0.00 | 0.00 | 0.00 | 5.90  |

*Table 13-562: Sandwich tern collisions by month at DEP based on avoidance rate of 0.9883 and 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.37 | 0.54 | 0.16 | 0.30 | 0.11 | 0.22 | 0.00 | 0.00 | 0.00 | 1.70  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13  |
| UCI density       | 0.00 | 0.00 | 0.00 | 1.36 | 1.32 | 0.47 | 0.99 | 0.49 | 0.63 | 0.00 | 0.00 | 0.00 | 5.26  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.35 | 0.50 | 0.15 | 0.28 | 0.10 | 0.21 | 0.00 | 0.00 | 0.00 | 1.59  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 1.12 | 1.61 | 0.47 | 0.90 | 0.32 | 0.67 | 0.00 | 0.00 | 0.00 | 5.09  |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 0.40 | 0.57 | 0.16 | 0.31 | 0.12 | 0.24 | 0.00 | 0.00 | 0.00 | 1.80  |

*Table 13-563: Sandwich tern collisions by month at DEP based on avoidance rate of 0.993 and 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.73 | 1.06 | 0.31 | 0.59 | 0.21 | 0.44 | 0.00 | 0.00 | 0.00 | 3.33  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23  |
| UCI density       | 0.00 | 0.00 | 0.00 | 2.35 | 2.28 | 0.81 | 1.71 | 0.84 | 1.08 | 0.00 | 0.00 | 0.00 | 9.08  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.70 | 1.01 | 0.30 | 0.56 | 0.20 | 0.42 | 0.00 | 0.00 | 0.00 | 3.18  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 1.91 | 2.75 | 0.81 | 1.53 | 0.55 | 1.14 | 0.00 | 0.00 | 0.00 | 8.69  |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 0.78 | 1.11 | 0.32 | 0.61 | 0.23 | 0.48 | 0.00 | 0.00 | 0.00 | 3.53  |

*Table 13-564: Sandwich tern collisions by month at DEP based on avoidance rate of 0.993 and 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.22 | 0.32 | 0.09 | 0.18 | 0.06 | 0.13 | 0.00 | 0.00 | 0.00 | 1.02  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.82 | 0.79 | 0.28 | 0.59 | 0.29 | 0.37 | 0.00 | 0.00 | 0.00 | 3.15  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.21 | 0.30 | 0.09 | 0.17 | 0.06 | 0.12 | 0.00 | 0.00 | 0.00 | 0.95  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.67 | 0.97 | 0.28 | 0.54 | 0.19 | 0.40 | 0.00 | 0.00 | 0.00 | 3.05  |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 0.24 | 0.34 | 0.10 | 0.19 | 0.07 | 0.15 | 0.00 | 0.00 | 0.00 | 1.08  |

### 13.1.7.2 SEP

*Table 13-565: Arctic tern collisions by month at SEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-566: Arctic tern collisions by month at SEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |



| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/69A |

*Table 13-567: Black-headed gull collisions by month at SEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-568: Black-headed gull collisions by month at SEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-569: Common gull collisions by month at SEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.24 | 0.00 | 0.72  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 0.00 | 0.00 | 1.39 | 0.00 | 4.55  |
| LCI flight height | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.22 | 0.00 | 0.66  |
| UCI flight height | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.36 | 0.00 | 1.05  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-570: Common gull collisions by month at SEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.24 | 0.00 | 0.72  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.67 | 0.00 | 0.00 | 1.39 | 0.00 | 4.55  |
| LCI flight height | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.22 | 0.00 | 0.66  |
| UCI flight height | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 0.36 | 0.00 | 1.05  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-571: Common tern collisions by month at SEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.82  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22  |

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

Table 13-572: Common tern collisions by month at SEP based on the 26MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

Table 13-573: Fulmar collisions by month at SEP based on the 14MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-574: Fulmar collisions by month at SEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-575: Gannet collisions by month at SEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 1.14 | 0.00 | 1.48  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.60  |
| UCI density       | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.73 | 0.00 | 3.83  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.51 | 0.00 | 0.66  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 1.89 | 0.00 | 2.45  |
| LCI avoidance     | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 1.35 | 0.00 | 1.75  |
| UCI avoidance     | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.93 | 0.00 | 1.21  |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.90 | 0.00 | 1.20  |

