

Land at Former Marchon Works, High Road, Whitehaven CA28 9NF

## RESULTS OF WINTERING BIRD SURVEYS 2018 TO 2019

September 2023

ERAP (Consultant Ecologists) Ltd ref: 2018-337

ERAP (Consultant Ecologists) Ltd  
Building N2  
Chorley Business and Technology Centre  
East Terrace  
Euxton Lane  
Euxton  
Chorley  
PR7 6TE

Tel: 01772 750502

[mail@erap.co.uk](mailto:mail@erap.co.uk)  
[www.erap.co.uk](http://www.erap.co.uk)



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## Document Control

| Survey Type:           | Surveyors  | Survey Dates  |
|------------------------|--|---|
| Wintering bird surveys | Seumus Eaves MCIEEM  | 11 survey dates between 29 <sup>th</sup> October 2018 and 28 <sup>th</sup> March 2019 |
| Reporting              | Personnel  | Date  |
| Author                 | Victoria Burrows B.Sc. (Hons) M.Sc. CEnv MCIEEM<br>Principal Ecologist | 23 <sup>rd</sup> April 2020<br>Reviewed 25 <sup>th</sup> September 2023               |
| Signature(s)           |  |   |
| Checked by             | Rachel Brown B.Sc. (Hons)  | 27 <sup>th</sup> September 2023   |
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| Version Number         | 1  |   |

## 1.0 INTRODUCTION

### 1.1 Background

- 1.1.1 As part of an ecological survey and assessment of the land at the former Marchon Works, High Road, Whitehaven (hereafter referred to as the 'site') ERAP (Consultant Ecologists) Ltd was commissioned to carry out wintering and non-breeding bird surveys.
- 1.1.2 The surveys were required to inform a planning application (Copeland Borough Council reference 4/21/2432/0F1) proposing:

*"Hybrid application seeking full planning permission for the erection of 139 residential dwellings, new vehicular access off High Road, public open space and ancillary infrastructure, and outline planning permission for residential development units, retail and ancillary infrastructure with all matters reserved other than access."*

- 1.1.3 The Ordnance Survey (OS) grid reference at the centre of the site is NX 9649 1615. An aerial image of the site and its surrounding habitats is appended at **Figure 1** (source image: ESRI World Imagery).

### 1.2 Rationale for Survey

- 1.2.1 The site has no statutory designation for nature conservation.
- 1.2.2 The site lies 668 metres from the nearest point of the Solway Firth Special Protection Area (SPA) (refer to **Figure 1**). The Solway Firth covers an area of 1357.49m<sup>2</sup> and is designated for:
- Regularly supporting a non-breeding population of European importance of red-throated diver (*Gavia stellata*), whooper swan (*Cygnus cygnus*), barnacle goose (*Branta leucopsis*), golden plover (*Pluvialis apricaria*) and bar-tailed godwit (*Limosa lapponica*);
  - Regularly supporting populations of European importance of the following migratory species pink-footed goose (*Anser brachyrhynchus*), shelduck (*Tadorna tadorna*), teal (*Anas crecca*), pintail (*Anas acuta*), shoveler (*Anas clypeata*), scaup (*Aythya marila*), common scoter (*Melanitta nigra*), goldeneye (*Bucephala clangula*), goosander (*Mergus merganser*), oystercatcher (*Haematopus ostralegus*), knot (*Calidris canutus*), ringed plover (*Charadrius hiaticula*), grey plover (*Pluvialis squatarola*), lapwing (*Vanellus vanellus*), dunlin (*Calidris alpina*), sanderling (*Calidris alba*), redshank (*Tringa totanus*), turnstone (*Arenaria interpres*), curlew (*Numenius arquata*), cormorant (*Phalacrocorax carbo*), black-headed gull (*Larus ribibundus*), common gull (*Larus canus*) and herring gull (*Larus argentatus*);
  - Regularly supporting populations of European importance of ringed plover (*Charadrius hiaticula*); and
  - Regularly supporting in excess of 20,000 water birds.
- 1.2.3 Land immediately west of the northern section of the western site boundary is designated as St. Bees Head Site of Special Scientific Interest (SSSI).
- 1.2.4 The SSSI is designated for its geological interest and for the presence of a mosaic of natural cliff-top grassland and heath. The cliff faces adjacent to the site and within the SSSI for a length of 2.6 kilometres are reported to provide the only breeding site in Cumbria for over 2000 pairs of guillemots along with lesser numbers of fulmar (*Fulmarus glacialis*), kittiwake (*Rissa tridactyla*), shag (*Phalacrocorax aristotelis*), puffin (*Puffinus griseus*), razorbill (*Alca torda*), cormorant (*Phalacrocorax carbo*) and herring gull (*Larus argentatus*). The cliffs are also reported to be the only breeding site on the entire coast of England for



black guillemots (*Cephus grille*). Other bird species reported to breed at the cliffs include tawny owl (*Strix aluco*), sparrowhawk (*Accipiter nisus*), peregrine (*Falco peregrinus*), raven (*Corvus corax*) and rock pipit (*Anthus petrosus petrosus*).

- 1.2.5 Wintering and passage migrant bird surveys were identified to be necessary owing to the proximity of the site to the European designated sites at the Solway Firth (i.e. within 700 metres) and the habitats present at parts of the site (i.e. arable fields) and in the local area which may provide functionally-linked land<sup>1</sup> suitable for use by the relevant qualifying species at the relevant European designated sites.

<sup>1</sup>: In accordance with Natural England (Natural England, 26 February 2016) functionally-linked land (FLL) is defined as:

*“the term ‘functionally-linkage refers to the role or ‘function’ that the land or sea beyond the boundary of the European site might fulfil in terms of supporting the populations for which the site was designated or classified. Such an area of land or sea is therefore ‘linked’ to the site in question because it provides a (potentially important) role in maintain or restoring a protected population at a favourable conservation status. Whilst areas beyond a site boundary might serve a function in respect of a designated habitat type, for example by being linked hydrologically to the qualifying habitat, in the context of this report ‘functional linkage’ refers only to land or sea which is linked to a qualifying species (whether an Annex II species for which a SAC has been designated, or a bird species which a SPA has been classified).”*

### 1.3 Scope and Aims of Report

- 1.3.1 This report has been prepared to present the results and analysis of surveys for wintering birds and passage migrants carried out between 29<sup>th</sup> October 2018 and 28<sup>th</sup> March 2019.
- 1.3.2 It is advised that these data may be of assistance in the preparation of a Habitats Regulations Assessment (HRA) to be prepared by the competent authority (i.e. Copeland Council and their ecological advisors) to determine the significance of any impacts of the proposals on the relevant coastal / marine designated sites and the scope of any mitigation required.
- 1.3.3 The aims were to:
- Determine the extent of use (or otherwise) of the site and survey area by the qualifying bird species of the relevant coastal / marine designated sites;
  - Identify areas / habitats of ornithological interest as defined by the diversity of bird species present and / or the presence of notable species such as Priority Species as listed under Section 41 of the *Natural Environment and Rural Communities Act 2006* (NERC Act 2006) (Great Britain, 2006);
  - Use the survey data to make recommendations to minimise the potential impact of development and specify the principles of the ecological guidance, as needed; and
  - Present relevant information to inform and contribute to the assessment of likely significant effects as part of the first stage of a Habitats Regulations Assessment (HRA) in relation to the proximity of the site to the relevant European designated sites, as needed.

## 2.0 BASELINE CONDITIONS

### 2.1 Baseline Conditions

- 2.1.1 As described in the *Ecological Survey and Assessment* (ERAP (Consultant Ecologists) Ltd, 2023) and the photographs of the site (refer to **Appendix 1**), the 28.8 hectare (ha) site is located to the south-east of Whitehaven on the western coast of Cumbria.
- 2.1.2 The site comprises approximately 14.22 ha of arable farmland and improved grassland in agricultural production and approximately 14.58 ha of land that comprises part of the former Marchon Works and is characterised by a mosaic of scrub, neutral improved grassland, neutral semi-improved grassland, tall-herb vegetation, short ephemeral vegetation and bare ground.
- 2.1.3 Land to the west of the site (off-site) accommodates coastal heath land comprising of dry heath (Heather (*Calluna vulgaris*)) and dense acid grassland on the sea cliffs.
- 2.1.4 A Phase 1 Habitat Survey of the site is appended at **Figure 1** and photographs are at **Appendix 1**.

## 3.0 METHOD OF SURVEY

### 3.1 Site and Survey Area

- 3.1.1 The survey area (refer to **Figures 1 to 13**) comprised the following:
  - a. The site (28.8 hectares); and
  - b. Suitable habitats (i.e. excluding existing built development) within land up to a distance of at least 500 metres from the site boundary (all directions).

### 3.2 Surveyors and Equipment

- 3.2.1 The wintering bird surveys were carried out by Seumus Eaves an experienced ornithologist. Bird species were observed and identified using binoculars (Zeiss 10x42) and an Kowa TSN884 x 30 WA telescope, where necessary.

### 3.3 Survey Dates and Weather Conditions

- 3.3.1 In accordance with the recognised survey guidelines namely *Technical Information Note TIN069, Assessing the Effects of Onshore Wind Farms on Birds* (Natural England, 2010) and *Recommended Bird Survey Methods to Inform Impact Assessment of Onshore Wind Farms* (Scottish Natural Heritage, 2017), a minimum of 36 hours of survey was completed between 29<sup>th</sup> October 2018 and 28<sup>th</sup> March 2019, typically comprising two surveys per month.
- 3.3.2 The survey dates and weather conditions are presented in **Table 2.1**, below. The surveys were completed during favourable weather conditions (i.e. no fog or heavy rain). The surveys were completed at a range of tidal conditions at the estuary to take account of birds which may be flying to the site at high tide, for example.

**Table 3.1: Details of the Survey Dates, Weather Conditions and Survey Times**

| Survey Information                           | Survey 1   | Survey 2   | Survey 3  | Survey 4   |
|--|--|--|---|--|
| Survey Date                                  | 29.10.18   | 02.11.18   | 16.11.18  | 23.11.18   |
| Period of Observation                        | 10:15 to 14:35   | 10:10 to 14:10   | 08:45 to 11:45  | 08:50 to 12:50   |
| Vantage Point (VP) Survey Period             | 11:45 to 14:15   | 11:50 to 13:50   | 09:45 to 11:25  | 10:15 to 12:15   |
| Wind   | Light air (Beaufort scale 1)   | Light breeze (Beaufort scale 2)  | Light breeze (Beaufort scale 2)                           | Light air (Beaufort scale 1)   |
| Conditions                                   | Sunny with ground frost  | Overcast   | Light rain at start then sunny intervals                  | Light rain at start then sunny intervals                                   |
| Sunrise / Sunset                             | 07:03 / 16:47  | 07:11 / 16:39  | 07:36 / 16:16   | 07:48 / 16:07  |
| Tide Times (HW = high water, LW = low water) | HW 01:41 - 9.2 m<br>14:01 - 9.0 m<br><br>LW 08:28 - 1.9 m<br>20:56 - 2.0 m | HW 06:07 - 7.8 m<br>18:41 - 8.1 m<br><br>LW 00:19 - 2.7 m<br>12:49 - 3.1 m                                     | HW 04:59 - 7.0 m<br>17:31 - 7.4 m<br><br>LW 11:23 - 3.9 m | HW 11:02 - 9.4 m<br>23:20 - 9.6 m<br><br>LW 05:36 - 1.3 m<br>17:58 - 1.4 m |
| Visibility                                   | Excellent  | Good   | Moderate to good  | Good   |
| Survey Limitations                           | None reported  | Member of the public exercising a dog at the base of the cliffs flushed 4 out of the 5 roosting oystercatcher. | None reported   | None reported  |

| Survey Information                           | Survey 5   | Survey 6  | Survey 7  | Survey 8   |
|--|--|---|---|--|
| Survey Date                                  | 02.01.19   | 09.01.19  | 31.01.19  | 11.02.19   |
| Period of Observation                        | 08:05 to 10:05   | 08:35 to 12:35  | 08:05 to 12:10  | 09:00 to 13:00   |
| Vantage Point (VP) Survey Period             | 08:35 to 10:55   | 09:10 to 11:10  | 08:20 to 10:20  | 09:40 to 11:40   |
| Wind   | Light air (Beaufort scale 1)   | Light air (Beaufort scale 1)  | Light breeze (Beaufort scale 2)   | Light air (Beaufort scale 1)   |
| Conditions                                   | Sunny with ground frost  | Sunny   | Sunny, ground frost at first  | Sunny  |
| Sunrise / Sunset                             | 08:24 / 16:08  | 08:21 / 16:17   | 07:57 / 16:54   | 07:37 / 17:16  |
| Tide Times (HW = high water, LW = low water) | HW 08:34 - 8.2 m<br>20:57 - 8.4 m<br><br>LW 02:52 - 2.3 m<br>15:16 - 2.6 m | HW 00:58 - 8.7 m<br>13:12 - 9.30 m<br><br>LW 07:31 - 2.0 m<br>19:58 - 2.0 m | HW 08:04 - 7.7 m<br>20:38 - 7.8 m<br><br>LW 02:19 - 2.9 m<br>14:50 - 2.9 m  | HW 02:43 - 8.3 m<br>15:03 - 8.4 m<br><br>LW 09:27 - 2.4 m<br>21:52 - 2.4 m |
| Visibility                                   | Good   | Good  | Good  | Good   |
| Survey Limitations                           | None reported  | None reported   | 10:15 Person and one dog on rocks on shore at northern end of site boundary | None reported  |

| Survey Information                           | Survey 9   | Survey 10  | Survey 11   |
|--|--|--|---|
| Survey Date                                  | 24.02.19   | 27.02.19   | 28.03.19  |
| Period of Observation                        | 08:00 to 10:30   | 07:05 to 11:45   | 06:05 to 10:35  |
| Vantage Point (VP) Survey Period             | Not possible owing to fog  | 08:40 to 10:55   | 06:30 to 08:55  |
| Wind   | Light air (Beaufort scale 1)   | Light air (Beaufort scale 1) increasing to a light breeze (Beaufort scale 2) by 9:00 | Light breeze (Beaufort scale 2)                           |
| Conditions                                   | Overcast with fog  | Sunny  | Overcast  |
| Sunrise / Sunset                             | 07:11 / 17:40  | 07:04 / 17:46  | 05:56 / 18:39   |
| Tide Times (HW = high water, LW = low water) | HW 08:34 - 8.2 m<br>20:57 - 8.4 m<br><br>LW 02:52 - 2.3 m<br>15:16 - 2.6 m | HW 04:51 – 7.7 m<br>17:26 – 7.5 m<br><br>LW 11:35 – 3.0 m                            | HW 04:09 – 7.7 m<br>16:46 – 7.3 m<br><br>LW 12:13 – 3.4 m |
| Visibility                                   | Poor   | Good on land<br>Moderate at sea  | Good  |
| Survey Limitations                           | None reported  | None reported  | None reported   |

### 3.4 Survey Approach

#### Vantage Point Survey

- 3.4.1 A Vantage Point (VP) was selected that maximised visibility and coverage of the site and survey area.
- 3.4.2 To minimise the risk of disturbance and to comply with the survey guidelines, the vantage point was located around the periphery of the survey area and was assessed to be inconspicuous and / or associated with existing landscape features.

#### Transect Survey

- 3.4.3 Between the VP observations a transect was traversed through the survey area to obtain complete coverage of the survey area.

#### Recorded Species

- 3.4.4 Species listed on the designated sites citations, wintering species (as defined by RSPB<sup>2</sup>), Priority Species and / or red-listed species<sup>3</sup> which were visible and audible during the surveys were identified and recorded following the standard recording methodology and codes of the *British Trust for Ornithology (BTO) Common Birds Census* (Marchant, 1983). Raptors were also recorded.

<sup>2</sup> <https://www.rspb.org.uk/birds-and-wildlife/>

<sup>3</sup> As defined by Stanbury, A. et al., 2021. The status of our bird populations: the fifth Birds of Conservation Concern in the United Kingdom, Channel Islands and Isle of Man and second IUCN Red List assessment of extinction risk for Great Britain. *British Birds*, Issue 114, pp. 723-747.

- 3.4.5 For the purposes of this assessment bird species are recorded to be 'in' the site if they were recorded resting / feeding within the site boundary (i.e. the red-line site boundary). Birds flying in close proximity to (and associated with) habitat features, such as a flock of linnet flying along a site boundary hedgerow, were also considered to be 'in' the site, as they have been observed to have an association with a habitat feature within the site. Flocks of birds recorded flying over the site but not interacting with any site feature, such as pink-footed geese flying high over the site, are separated out in the results tables.

#### **Atypical Conditions During Surveys and Survey Limitations**

- 3.4.6 Observations of any disturbances (i.e. an unleashed dog / dogwalkers / agricultural activities) within the survey area causing birds and flocks to take flight were recorded. Any changes to the condition of the arable fields and / or changes in the agricultural regime were noted.
- 3.4.7 Changes in the weather conditions (for example, the fog on the 24<sup>th</sup> February 2019) were recorded.
- 3.4.8 No other survey or access limitations were experienced.