*Table 13-576: Gannet collisions by month at SEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.44 | 0.00 | 0.57  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.23  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | 0.00 | 1.48  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.17 | 0.00 | 0.23  |

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.00 | 0.80 | 0.00 | 1.03  |
| LCI avoidance     | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.52 | 0.00 | 0.68  |
| UCI avoidance     | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.36 | 0.00 | 0.47  |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.35 | 0.00 | 0.46  |

Table 13-577: Great black-backed gull collisions by month at SEP based on the 14MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec   | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| Mean              | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 1.00 | 3.56  | 5.25  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  |
| UCI density       | 1.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.15 | 1.91 | 21.84 | 27.80 |
| LCI flight height | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.97 | 3.45  | 5.08  |
| UCI flight height | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 1.38 | 4.91  | 7.23  |
| LCI avoidance     | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 1.20 | 4.28  | 6.30  |
| UCI avoidance     | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.80 | 2.85  | 4.20  |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   | N/A   |

Table 13-578: Great black-backed gull collisions by month at SEP based on the 26MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec   | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| Mean              | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.46 | 1.65  | 2.43  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00  |
| UCI density       | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.88 | 10.11 | 12.87 |
| LCI flight height | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.44 | 1.56  | 2.29  |
| UCI flight height | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.68 | 2.42  | 3.56  |
| LCI avoidance     | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.56 | 1.98  | 2.91  |
| UCI avoidance     | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.37 | 1.32  | 1.94  |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   | N/A   |

*Table 13-579: Guillemot collisions by month at SEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | 0.04  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.20 | 0.00 | 0.55  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-580: Guillemot collisions by month at SEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.00 | 0.20  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-581: Kittiwake collisions by month at SEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.73 | 0.00 | 0.15 | 0.00 | 0.00 | 0.86 | 0.00 | 0.46 | 0.59 | 2.80  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 3.20 | 0.00 | 0.90 | 0.00 | 0.00 | 4.62 | 0.00 | 1.51 | 3.08 | 13.31 |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.55 | 0.00 | 0.12 | 0.00 | 0.00 | 0.65 | 0.00 | 0.35 | 0.45 | 2.11  |

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.86 | 0.00 | 0.18 | 0.00 | 0.00 | 1.01 | 0.00 | 0.54 | 0.69 | 3.28  |
| LCI avoidance     | 0.00 | 0.00 | 0.00 | 0.86 | 0.00 | 0.18 | 0.00 | 0.00 | 1.02 | 0.00 | 0.54 | 0.70 | 3.31  |
| UCI avoidance     | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.13 | 0.00 | 0.00 | 0.70 | 0.00 | 0.38 | 0.48 | 2.29  |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 0.62 | 0.00 | 0.14 | 0.00 | 0.00 | 0.70 | 0.00 | 0.33 | 0.41 | 2.19  |

Table 13-582: Kittiwake collisions by month at SEP based on the 26MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.29 | 0.00 | 0.06 | 0.00 | 0.00 | 0.34 | 0.00 | 0.18 | 0.24 | 1.11  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 1.27 | 0.00 | 0.36 | 0.00 | 0.00 | 1.84 | 0.00 | 0.60 | 1.22 | 5.29  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.04 | 0.00 | 0.00 | 0.25 | 0.00 | 0.13 | 0.17 | 0.80  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.07 | 0.00 | 0.00 | 0.41 | 0.00 | 0.22 | 0.28 | 1.34  |
| LCI avoidance     | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.07 | 0.00 | 0.00 | 0.40 | 0.00 | 0.22 | 0.28 | 1.31  |
| UCI avoidance     | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.05 | 0.00 | 0.00 | 0.28 | 0.00 | 0.15 | 0.19 | 0.91  |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 0.24 | 0.00 | 0.06 | 0.00 | 0.00 | 0.28 | 0.00 | 0.13 | 0.16 | 0.87  |