## **4.0 RESULTS OF WINTERING BIRD SURVEY OCTOBER 2018 TO MARCH 2019**

### **Overview**

- 4.1.1 The results of the wintering bird surveys are appended at **Figures 3 to 13** and the raw data are presented at **Tables 7.2 to 7.12** at **Appendix 2** with a summary table at **Table 7.1**.
- 4.1.2 Sixty-four species were recorded in total. Twenty-two bird species that meet the criteria described in **Section 3.4** were recorded during the surveys.
- 4.1.3 Fifteen of the recorded species (bar-tailed godwit, black-headed gull, common gull, common scoter, cormorant, curlew, goosander, herring gull, oystercatcher, pink-footed goose, pintail, redshank, red-throated diver, turnstone and whooper swan) are listed on the designated sites citations.
- 4.1.4 In addition to common scoter, curlew, herring gull and red-throated diver (Priority Species listed above) 7 other Priority Species (dunnock, grey partridge, linnet, reed bunting, skylark, song thrush, and starling) were also recorded to give a total of 11 Priority Species..
- 4.1.5 Five raptor species / birds of prey were recorded (buzzard, kestrel, merlin, peregrine and sparrowhawk).
- 4.1.6 Ten bird species<sup>4</sup> included on the red-list namely grey partridge, common scoter, shag, curlew, herring gull, kittiwake, merlin, skylark, starling and greenfinch were also recorded.
- 4.1.7 The greatest diversity of bird species (39 species) was recorded in the survey area on 27<sup>th</sup> February 2019.
- 4.1.8 The greatest number of individual birds (1921) was recorded in the survey area on 29<sup>th</sup> October 2018; this figure is inflated owing to the recordings of large flocks of starling (1256 in total) observed in the survey area on this date (as is expected in this area at this time of year).
- 4.1.9 A summary of all species detected during the 2018/19 surveys which are of importance to the national and European designated sites in the wider area (including birds named as wintering species of special interest on any designated site citation), is presented at **Table 4.1**, below.

<sup>4</sup> The surveys were carried out prior to the inclusion of swift, greenfinch and house martin on the red-list and, as such these species may have been present but not recorded

4.1.10 The figures on **Table 4.1** are representative of the peak count of birds observed in a single flock during a single survey effort.

**Table 4.1: Summary of Priority Species and Qualifying Species of the Designated Sites Detected During the 2018/19 Surveys**

| Category  | Common Name                     | Peak Count <sup>2</sup> within Site | Peak Count <sup>2</sup> within Survey Area | Total No. Surveys the Species was Present <sup>3</sup> |
|---|---------------------------------|-------------------------------------|--|--|
| <b>Qualifying Species of the Relevant Designated Sites</b>  | Bar-tailed godwit               | 0                                   | 1  | 1  |
|   | Black-headed gull               | 0                                   | 7  | 7  |
|   | Common gull                     | 0                                   | 2  | 1  |
|   | Common scoter <sup>1</sup>      | 0                                   | 35 (in flight)                             | 9  |
|   | Cormorant                       | 0                                   | 460 (in flight)                            | 9  |
|   | Curlew <sup>1</sup>             | 0                                   | 1  | 4  |
|   | Goosander                       | 0                                   | 1  | 1  |
|   | Herring gull <sup>1</sup>       | 8 (in flight)                       | 100  | 11   |
|   | Oystercatcher                   | 0                                   | 6  | 10   |
|   | Pink-footed goose               | 210 (in flight)                     | 38 (in flight)                             | 3  |
|   | Pintail                         | 0                                   | 7 (in flight)                              | 1  |
|   | Redshank                        | 0                                   | 2  | 1  |
|   | Red-throated diver <sup>1</sup> | 0                                   | 10 (in flight)                             | 8  |
|   | Turnstone                       | 0                                   | 3  | 2  |
|   | Whooper swan                    | 0                                   | 180 (in flight)                            | 2  |
| <b>Priority Species</b>   | Dunnoek                         | 3                                   | 4  | 11   |
|   | Grey partridge                  | 4                                   | 1 (no activity)<br>3 (in flight)           | 8  |
|   | Linnet                          | 4                                   | 4  | 4  |
|   | Reed bunting                    | 1                                   | 1  | 8  |
|   | Skylark                         | 72                                  | 44 (in flight)                             | 11   |
|   | Song thrush                     | 2                                   | 1  | 8  |
|   | Starling                        | 34 (in flight)                      | 1000 (in flight)                           | 7  |
| <sup>1</sup> Also a Priority Species<br><sup>2</sup> The peak count for each species is determined by the highest number of birds observed in a single flock during one survey effort. Peak counts for each species may be taken from different survey dates.<br><sup>3</sup> 11 surveys were undertaken in total |                                 |                                     |  |  |

4.1.11 No other qualifying species listed on the relevant designated sites citations were recorded at the site or the survey area.

### SPA Qualifying Species

#### *Within the Site*

4.1.12 Of the fifteen recorded qualifying species the following statements are made:

- No pink-footed geese have been recorded resting in the site (or in the remainder of the arable field adjacent to the western area of the site);
- No other qualifying bird species relevant to the European designated sites have been recorded resting in the site;
- A peak count of 210 pink-footed geese were recorded in flight over the site on 11<sup>th</sup> February 2019 (Survey 8); and
- A peak count of 8 herring gull were recorded in flight over the site on 2<sup>nd</sup> January 2019 (Survey 5).

### ***Within the Survey Area***

- 4.1.13 Other qualifying bird species relevant to the European designated sites have been recorded in the wider area and observations comprise:
- a. Flocks of up to 35 birds of common scoter flying over the sea to the west of the site with the largest flocks observed on 2<sup>nd</sup> January 2019 (Survey 5);
  - b. Flocks of up to 460 cormorant flying over the sea to the west of the site with the largest flocks observed on 9<sup>th</sup> January 2019 (Survey 6);
  - c. Flocks of pink-footed goose (up to 38 individual birds) observed in flight over the fields and sea;
  - d. Flocks of whooper swan in flight over the sea with the peak count of 180 observed on 28<sup>th</sup> March 2019 (Survey 11);
  - e. Count of 100 herring gull on the rocks at the base of the cliff adjacent to the site;
  - f. Flocks of up to 10 red-throated diver in flight over the sea to the west of the site;
  - g. Observations of up to 3 turnstone on the rocks at the base of the sea cliff;
  - h. Observations of low numbers of common gull, black-headed gull, oystercatcher, redshank and pintail; and
  - i. Sightings of single birds of bar-tailed godwit, curlew and goosander.

### **Priority Species**

- 4.1.14 Eleven Priority Species have been detected in the survey area. Of these species five species namely dunnoek (peak count of 3), grey partridge (peak count of 4), linnet (peak count of 4), reed bunting (peak count of 1) and song thrush (peak count of 2) were recorded in low numbers.
- 4.1.15 Of note was the detection of a flock of 72 skylark resting in the arable field at the site on the 2<sup>nd</sup> January 2019 (Survey 5) and 34 starling in flight over the site on the same date.
- 4.1.16 Of the Priority Species present in the wider survey area (i.e. outside the site) the observations are similar to the recordings within the site. No additional Priority Species (not recorded within the site) were detected in the wider area.

## **4.2 Incidental Observations**

- 4.2.1 No activities that would cause significant disturbance / affect the survey results such as wildfowling, and agricultural vehicles at the site and survey area were observed during any of the survey visits.

## **5.0 INTERPRETATION AND EVALUATION**

- 5.1 Based on the current site conditions, and the survey data presented at **Appendices 2 and 3**, the following assessments / statements are made:
- a. No data / evidence has been recorded to indicate that the site is functionally-linked land for the support of the qualifying bird species at the designated sites;
  - b. None of the survey data indicates that the land in the wider area (outside the site boundary) is functionally-linked land for the support of the qualifying bird species at the designated sites;



- c. As expected, the sea cliffs and marine habitat to the immediate west of the site are utilised by qualifying species of the SPA (15 species) with 10 of the qualifying species recorded on more than 1 survey visit;
- d. The majority of the qualifying species of the SPA were recorded in flight adjacent to the site;
- e. The site is used by significant flocks of skylark (a Priority Species) in the winter months which will be a consideration in relation to the assessment, in particular the consideration of recreational impacts. It is noted that the habitat at the arable field utilised by skylark is not a habitat that is unique to the site and this habitat is present in the wider area;
- f. The use of the site by seven Priority Species in the winter months is capable of being a material consideration in relation to a planning decision and is therefore a consideration of the planning application.