Table 13-583: Lesser black-backed gull collisions by month at SEP based on the 14MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 | 2.96  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.61  |
| LCI avoidance     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48  |
| UCI avoidance     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32  |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-584: Lesser black-backed gull collisions by month at SEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 | 1.33  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30  |
| LCI avoidance     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21  |
| UCI avoidance     | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14  |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-585: Little gull collisions by month at SEP based on the 14MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 1.39 | 0.00 | 1.68  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.42 | 3.55 | 0.00 | 4.97  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.45 | 0.00 | 0.54  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 2.67 | 0.00 | 3.22  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

*Table 13-586: Little gull collisions by month at SEP based on the 26MW deployment scenario.*

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.55 | 0.00 | 0.66  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 1.40 | 0.00 | 1.96  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.15 | 0.00 | 0.18  |



|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 1.21 | 0.00 | 1.46 |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  |

Table 13-587: Razorbill collisions by month at SEP based on the 14MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.07 | 0.03 | 0.00 | 0.16  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.37 | 0.09 | 0.00 | 0.71  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.44 | 0.18 | 0.00 | 1.06  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

Table 13-588: Razorbill collisions by month at SEP based on the 26MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.02 | 0.01 | 0.00 | 0.05  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.11 | 0.03 | 0.00 | 0.21  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.17 | 0.07 | 0.00 | 0.41  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

**Table 13-589: Red-throated diver collisions by month at SEP based on the 14MW deployment scenario.**

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59  |
| LCI flight height | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03  |
| UCI flight height | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

**Table 13-590: Red-throated diver collisions by month at SEP based on the 26MW deployment scenario.**

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19  |
| LCI flight height | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01  |
| UCI flight height | 0.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43  |
| LCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| UCI avoidance     | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |
| Nocturnal         | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A  | N/A   |

**Table 13-591: Sandwich tern collisions by month at SEP based on avoidance rate of 0.980 and 14MW deployment scenario.**

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.82 | 0.28 | 0.83 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 2.42 | 1.11 | 3.54 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 7.45  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 0.27 | 0.79 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 1.90  |

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 2.16 | 0.74 | 2.20 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 5.27  |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 0.00 | 0.86 | 0.29 | 0.87 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09  |

Table 13-592: Sandwich tern collisions by month at SEP based on avoidance rate of 0.980 and 26MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.10 | 0.29 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.86 | 0.39 | 1.25 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 2.63  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.09 | 0.27 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.87 | 0.30 | 0.89 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13  |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.10 | 0.31 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.74  |

Table 13-593: Sandwich tern collisions by month at SEP based on avoidance rate of 0.9883 and 14MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 0.16 | 0.49 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 1.17  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 1.42 | 0.65 | 2.07 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 4.36  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | 0.16 | 0.46 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 1.11  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 1.26 | 0.43 | 1.29 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08  |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.17 | 0.51 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 1.22  |

Table 13-594: Sandwich tern collisions by month at SEP based on avoidance rate of 0.9883 and 26MW deployment scenario.

| Scenario    | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean        | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.06 | 0.17 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41  |
| LCI density | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.23 | 0.73 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 1.54  |

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.05 | 0.16 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 0.18 | 0.52 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 1.25  |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.06 | 0.18 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43  |

Table 13-595: Sandwich tern collisions by month at SEP based on avoidance rate of 0.993 and 14MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.10 | 0.29 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 0.39 | 1.24 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 2.61  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.09 | 0.28 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.76 | 0.26 | 0.77 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 1.84  |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.10 | 0.30 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.73  |

Table 13-596: Sandwich tern collisions by month at SEP based on avoidance rate of 0.993 and 26MW deployment scenario.

| Scenario          | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sept | Oct  | Nov  | Dec  | Total |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Mean              | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.03 | 0.10 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25  |
| LCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  |
| UCI density       | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.14 | 0.44 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.92  |
| LCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.03 | 0.10 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23  |
| UCI flight height | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.11 | 0.31 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.75  |
| Nocturnal         | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.04 | 0.11 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26  |