## 6.0 REFERENCES

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## 7.0 APPENDIX 1: PHOTOGRAPHS

### 7.1 Photographs



**Photo 1:** Sparse ruderal vegetation, grassland and hard-standing within the former Marchon Works



**Photo 2:** Sparse ruderal vegetation, grassland and hard-standing with pools within the former Marchon Works



**Photo 3:** Sparse ruderal vegetation, grassland and hard-standing within the former Marchon Works



**Photo 4:** Improved grassland at the northern end of the site



**Photo 5:** Arable field at the western area of the site



**Photo 6:** View of coastal heathland and coastal grassland (off-site) to the west of the site

## 8.0 APPENDIX 2: TABLES

**Table 8.1: Summary of Wintering Bird Survey Data for October 2018 to March 2019 (Total No. Species Recorded: 64)**

|                                   |                          | WBS1        | WBS2        | WBS3        | WBS4        | WBS5        | WBS6        | WBS7        | WBS8        | WBS9        | WBS10       | WBS11       |            |                         |                     |
|-----------------------------------|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------------------|---------------------|
| Scientific Name                   | Repetition               | 1           | 2           | 3           | 4           | 5           | 6           | 7           | 8           | 9           | 10          | 11          |            |                         |                     |
|                                   | Survey Date              | 29.10.2018  | 02.11.2018  | 16.11.2018  | 23.11.2018  | 02.01.2019  | 09.01.2019  | 31.01.2019  | 11.02.2019  | 24.02.2019  | 27.02.2019  | 28.03.2019  |            |                         |                     |
|                                   | Total No. species        | 33          | 30          | 31          | 35          | 20          | 24          | 31          | 27          | 16          | 39          | 32          |            |                         |                     |
|                                   | Total No. birds          | 1921        | 674         | 503         | 235         | 663         | 1315        | 336         | 1129        | 41          | 400         | 653         |            |                         |                     |
|                                   | Common Name              | Number Seen | Number Seen | Number Seen | Number Seen | Number Seen | Number Seen | Number Seen | Number Seen | Number Seen | Number Seen | Number Seen | Total Seen | No. Of Surveys Observed | Schedule 1 Species? |
| Order <i>Alcidae</i>              | Auk species              | -           | -           | -           | 3           | -           | -           | 2           | 2           | -           | 4           | -           | 11         | 4                       |                     |
| <i>Limosa lapponica</i>           | Bar-tailed godwit        | -           | -           | -           | -           | -           | -           | 1           | -           | -           | -           | -           | 1          | 1                       | Yes                 |
| <i>Turdus merula</i>              | Blackbird                | 4           | -           | 1           | 1           | -           | -           | 2           | -           | 2           | 1           | 2           | 13         | 7                       |                     |
| <i>Larus ridibundus</i>           | Black-headed gull        | -           | 15          | 3           | 1           | -           | 5           | 16          | 2           | -           | 6           | -           | 48         | 7                       |                     |
| <i>Cyanistes caeruleus</i>        | Blue tit                 | 6           | 1           | -           | 2           | -           | -           | 1           | -           | 1           | 1           | -           | 12         | 6                       |                     |
| <i>Buteo buteo</i>                | Buzzard                  | 2           | -           | -           | 1           | -           | -           | -           | 1           | -           | -           | -           | 4          | 3                       |                     |
| <i>Corvus corone corone</i>       | Carrion crow             | 91          | 169         | 43          | 29          | 50          | 35          | 39          | 27          | 4           | 24          | 37          | 548        | 11                      |                     |
| <i>Fringilla coelebs</i>          | Chaffinch                | 2           | 1           | 1           | 3           | -           | -           | -           | -           | -           | 3           | 5           | 15         | 6                       |                     |
| <i>Larus canus</i>                | Common gull              | -           | 2           | -           | -           | -           | -           | -           | -           | -           | -           | -           | 2          | 1                       |                     |
| <b><i>Melanitta nigra</i></b>     | <b>Common scoter</b>     | <b>22</b>   | <b>49</b>   | <b>10</b>   | <b>14</b>   | <b>58</b>   | -           | <b>4</b>    | <b>21</b>   | -           | <b>6</b>    | <b>47</b>   | <b>231</b> | <b>9</b>                |                     |
| <i>Phalacrocorax carbo</i>        | Cormorant                | 40          | 10          | -           | 10          | 280         | 1015        | 11          | 82          | -           | 23          | 28          | 1499       | 9                       |                     |
| <b><i>Numenius arquata</i></b>    | <b>Curlew</b>            | <b>1</b>    | <b>1</b>    | <b>1</b>    | -           | -           | -           | <b>1</b>    | -           | -           | -           | -           | <b>4</b>   | <b>4</b>                |                     |
| <b><i>Prunella modularis</i></b>  | <b>Dunnock</b>           | <b>2</b>    | <b>2</b>    | <b>2</b>    | <b>5</b>    | <b>2</b>    | <b>3</b>    | <b>1</b>    | <b>1</b>    | <b>1</b>    | <b>2</b>    | <b>5</b>    | <b>26</b>  | <b>11</b>               |                     |
| <i>Fulmarus glacialis</i>         | Fulmar                   | -           | -           | -           | -           | -           | -           | -           | -           | -           | 1           | -           | 1          | 1                       |                     |
| <i>Morus bassanus</i>             | Gannet                   | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | 1           | 1          | 1                       |                     |
| <i>Regulus regulus</i>            | Goldcrest                | -           | -           | -           | -           | -           | -           | -           | -           | -           | 2           | 4           | 6          | 2                       |                     |
| <i>Carduelis carduelis</i>        | Goldfinch                | 1           | -           | 1           | 3           | -           | -           | -           | -           | 1           | 15          | 25          | 46         | 6                       |                     |
| <i>Mergus merganser</i>           | Goosander                | -           | -           | -           | -           | -           | -           | -           | -           | -           | 1           | -           | 1          | 1                       |                     |
| <i>Larus marinus</i>              | Great black-backed gull  | 1           | -           | -           | -           | -           | 2           | 1           | 1           | -           | -           | 1           | 6          | 5                       |                     |
| <i>Podiceps cristatus</i>         | Great crested grebe      | -           | -           | -           | -           | -           | -           | -           | 1           | -           | 1           | 2           | 4          | 2                       |                     |
| <i>Parus major</i>                | Great tit                | -           | 5           | -           | -           | -           | -           | 2           | 2           | -           | -           | -           | 9          | 3                       |                     |
| <i>Carduelis chloris</i>          | Greenfinch               | -           | -           | -           | -           | -           | -           | -           | 1           | -           | -           | -           | 1          | 1                       |                     |
| <i>Ardea cinerea</i>              | Grey heron               | -           | 1           | -           | -           | -           | 1           | -           | -           | -           | 1           | -           | 3          | 3                       |                     |
| <b><i>Perdix perdix</i></b>       | <b>Grey partridge</b>    | <b>1</b>    | <b>3</b>    | -           | <b>2</b>    | -           | <b>4</b>    | -           | <b>2</b>    | <b>1</b>    | <b>2</b>    | <b>2</b>    | <b>17</b>  | <b>8</b>                |                     |
| <i>Motacilla cinerea</i>          | Grey wagtail             | -           | -           | 1           | -           | 1           | -           | -           | -           | -           | -           | -           | 2          | 2                       |                     |
| <i>Uria aalge</i>                 | Guillemot                | 1           | 3           | 1           | 1           | -           | -           | 1           | -           | -           | 2           | -           | 9          | 6                       |                     |
| <b><i>Larus argentatus</i></b>    | <b>Herring gull</b>      | <b>77</b>   | <b>18</b>   | <b>41</b>   | <b>39</b>   | <b>66</b>   | <b>148</b>  | <b>115</b>  | <b>92</b>   | <b>2</b>    | <b>138</b>  | <b>99</b>   | <b>835</b> | <b>11</b>               |                     |
| <i>Corvus monedula</i>            | Jackdaw                  | 227         | 246         | 10          | -           | 31          | 12          | -           | 3           | 1           | 20          | 5           | 555        | 9                       |                     |
| <i>Falco tinnunculus</i>          | Kestrel                  | 2           | -           | -           | 1           | -           | 1           | 1           | 1           | -           | 2           | 2           | 10         | 7                       |                     |
| <i>Rissa tridactyla</i>           | Kittiwake                | -           | -           | -           | -           | -           | -           | 5           | -           | -           | -           | -           | 5          | 1                       |                     |
| <i>Larus fuscus</i>               | Lesser black-backed gull | -           | -           | -           | 1           | -           | -           | -           | 2           | 2           | 2           | 4           | 11         | 5                       |                     |
| <b><i>Carduelis cannabina</i></b> | <b>Linnet</b>            | <b>6</b>    | -           | <b>2</b>    | -           | -           | -           | -           | -           | -           | <b>7</b>    | <b>23</b>   | <b>38</b>  | <b>4</b>                |                     |
| <i>Aegithalos caudatus</i>        | Long-tailed tit          | -           | -           | -           | 1           | -           | -           | -           | -           | -           | -           | -           | 1          | 1                       |                     |
| <i>Pica pica</i>                  | Magpie                   | 1           | -           | 2           | 5           | 5           | 1           | 5           | 2           | -           | 4           | 1           | 26         | 9                       |                     |
| <i>Anthus pratensis</i>           | Meadow pipit             | 7           | 13          | 11          | 18          | 1           | 17          | 4           | 8           | 11          | 32          | 14          | 136        | 11                      |                     |
| <i>Falco columbarius</i>          | Merlin                   | -           | -           | -           | -           | -           | -           | 1           | -           | -           | -           | -           | 1          | 1                       | Yes                 |
| <i>Haematopus ostralegus</i>      | Oystercatcher            | 4           | 5           | 13          | 1           | 6           | 6           | 9           | 9           | -           | 8           | 6           | 67         | 10                      |                     |
| <i>Falco peregrinus</i>           | Peregrine                | -           | -           | 1           | 1           | -           | 1           | -           | -           | -           | 1           | -           | 4          | 4                       | Yes                 |
| <i>Phasianus colchicus</i>        | Pheasant                 | -           | 1           | 1           | -           | -           | -           | -           | -           | -           | -           | -           | 2          | 2                       |                     |
| <i>Motacilla alba</i>             | Pied wagtail             | -           | -           | -           | -           | -           | -           | -           | -           | 1           | 1           | 1           | 3          | 3                       |                     |
| <i>Anser brachyrhynchus</i>       | Pink-footed goose        | -           | -           | -           | -           | 24          | -           | -           | 729         | -           | -           | 51          | 804        | 3                       |                     |
| <i>Anas acuta</i>                 | Pintail                  | 7           | -           | -           | -           | -           | -           | -           | -           | -           | -           | -           | 7          | 1                       |                     |



|  |                           | WBS1        | WBS2      | WBS3       | WBS4      | WBS5      | WBS6      | WBS7      | WBS8       | WBS9     | WBS10     | WBS11    |             |           |            |
|--|---------------------------|-------------|-----------|------------|-----------|-----------|-----------|-----------|------------|----------|-----------|----------|-------------|-----------|------------|
| <i>Corvus corax</i>                          | Raven                     | -           | -         | -          | -         | -         | 2         | -         | -          | -        | -         | -        | 2           | 1         |            |
| <i>Alca torda</i>                            | Razorbill                 | -           | 1         | -          | -         | -         | -         | -         | 1          | -        | -         | -        | 2           | 2         |            |
| <i>Tringa totanus</i>                        | Redshank                  | -           | -         | -          | -         | -         | -         | 2         | -          | -        | -         | -        | 2           | 1         |            |
| <i>Phoenicurus phoenicurus</i>               | Redstart                  | -           | -         | -          | -         | -         | -         | 2         | -          | -        | -         | -        | 2           | 1         |            |
| <b><i>Gavia stellata</i></b>                 | <b>Red-throated diver</b> | <b>2</b>    | <b>1</b>  | <b>2</b>   | <b>2</b>  | <b>2</b>  | -         | -         | <b>15</b>  | -        | <b>3</b>  | <b>4</b> | <b>31</b>   | <b>8</b>  |            |
| <b><i>Emberiza schoeniclus</i></b>           | <b>Reed bunting</b>       | <b>1</b>    | <b>3</b>  | <b>3</b>   | <b>2</b>  | <b>1</b>  | -         | <b>1</b>  | -          | -        | <b>1</b>  | <b>1</b> | <b>13</b>   | <b>8</b>  |            |
| <i>Erithacus rubecula</i>                    | Robin                     | 1           | -         | 1          | 1         | -         | 1         | -         | -          | 2        | -         | 1        | 7           | 6         |            |
| <i>Anthus petrosus petrosus</i>              | Rock pipit                | 2           | 2         | 2          | 1         | -         | 2         | 2         | 2          | 1        | 2         | 1        | 17          | 10        |            |
| <i>Corvus frugilegus</i>                     | Rook                      | 48          | 48        | 28         | 29        | 16        | 11        | 3         | -          | -        | -         | -        | 183         | 7         |            |
| <i>Phalacrocorax aristotelis</i>             | Shag                      | 2           | 13        | 2          | 2         | 2         | 2         | 1         | -          | -        | -         | -        | 24          | 7         |            |
| <i>Carduelis spinus</i>                      | Siskin                    | 1           | -         | -          | 3         | -         | -         | -         | -          | -        | 10        | 1        | 15          | 4         |            |
| <b><i>Alauda arvensis</i></b>                | <b>Skylark</b>            | <b>23</b>   | <b>20</b> | <b>56</b>  | <b>5</b>  | <b>78</b> | <b>1</b>  | <b>92</b> | <b>118</b> | <b>4</b> | <b>27</b> | <b>6</b> | <b>430</b>  | <b>11</b> |            |
| <i>Gallinago gallinago</i>                   | Snipe                     | -           | -         | 5          | 2         | -         | -         | -         | -          | -        | -         | -        | 7           | 2         |            |
| <b><i>Turdus philomelos</i></b>              | <b>Song thrush</b>        | -           | <b>4</b>  | <b>2</b>   | <b>1</b>  | -         | <b>1</b>  | <b>3</b>  | <b>1</b>   | <b>3</b> | <b>1</b>  | -        | <b>16</b>   | <b>8</b>  |            |
| <i>Accipiter nisus</i>                       | Sparrowhawk               | -           | -         | -          | -         | 1         | -         | -         | -          | -        | -         | -        | 1           | 1         |            |
| <b><i>Sturnus vulgaris</i></b>               | <b>Starling</b>           | <b>1256</b> | <b>12</b> | <b>251</b> | <b>35</b> | <b>34</b> | <b>40</b> | -         | -          | -        | <b>1</b>  | -        | <b>1629</b> | <b>7</b>  |            |
| <i>Saxicola torquata</i>                     | Stonechat                 | 3           | 4         | 1          | 2         | 1         | 2         | 2         | 2          | -        | 3         | 2        | 22          | 10        |            |
| <i>Arenaria interpres</i>                    | Turnstone                 | -           | -         | -          | 3         | -         | -         | 3         | -          | -        | -         | -        | 6           | 2         |            |
| <i>Oenanthe oenanthe</i>                     | Wheatear                  | -           | -         | -          | -         | -         | -         | -         | -          | -        | -         | 1        | 1           | 1         |            |
| <i>Cygnus cygnus</i>                         | Whooper swan              | -           | -         | -          | -         | -         | -         | -         | -          | -        | 15        | 270      | 285         | 2         | <b>Yes</b> |
| <i>Columba palumbus</i>                      | Wood pigeon               | 74          | 15        | 4          | -         | -         | -         | -         | -          | -        | 5         | -        | 98          | 4         |            |
| <i>Troglodytes troglodytes</i>               | Wren                      | 3           | 6         | 1          | 5         | 4         | 2         | 3         | 1          | 4        | 2         | 1        | 32          | 11        |            |
| Priority Species are listed in <b>bold</b> . |                           |             |           |            |           |           |           |           |            |          |           |          |             |           |            |