### 13.1.8 ANNEX 3: Population Viability Analysis Results and Discussion

#### 13.1.8.1 Results

##### 13.1.8.1.1 Impacts Across a Range of Mortalities

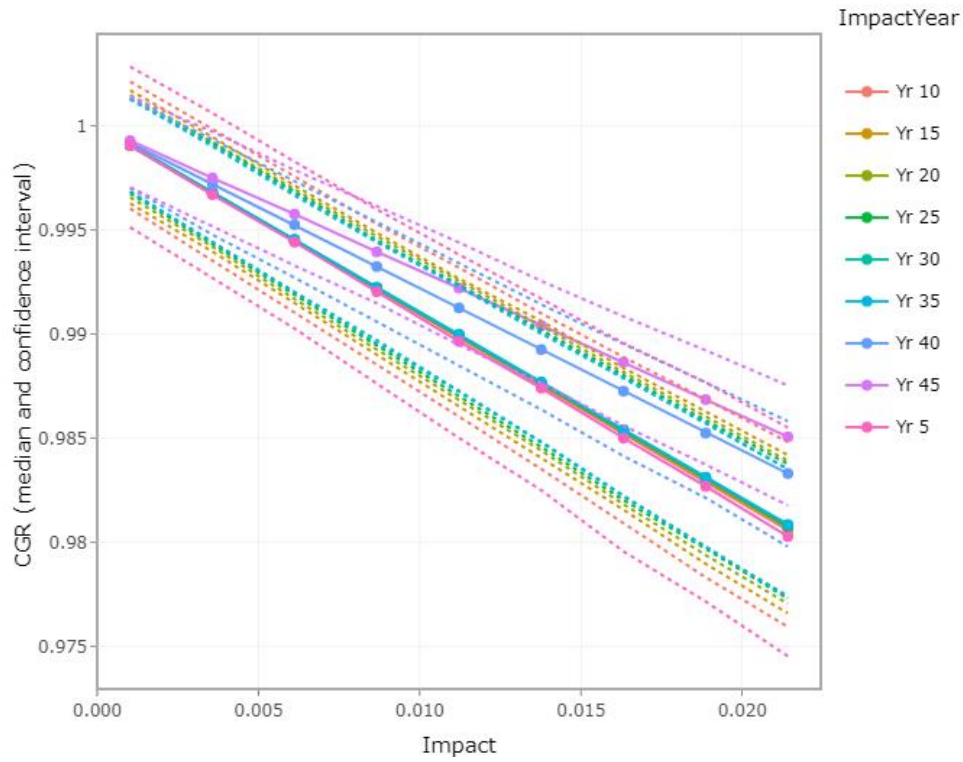


Figure 13.1.1 CPGR relative to impact magnitude by impact year (median values and upper and lower 95% confidence intervals).