**Table 8.2: Wintering Bird Survey Data for Survey 1: 29<sup>th</sup> October 2018**

| Scientific Name                              | Common Name               | Times Observed | Total Number Seen | No. In Flight, Over Site | No. In Flight, Outside site | No Activity Noted, In Site | No Activity Noted, Outside Site | Other, In Site | Other, Outside Site | Peak Count (for a single flock) |
|--|---------------------------|----------------|-------------------|--------------------------|-----------------------------|----------------------------|---------------------------------|----------------|---------------------|---------------------------------|
| <i>Turdus merula</i>                         | Blackbird                 | 4              | 4                 | 0                        | 1                           | 0                          | 2                               | 0              | 1                   | 1                               |
| <i>Cyanistes caeruleus</i>                   | Blue tit                  | 1              | 6                 | 0                        | 0                           | 0                          | 6                               | 0              | 0                   | 6                               |
| <i>Buteo buteo</i>                           | Buzzard                   | 2              | 2                 | 0                        | 1                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Corvus corone corone</i>                  | Carrion crow              | 19             | 91                | 21                       | 18                          | 42                         | 10                              | 0              | 0                   | 30                              |
| <i>Fringilla coelebs</i>                     | Chaffinch                 | 1              | 2                 | 2                        | 0                           | 0                          | 0                               | 0              | 0                   | 2                               |
| <b><i>Melanitta nigra</i></b>                | <b>Common scoter</b>      | <b>2</b>       | <b>22</b>         | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>22</b>                       | <b>0</b>       | <b>0</b>            | 16                              |
| <i>Phalacrocorax carbo</i>                   | Cormorant                 | 7              | 40                | 0                        | 19                          | 0                          | 21                              | 0              | 0                   | 18                              |
| <b><i>Numenius arquata</i></b>               | <b>Curlew</b>             | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>1</b>                        | <b>0</b>       | <b>0</b>            | 1                               |
| <b><i>Prunella modularis</i></b>             | <b>Dunnoch</b>            | <b>2</b>       | <b>2</b>          | <b>0</b>                 | <b>0</b>                    | <b>1</b>                   | <b>0</b>                        | <b>1</b>       | <b>0</b>            | 1                               |
| <i>Carduelis carduelis</i>                   | Goldfinch                 | 1              | 1                 | 1                        | 0                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Larus marinus</i>                         | Great black-backed gull   | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <b><i>Perdix perdix</i></b>                  | <b>Grey partridge</b>     | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>1</b>       | <b>0</b>            | 1                               |
| <i>Uria aalge</i>                            | Guillemot                 | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <b><i>Larus argentatus</i></b>               | <b>Herring gull</b>       | <b>7</b>       | <b>77</b>         | <b>1</b>                 | <b>10</b>                   | <b>0</b>                   | <b>66</b>                       | <b>0</b>       | <b>0</b>            | 41                              |
| <i>Corvus monedula</i>                       | Jackdaw                   | 10             | 227               | 59                       | 66                          | 100                        | 2                               | 0              | 0                   | 100                             |
| <i>Falco tinnunculus</i>                     | Kestrel                   | 2              | 2                 | 0                        | 2                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <b><i>Carduelis cannabina</i></b>            | <b>Linnet</b>             | <b>3</b>       | <b>6</b>          | <b>2</b>                 | <b>0</b>                    | <b>4</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | 4                               |
| <i>Pica pica</i>                             | Magpie                    | 1              | 1                 | 0                        | 0                           | 1                          | 0                               | 0              | 0                   | 1                               |
| <i>Anthus pratensis</i>                      | Meadow pipit              | 3              | 7                 | 0                        | 4                           | 0                          | 0                               | 3              | 0                   | 4                               |
| <i>Haematopus ostralegus</i>                 | Oystercatcher             | 1              | 4                 | 0                        | 0                           | 0                          | 4                               | 0              | 0                   | 4                               |
| <i>Anas acuta</i>                            | Pintail                   | 1              | 7                 | 0                        | 7                           | 0                          | 0                               | 0              | 0                   | 7                               |
| <b><i>Gavia stellata</i></b>                 | <b>Red-throated diver</b> | <b>1</b>       | <b>2</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>2</b>                        | <b>0</b>       | <b>0</b>            | 2                               |
| <b><i>Emberiza schoeniclus</i></b>           | <b>Reed bunting</b>       | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>1</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | 1                               |
| <i>Erithacus rubecula</i>                    | Robin                     | 1              | 1                 | 0                        | 0                           | 0                          | 0                               | 1              | 0                   | 1                               |
| <i>Anthus petrosus petrosus</i>              | Rock pipit                | 2              | 2                 | 1                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Corvus frugilegus</i>                     | Rook                      | 7              | 48                | 24                       | 4                           | 20                         | 0                               | 0              | 0                   | 20                              |
| <i>Phalacrocorax aristotelis</i>             | Shag                      | 1              | 2                 | 0                        | 0                           | 0                          | 2                               | 0              | 0                   | 2                               |
| <i>Carduelis spinus</i>                      | Siskin                    | 1              | 1                 | 1                        | 0                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <b><i>Alauda arvensis</i></b>                | <b>Skylark</b>            | <b>9</b>       | <b>23</b>         | <b>18</b>                | <b>5</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | 7                               |
| <b><i>Sturnus vulgaris</i></b>               | <b>Starling</b>           | <b>6</b>       | <b>1256</b>       | <b>1256</b>              | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | 1000                            |
| <i>Saxicola torquata</i>                     | Stonechat                 | 3              | 3                 | 0                        | 0                           | 3                          | 0                               | 0              | 0                   | 1                               |
| <i>Columba palumbus</i>                      | Wood pigeon               | 4              | 74                | 30                       | 42                          | 1                          | 1                               | 0              | 0                   | 42                              |
| <i>Troglodytes troglodytes</i>               | Wren                      | 3              | 3                 | 0                        | 0                           | 0                          | 0                               | 2              | 1                   | 1                               |
| Priority Species are listed in <b>bold</b> . |                           |                |                   |                          |                             |                            |                                 |                |                     |                                 |

**Table 8.3: Wintering Bird Survey Data for Survey 2: 2<sup>nd</sup> November 2018**

| Scientific Name                            | Common Name               | Times Observed | Total Number Seen | No. In Flight, Over Site | No. In Flight, Outside site | No Activity Noted, In Site | No Activity Noted, Outside Site | Other, In Site | Other, Outside Site | Peak Count (for a single flock) |
|--|---------------------------|----------------|-------------------|--------------------------|-----------------------------|----------------------------|---------------------------------|----------------|---------------------|---------------------------------|
| <i>Larus ridibundus</i>                    | Black-headed gull         | 5              | 15                | 0                        | 1                           | 0                          | 14                              | 0              | 0                   | 7                               |
| <i>Cyanistes caeruleus</i>                 | Blue tit                  | 1              | 1                 | 0                        | 0                           | 0                          | 0                               | 0              | 1                   | 1                               |
| <i>Corvus corone corone</i>                | Carrion crow              | 8              | 169               | 25                       | 111                         | 26                         | 7                               | 0              | 0                   | 110                             |
| <i>Fringilla coelebs</i>                   | Chaffinch                 | 1              | 1                 | 1                        | 0                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Larus canus</i>                         | Common gull               | 1              | 2                 | 0                        | 0                           | 0                          | 2                               | 0              | 0                   | 2                               |
| <b><i>Melanitta nigra</i></b>              | <b>Common scoter</b>      | <b>2</b>       | <b>49</b>         | <b>0</b>                 | <b>48</b>                   | <b>0</b>                   | <b>1</b>                        | <b>0</b>       | <b>0</b>            | <b>48</b>                       |
| <i>Phalacrocorax carbo</i>                 | Cormorant                 | 3              | 10                | 0                        | 10                          | 0                          | 0                               | 0              | 0                   | 6                               |
| <b><i>Numenius arquata</i></b>             | <b>Curlew</b>             | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>1</b>                        | <b>0</b>       | <b>0</b>            | <b>1</b>                        |
| <b><i>Prunella modularis</i></b>           | <b>Dunnock</b>            | <b>2</b>       | <b>2</b>          | <b>0</b>                 | <b>0</b>                    | <b>1</b>                   | <b>0</b>                        | <b>1</b>       | <b>0</b>            | <b>1</b>                        |
| <i>Parus major</i>                         | Great tit                 | 2              | 5                 | 0                        | 0                           | 5                          | 0                               | 0              | 0                   | 3                               |
| <i>Ardea cinerea</i>                       | Grey heron                | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <b><i>Perdix perdix</i></b>                | <b>Grey partridge</b>     | <b>1</b>       | <b>3</b>          | <b>0</b>                 | <b>3</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | <b>3</b>                        |
| <i>Uria aalge</i>                          | Guillemot                 | 2              | 3                 | 0                        | 0                           | 0                          | 3                               | 0              | 0                   | 2                               |
| <b><i>Larus argentatus</i></b>             | <b>Herring gull</b>       | <b>8</b>       | <b>18</b>         | <b>3</b>                 | <b>2</b>                    | <b>0</b>                   | <b>13</b>                       | <b>0</b>       | <b>0</b>            | <b>7</b>                        |
| <i>Corvus monedula</i>                     | Jackdaw                   | 8              | 246               | 111                      | 95                          | 40                         | 0                               | 0              | 0                   | 100                             |
| <i>Anthus pratensis</i>                    | Meadow pipit              | 5              | 13                | 6                        | 3                           | 0                          | 0                               | 4              | 0                   | 4                               |
| <i>Haematopus ostralegus</i>               | Oystercatcher             | 1              | 5                 | 0                        | 0                           | 0                          | 5                               | 0              | 0                   | 5                               |
| <i>Phasianus colchicus</i>                 | Pheasant                  | 1              | 1                 | 0                        | 0                           | 0                          | 0                               | 1              | 0                   | 1                               |
| <i>Alca torda</i>                          | Razorbill                 | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <b><i>Gavia stellata</i></b>               | <b>Red-throated diver</b> | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>1</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | <b>1</b>                        |
| <b><i>Emberiza schoeniclus</i></b>         | <b>Reed bunting</b>       | <b>3</b>       | <b>3</b>          | <b>0</b>                 | <b>1</b>                    | <b>0</b>                   | <b>0</b>                        | <b>1</b>       | <b>1</b>            | <b>1</b>                        |
| <i>Anthus petrosus petrosus</i>            | Rock pipit                | 2              | 2                 | 0                        | 1                           | 0                          | 0                               | 0              | 1                   | 1                               |
| <i>Corvus frugilegus</i>                   | Rook                      | 6              | 48                | 20                       | 0                           | 28                         | 0                               | 0              | 0                   | 15                              |
| <i>Phalacrocorax aristotelis</i>           | Shag                      | 4              | 13                | 0                        | 4                           | 0                          | 9                               | 0              | 0                   | 9                               |
| <b><i>Alauda arvensis</i></b>              | <b>Skylark</b>            | <b>7</b>       | <b>20</b>         | <b>12</b>                | <b>2</b>                    | <b>0</b>                   | <b>0</b>                        | <b>6</b>       | <b>0</b>            | <b>9</b>                        |
| <b><i>Turdus philomelos</i></b>            | <b>Song thrush</b>        | <b>4</b>       | <b>4</b>          | <b>0</b>                 | <b>1</b>                    | <b>0</b>                   | <b>0</b>                        | <b>1</b>       | <b>2</b>            | <b>1</b>                        |
| <b><i>Sturnus vulgaris</i></b>             | <b>Starling</b>           | <b>1</b>       | <b>12</b>         | <b>0</b>                 | <b>12</b>                   | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | <b>12</b>                       |
| <i>Saxicola torquata</i>                   | Stonechat                 | 3              | 4                 | 0                        | 0                           | 1                          | 3                               | 0              | 0                   | 2                               |
| <i>Columba palumbus</i>                    | Wood pigeon               | 1              | 15                | 0                        | 15                          | 0                          | 0                               | 0              | 0                   | 15                              |
| <i>Troglodytes troglodytes</i>             | Wren                      | 6              | 6                 | 0                        | 0                           | 0                          | 0                               | 1              | 5                   | 1                               |
| Priority Species are listed in <b>bold</b> |                           |                |                   |                          |                             |                            |                                 |                |                     |                                 |