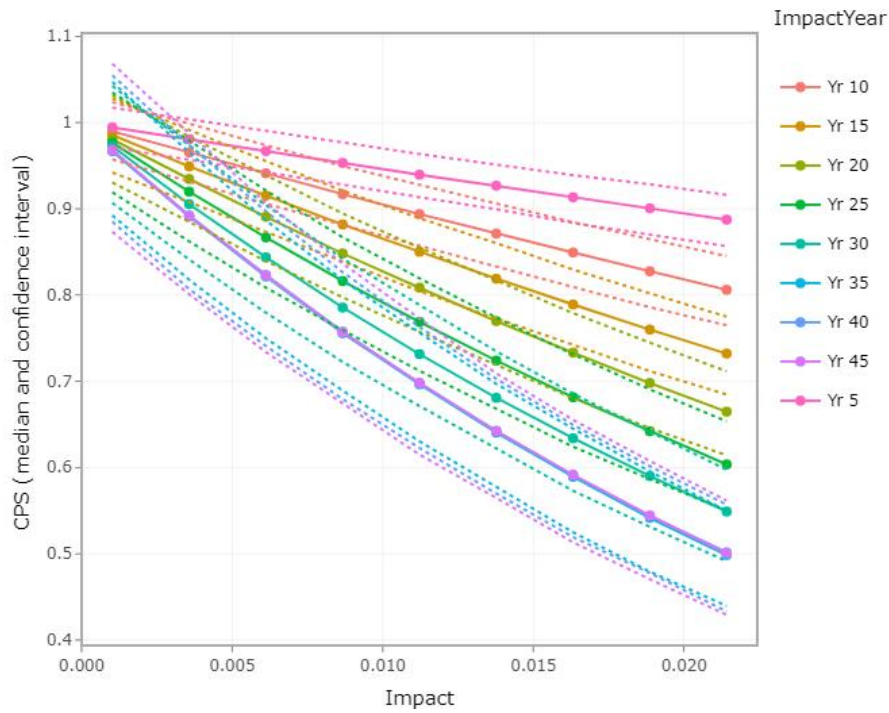


Figure 13.1.2 Figure 13.1.3 CPS relative to impact magnitude by impact year (median values and upper and lower 95% confidence intervals).

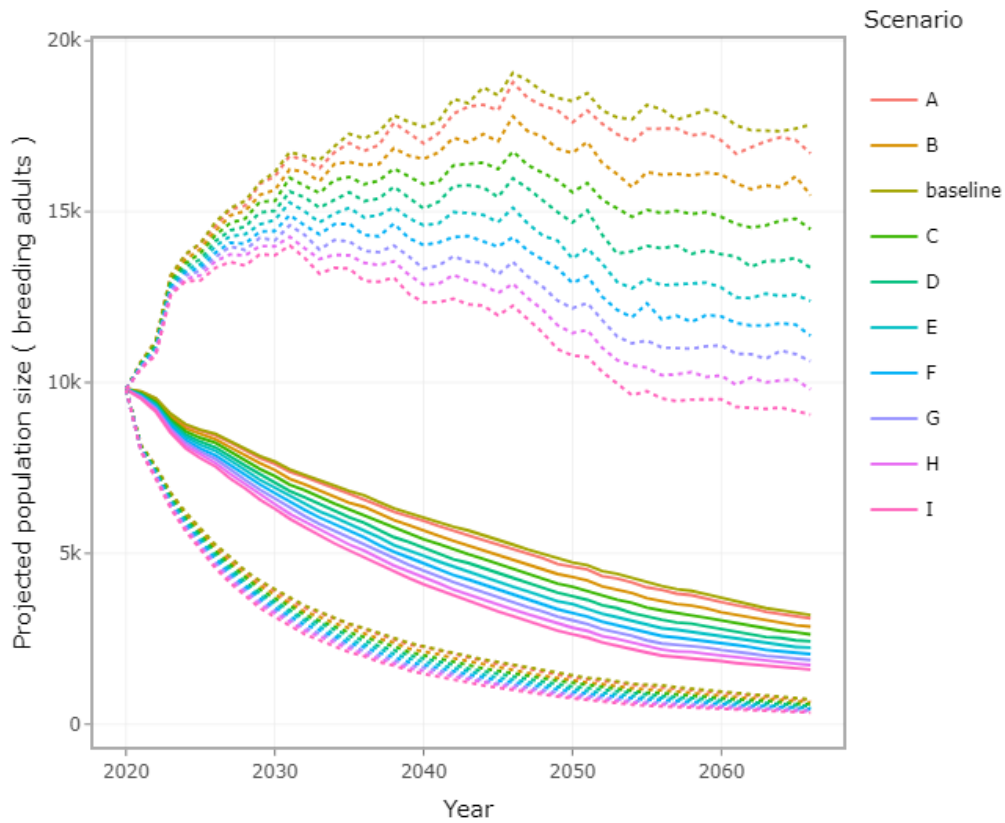


Figure 13.1.4 Projected population size under difference scenarios, each one a different initial annual mortality rate as follows. A = 10 birds, B = 35 birds, C = 60 birds, D = 85 birds, E = 110 birds, F = 135 birds, G = 160 birds, H = 185 birds and I = 210 birds.

*Table 13-597: Counterfactual of Population Growth Rate (CPGR) (median and 95% confidence intervals) for impacted scenarios. Number in brackets in the column headers indicates initial annual mortality rate.*

| Year | A (10)                      | B (35)                      | C (60)                       | D (85)                      | E (110)                     | F (135)                     | G (160)                     | H (185)                     | I (210)                     |
|------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 0    | -                           | -                           | -                            | -                           | -                           | -                           | -                           | -                           | -                           |
| 3    | 0.999<br>(0.994 -<br>1.004) | 0.997<br>(0.992 -<br>1.002) | 0.994<br>(0.989 -<br>0.999)  | 0.992<br>(0.986 -<br>0.997) | 0.989<br>(0.983 -<br>0.995) | 0.987<br>(0.981 -<br>0.993) | 0.985<br>(0.978 -<br>0.991) | 0.982<br>(0.975 -<br>0.989) | 0.979<br>(0.972 -<br>0.987) |
| 5    | 0.999<br>(0.995 -<br>1.003) | 0.997<br>(0.992 -<br>1.001) | 0.994<br>(0.990 -<br>0.999)  | 0.992<br>(0.987 -<br>0.996) | 0.990<br>(0.985 -<br>0.994) | 0.987<br>(0.982 -<br>0.992) | 0.985<br>(0.979 -<br>0.990) | 0.983<br>(0.977 -<br>0.988) | 0.980<br>(0.974 -<br>0.986) |
| 10   | 0.999<br>(0.996 -<br>1.002) | 0.997<br>(0.993 -<br>1.000) | 0.994<br>(0.991 -<br>0.998)  | 0.992<br>(0.988 -<br>0.995) | 0.990<br>(0.986 -<br>0.993) | 0.988<br>(0.983 -<br>0.991) | 0.985<br>(0.981 -<br>0.989) | 0.983<br>(0.978 -<br>0.987) | 0.981<br>(0.976 -<br>0.985) |
| 15   | 0.999<br>(0.996 -<br>1.002) | 0.997<br>(0.994 -<br>0.999) | 0.994<br>(0.991 -<br>0.997)  | 0.992<br>(0.989 -<br>0.995) | 0.990<br>(0.986 -<br>0.993) | 0.988<br>(0.984 -<br>0.991) | 0.985<br>(0.981 -<br>0.988) | 0.983<br>(0.979 -<br>0.986) | 0.981<br>(0.977 -<br>0.984) |
| 20   | 0.999<br>(0.997 -<br>1.002) | 0.997<br>(0.994 -<br>0.999) | 0.994<br>(0.992 -<br>0.997)  | 0.992<br>(0.989 -<br>0.995) | 0.990<br>(0.987 -<br>0.993) | 0.988<br>(0.984 -<br>0.990) | 0.985<br>(0.982 -<br>0.988) | 0.983<br>(0.979 -<br>0.986) | 0.981<br>(0.977 -<br>0.984) |
| 25   | 0.999<br>(0.997 -<br>1.001) | 0.997<br>(0.994 -<br>0.999) | 0.995<br>(0.9920 -<br>0.997) | 0.992<br>(0.989 -<br>0.995) | 0.990<br>(0.987 -<br>0.992) | 0.988<br>(0.985 -<br>0.990) | 0.985<br>(0.982 -<br>0.988) | 0.983<br>(0.980 -<br>0.986) | 0.981<br>(0.977 -<br>0.984) |
| 30   | 0.999<br>(0.997 -<br>1.001) | 0.997<br>(0.994 -<br>0.999) | 0.995<br>(0.992 -<br>0.997)  | 0.992<br>(0.990 -<br>0.995) | 0.990<br>(0.987 -<br>0.992) | 0.988<br>(0.985 -<br>0.990) | 0.985<br>(0.982 -<br>0.988) | 0.983<br>(0.980 -<br>0.986) | 0.981<br>(0.977 -<br>0.984) |
| 35   | 0.999<br>(0.997 -<br>1.001) | 0.997<br>(0.994 -<br>0.999) | 0.995<br>(0.992 -<br>0.997)  | 0.992<br>(0.990 -<br>0.994) | 0.990<br>(0.987 -<br>0.992) | 0.988<br>(0.985 -<br>0.990) | 0.985<br>(0.982 -<br>0.988) | 0.983<br>(0.980 -<br>0.986) | 0.981<br>(0.977 -<br>0.984) |