**Table 8.4: Wintering Bird Survey Data for Survey 3: 16<sup>th</sup> November 2018**

| Scientific Name                    | Common Name               | Times Observed | Total Number Seen | No. In Flight, Over Site | No. In Flight, Outside site | No Activity Noted, In Site | No Activity Noted, Outside Site | Other, In Site | Other, Outside Site | Peak Count (for a single flock) |
|------------------------------------|---------------------------|----------------|-------------------|--------------------------|-----------------------------|----------------------------|---------------------------------|----------------|---------------------|---------------------------------|
| <i>Turdus merula</i>               | Blackbird                 | 1              | 1                 | 0                        | 0                           | 1                          | 0                               | 0              | 0                   | 1                               |
| <i>Larus ridibundus</i>            | Black-headed gull         | 2              | 3                 | 0                        | 1                           | 0                          | 2                               | 0              | 0                   | 2                               |
| <i>Corvus corone corone</i>        | Carrion crow              | 9              | 43                | 2                        | 6                           | 34                         | 1                               | 0              | 0                   | 30                              |
| <i>Fringilla coelebs</i>           | Chaffinch                 | 1              | 1                 | 1                        | 0                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <b><i>Melanitta nigra</i></b>      | <b>Common scoter</b>      | <b>1</b>       | <b>10</b>         | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>10</b>                       | <b>0</b>       | <b>0</b>            | <b>10</b>                       |
| <b><i>Numenius arquata</i></b>     | <b>Curlew</b>             | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>1</b>                        | <b>0</b>       | <b>0</b>            | <b>1</b>                        |
| <b><i>Prunella modularis</i></b>   | <b>Dunnock</b>            | <b>2</b>       | <b>2</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>1</b>       | <b>1</b>            | <b>1</b>                        |
| <i>Carduelis carduelis</i>         | Goldfinch                 | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Motacilla cinerea</i>           | Grey wagtail              | 1              | 1                 | 1                        | 0                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Uria aalge</i>                  | Guillemot                 | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <b><i>Larus argentatus</i></b>     | <b>Herring gull</b>       | <b>8</b>       | <b>41</b>         | <b>1</b>                 | <b>11</b>                   | <b>0</b>                   | <b>29</b>                       | <b>0</b>       | <b>0</b>            | <b>15</b>                       |
| <i>Corvus monedula</i>             | Jackdaw                   | 1              | 10                | 0                        | 0                           | 10                         | 0                               | 0              | 0                   | 10                              |
| <b><i>Carduelis cannabina</i></b>  | <b>Linnet</b>             | <b>1</b>       | <b>2</b>          | <b>0</b>                 | <b>2</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | <b>2</b>                        |
| <i>Pica pica</i>                   | Magpie                    | 2              | 2                 | 1                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Anthus pratensis</i>            | Meadow pipit              | 5              | 11                | 0                        | 8                           | 0                          | 0                               | 0              | 3                   | 6                               |
| <i>Haematopus ostralegus</i>       | Oystercatcher             | 4              | 13                | 0                        | 5                           | 0                          | 8                               | 0              | 0                   | 5                               |
| <i>Falco peregrinus</i>            | Peregrine                 | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Phasianus colchicus</i>         | Pheasant                  | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <b><i>Gavia stellata</i></b>       | <b>Red-throated diver</b> | <b>2</b>       | <b>2</b>          | <b>0</b>                 | <b>1</b>                    | <b>0</b>                   | <b>1</b>                        | <b>0</b>       | <b>0</b>            | <b>1</b>                        |
| <b><i>Emberiza schoeniclus</i></b> | <b>Reed bunting</b>       | <b>3</b>       | <b>3</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>1</b>                        | <b>1</b>       | <b>1</b>            | <b>1</b>                        |
| <i>Erithacus rubecula</i>          | Robin                     | 1              | 1                 | 0                        | 0                           | 0                          | 0                               | 1              | 0                   | 1                               |
| <i>Anthus petrosus petrosus</i>    | Rock pipit                | 2              | 2                 | 0                        | 2                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Corvus frugilegus</i>           | Rook                      | 4              | 28                | 1                        | 1                           | 26                         | 0                               | 0              | 0                   | 20                              |
| <i>Phalacrocorax aristotelis</i>   | Shag                      | 2              | 2                 | 0                        | 0                           | 0                          | 2                               | 0              | 0                   | 1                               |
| <b><i>Alauda arvensis</i></b>      | <b>Skylark</b>            | <b>8</b>       | <b>56</b>         | <b>41</b>                | <b>2</b>                    | <b>0</b>                   | <b>0</b>                        | <b>2</b>       | <b>11</b>           | <b>32</b>                       |
| <i>Gallinago gallinago</i>         | Snipe                     | 2              | 5                 | 0                        | 4                           | 1                          | 0                               | 0              | 0                   | 4                               |
| <b><i>Turdus philomelos</i></b>    | <b>Song thrush</b>        | <b>2</b>       | <b>2</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>1</b>                        | <b>0</b>       | <b>1</b>            | <b>1</b>                        |
| <b><i>Sturnus vulgaris</i></b>     | <b>Starling</b>           | <b>6</b>       | <b>251</b>        | <b>140</b>               | <b>111</b>                  | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | <b>137</b>                      |
| <i>Saxicola torquata</i>           | Stonechat                 | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Columba palumbus</i>            | Wood pigeon               | 1              | 4                 | 0                        | 4                           | 0                          | 0                               | 0              | 0                   | 4                               |
| <i>Troglodytes troglodytes</i>     | Wren                      | 1              | 1                 | 0                        | 0                           | 0                          | 0                               | 0              | 1                   | 1                               |

**Table 8.5: Wintering Bird Survey Data for Survey 4: 23<sup>rd</sup> November 2018**

| Scientific Name                    | Common Name               | Times Observed | Total Number Seen | No. In Flight, Over Site | No. In Flight, Outside site | No Activity Noted, In Site | No Activity Noted, Outside Site | Other, In Site | Other, Outside Site | Peak Count (for a single flock) |
|------------------------------------|---------------------------|----------------|-------------------|--------------------------|-----------------------------|----------------------------|---------------------------------|----------------|---------------------|---------------------------------|
| <i>Auk species</i>                 | Auk species               | 1              | 3                 | 0                        | 0                           | 0                          | 3                               | 0              | 0                   | 3                               |
| <i>Turdus merula</i>               | Blackbird                 | 1              | 1                 | 0                        | 0                           | 1                          | 0                               | 0              | 0                   | 1                               |
| <i>Larus ridibundus</i>            | Black-headed gull         | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Cyanistes caeruleus</i>         | Blue tit                  | 2              | 2                 | 0                        | 0                           | 1                          | 0                               | 0              | 1                   | 1                               |
| <i>Buteo buteo</i>                 | Buzzard                   | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Corvus corone corone</i>        | Carrion crow              | 13             | 29                | 4                        | 7                           | 15                         | 3                               | 0              | 0                   | 8                               |
| <i>Fringilla coelebs</i>           | Chaffinch                 | 3              | 3                 | 2                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <b><i>Melanitta nigra</i></b>      | <b>Common scoter</b>      | <b>4</b>       | <b>14</b>         | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>11</b>                       | <b>0</b>       | <b>0</b>            | <b>8</b>                        |
| <i>Phalacrocorax carbo</i>         | Cormorant                 | 1              | 10                | 0                        | 0                           | 0                          | 10                              | 0              | 0                   | 10                              |
| <b><i>Prunella modularis</i></b>   | <b>Dunnoek</b>            | <b>5</b>       | <b>5</b>          | <b>0</b>                 | <b>0</b>                    | <b>1</b>                   | <b>0</b>                        | <b>0</b>       | <b>4</b>            | <b>1</b>                        |
| <i>Carduelis carduelis</i>         | Goldfinch                 | 1              | 3                 | 0                        | 0                           | 0                          | 0                               | 0              | 3                   | 3                               |
| <b><i>Perdix perdix</i></b>        | <b>Grey partridge</b>     | <b>2</b>       | <b>2</b>          | <b>1</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>1</b>       | <b>0</b>            | <b>1</b>                        |
| <i>Uria aalge</i>                  | Guillemot                 | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <b><i>Larus argentatus</i></b>     | <b>Herring gull</b>       | <b>17</b>      | <b>39</b>         | <b>9</b>                 | <b>7</b>                    | <b>0</b>                   | <b>23</b>                       | <b>0</b>       | <b>0</b>            | <b>17</b>                       |
| <i>Falco tinnunculus</i>           | Kestrel                   | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Larus fuscus</i>                | Lesser black-backed gull  | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Aegithalos caudatus</i>         | Long-tailed tit           | 1              | 1                 | 0                        | 0                           | 0                          | 0                               | 0              | 1                   | 1                               |
| <i>Pica pica</i>                   | Magpie                    | 3              | 5                 | 0                        | 0                           | 3                          | 2                               | 0              | 0                   | 2                               |
| <i>Anthus pratensis</i>            | Meadow pipit              | 7              | 18                | 4                        | 1                           | 0                          | 0                               | 4              | 9                   | 7                               |
| <i>Haematopus ostralegus</i>       | Oystercatcher             | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Falco peregrinus</i>            | Peregrine                 | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <b><i>Gavia stellata</i></b>       | <b>Red-throated diver</b> | <b>2</b>       | <b>2</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>2</b>                        | <b>0</b>       | <b>0</b>            | <b>1</b>                        |
| <b><i>Emberiza schoeniclus</i></b> | <b>Reed bunting</b>       | <b>2</b>       | <b>2</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>1</b>       | <b>1</b>            | <b>1</b>                        |
| <i>Erithacus rubecula</i>          | Robin                     | 1              | 1                 | 0                        | 0                           | 1                          | 0                               | 0              | 0                   | 1                               |
| <i>Anthus petrosus</i>             | Rock pipit                | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Corvus frugilegus</i>           | Rook                      | 6              | 29                | 6                        | 1                           | 21                         | 1                               | 0              | 0                   | 17                              |
| <i>Phalacrocorax aristotelis</i>   | Shag                      | 2              | 2                 | 0                        | 0                           | 0                          | 2                               | 0              | 0                   | 1                               |
| <i>Carduelis spinus</i>            | Siskin                    | 1              | 3                 | 3                        | 0                           | 0                          | 0                               | 0              | 0                   | 3                               |
| <b><i>Alauda arvensis</i></b>      | <b>Skylark</b>            | <b>4</b>       | <b>5</b>          | <b>2</b>                 | <b>3</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | <b>2</b>                        |
| <i>Gallinago gallinago</i>         | Snipe                     | 1              | 2                 | 0                        | 0                           | 2                          | 0                               | 0              | 0                   | 2                               |
| <b><i>Turdus philomelos</i></b>    | <b>Song thrush</b>        | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>1</b>            | <b>1</b>                        |