*Table 13-598: Counterfactual of Population Size (CPS) (median and 95% confidence intervals) for impacted scenarios. Number in brackets in the column headers indicates initial annual mortality rate.*

| Year | A (10)                      | B (35)                      | C (60)                      | D (85)                      | E (110)                     | F (135)                     | G (160)                     | H (185)                     | I (210)                     |
|------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 0    | -                           | -                           | -                           | -                           | -                           | -                           | -                           | -                           | -                           |
| 3    | 0.997<br>(0.982 -<br>1.012) | 0.990<br>(0.975 -<br>1.005) | 0.983<br>(0.967 -<br>0.998) | 0.976<br>(0.959 -<br>0.991) | 0.969<br>(0.951 -<br>0.984) | 0.961<br>(0.944 -<br>0.978) | 0.954<br>(0.936 -<br>0.972) | 0.947<br>(0.928 -<br>0.967) | 0.940<br>(0.920 -<br>0.961) |
| 5    | 0.995<br>(0.975 -<br>1.016) | 0.984<br>(0.963 -<br>1.004) | 0.972<br>(0.950 -<br>0.993) | 0.960<br>(0.937 -<br>0.982) | 0.949<br>(0.925 -<br>0.971) | 0.938<br>(0.914 -<br>0.960) | 0.927<br>(0.900 -<br>0.950) | 0.916<br>(0.889 -<br>0.941) | 0.904<br>(0.876 -<br>0.931) |
| 10   | 0.991<br>(0.960 -<br>1.020) | 0.968<br>(0.936 -<br>0.999) | 0.946<br>(0.913 -<br>0.977) | 0.924<br>(0.890 -<br>0.955) | 0.903<br>(0.867 -<br>0.936) | 0.882<br>(0.845 -<br>0.914) | 0.862<br>(0.824 -<br>0.896) | 0.841<br>(0.803 -<br>0.878) | 0.821<br>(0.781 -<br>0.858) |
| 15   | 0.986<br>(0.945 -<br>1.027) | 0.953<br>(0.912 -<br>0.991) | 0.921<br>(0.878 -<br>0.960) | 0.889<br>(0.846 -<br>0.927) | 0.859<br>(0.814 -<br>0.897) | 0.829<br>(0.786 -<br>0.869) | 0.801<br>(0.755 -<br>0.840) | 0.773<br>(0.726 -<br>0.815) | 0.746<br>(0.701 -<br>0.789) |
| 20   | 0.981<br>(0.933 -<br>1.031) | 0.938<br>(0.889 -<br>0.986) | 0.895<br>(0.846 -<br>0.943) | 0.855<br>(0.806 -<br>0.899) | 0.817<br>(0.767 -<br>0.861) | 0.779<br>(0.729 -<br>0.825) | 0.744<br>(0.692 -<br>0.788) | 0.710<br>(0.659 -<br>0.756) | 0.678<br>(0.627 -<br>0.723) |
| 25   | 0.977<br>(0.921 -<br>1.035) | 0.923<br>(0.866 -<br>0.980) | 0.872<br>(0.816 -<br>0.925) | 0.822<br>(0.766 -<br>0.872) | 0.776<br>(0.721 -<br>0.827) | 0.733<br>(0.677 -<br>0.782) | 0.692<br>(0.635 -<br>0.739) | 0.653<br>(0.598 -<br>0.701) | 0.615<br>(0.562 -<br>0.664) |
| 30   | 0.973<br>(0.909 -<br>1.043) | 0.908<br>(0.845 -<br>0.976) | 0.849<br>(0.786 -<br>0.907) | 0.792<br>(0.731 -<br>0.848) | 0.739<br>(0.678 -<br>0.793) | 0.689<br>(0.631 -<br>0.743) | 0.643<br>(0.582 -<br>0.694) | 0.600<br>(0.542 -<br>0.651) | 0.559<br>(0.503 -<br>0.610) |
| 35   | 0.968<br>(0.894 -<br>1.046) | 0.894<br>(0.822 -<br>0.967) | 0.826<br>(0.757 -<br>0.890) | 0.762<br>(0.695 -<br>0.822) | 0.703<br>(0.638 -<br>0.762) | 0.649<br>(0.587 -<br>0.706) | 0.598<br>(0.534 -<br>0.652) | 0.551<br>(0.488 -<br>0.605) | 0.508<br>(0.450 -<br>0.560) |