| Scientific Name                              | Common Name     | Times Observed | Total Number Seen | No. In Flight, Over Site | No. In Flight, Outside site | No Activity Noted, In Site | No Activity Noted, Outside Site | Other, In Site | Other, Outside Site | Peak Count (for a single flock) |
|--|-----------------|----------------|-------------------|--------------------------|-----------------------------|----------------------------|---------------------------------|----------------|---------------------|---------------------------------|
| <b><i>Sturnus vulgaris</i></b>               | <b>Starling</b> | 3              | 35                | 5                        | 30                          | 0                          | 0                               | 0              | 0                   | 30                              |
| <i>Saxicola torquata</i>                     | Stonechat       | 1              | 2                 | 0                        | 0                           | 0                          | 2                               | 0              | 0                   | 2                               |
| <i>Arenaria interpres</i>                    | Turnstone       | 1              | 3                 | 0                        | 0                           | 0                          | 3                               | 0              | 0                   | 3                               |
| <i>Troglodytes troglodytes</i>               | Wren            | 5              | 5                 | 0                        | 0                           | 0                          | 0                               | 1              | 4                   | 1                               |
| Priority Species are listed in <b>bold</b> . |                 |                |                   |                          |                             |                            |                                 |                |                     |                                 |



**Table 8.6: Wintering Bird Survey Data for Survey 5: 2<sup>nd</sup> January 2019**

| Scientific Name                              | Common Name               | Times Observed | Total Number Seen | No. In Flight, Over Site | No. In Flight, Outside site | No Activity Noted, In Site | No Activity Noted, Outside Site | Other, In Site | Other, Outside Site | Peak Count (for a single flock) |
|--|---------------------------|----------------|-------------------|--------------------------|-----------------------------|----------------------------|---------------------------------|----------------|---------------------|---------------------------------|
| <i>Corvus corone corone</i>                  | Carion crow               | 10             | 50                | 4                        | 0                           | 35                         | 10                              | 1              | 0                   | 20                              |
| <b><i>Melanitta nigra</i></b>                | <b>Common scoter</b>      | <b>5</b>       | <b>58</b>         | <b>0</b>                 | <b>6</b>                    | <b>0</b>                   | <b>52</b>                       | <b>0</b>       | <b>0</b>            | 35                              |
| <i>Phalacrocorax carbo</i>                   | Cormorant                 | 6              | 280               | 0                        | 275                         | 0                          | 5                               | 0              | 0                   | 168                             |
| <b><i>Prunella modularis</i></b>             | <b>Dunnock</b>            | <b>2</b>       | <b>2</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>2</b>            | 1                               |
| <i>Motacilla cinerea</i>                     | Grey wagtail              | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <b><i>Larus argentatus</i></b>               | <b>Herring gull</b>       | <b>21</b>      | <b>66</b>         | <b>8</b>                 | <b>17</b>                   | <b>34</b>                  | <b>7</b>                        | <b>0</b>       | <b>0</b>            | 34                              |
| <i>Corvus monedula</i>                       | Jackdaw                   | 2              | 31                | 1                        | 0                           | 0                          | 0                               | 30             | 0                   | 30                              |
| <i>Pica pica</i>                             | Magpie                    | 3              | 5                 | 2                        | 3                           | 0                          | 0                               | 0              | 0                   | 2                               |
| <i>Anthus pratensis</i>                      | Meadow pipit              | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Haematopus ostralegus</i>                 | Oystercatcher             | 3              | 6                 | 0                        | 0                           | 0                          | 6                               | 0              | 0                   | 3                               |
| <i>Anser brachyrhynchus</i>                  | Pink-footed goose         | 1              | 24                | 0                        | 24                          | 0                          | 0                               | 0              | 0                   | 24                              |
| <b><i>Gavia stellata</i></b>                 | <b>Red-throated diver</b> | <b>1</b>       | <b>2</b>          | <b>0</b>                 | <b>2</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | 2                               |
| <b><i>Emberiza schoeniclus</i></b>           | <b>Reed bunting</b>       | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>1</b>       | <b>0</b>            | 1                               |
| <i>Corvus frugilegus</i>                     | Rook                      | 3              | 16                | 0                        | 1                           | 14                         | 1                               | 0              | 0                   | 14                              |
| <i>Phalacrocorax aristotelis</i>             | Shag                      | 2              | 2                 | 0                        | 1                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <b><i>Alauda arvensis</i></b>                | <b>Skylark</b>            | <b>2</b>       | <b>78</b>         | <b>6</b>                 | <b>0</b>                    | <b>72</b>                  | <b>0</b>                        | <b>0</b>       | <b>0</b>            | 72                              |
| <i>Accipiter nisus</i>                       | Sparrowhawk               | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <b><i>Sturnus vulgaris</i></b>               | <b>Starling</b>           | <b>1</b>       | <b>34</b>         | <b>34</b>                | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | 34                              |
| <i>Saxicola torquata</i>                     | Stonechat                 | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Troglodytes troglodytes</i>               | Wren                      | 4              | 4                 | 0                        | 0                           | 0                          | 1                               | 0              | 3                   | 1                               |
| Priority Species are listed in <b>bold</b> . |                           |                |                   |                          |                             |                            |                                 |                |                     |                                 |

**Table 8.7: Wintering Bird Survey Data for Survey 6: 9<sup>th</sup> January 2019**

| Scientific Name                  | Common Name             | Times Observed | Total Number Seen | No. In Flight, Over Site | No. In Flight, Outside site | No Activity Noted, In Site | No Activity Noted, Outside Site | Other, In Site | Other, Outside Site | Peak Count (for a single flock) |
|----------------------------------|-------------------------|----------------|-------------------|--------------------------|-----------------------------|----------------------------|---------------------------------|----------------|---------------------|---------------------------------|
| <i>Larus ridibundus</i>          | Black-headed gull       | 3              | 5                 | 0                        | 5                           | 0                          | 0                               | 0              | 0                   | 3                               |
| <i>Corvus corone corone</i>      | Carrion crow            | 6              | 35                | 0                        | 1                           | 29                         | 5                               | 0              | 0                   | 20                              |
| <i>Phalacrocorax carbo</i>       | Cormorant               | 15             | 1015              | 0                        | 1006                        | 0                          | 9                               | 0              | 0                   | 460                             |
| <b><i>Prunella modularis</i></b> | <b>Dunnock</b>          | <b>2</b>       | <b>3</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>3</b>       | <b>0</b>            | <b>2</b>                        |
| <i>Larus marinus</i>             | Great black-backed gull | 1              | 2                 | 0                        | 0                           | 0                          | 2                               | 0              | 0                   | 2                               |
| <i>Ardea cinerea</i>             | Grey heron              | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <b><i>Perdix perdix</i></b>      | <b>Grey partridge</b>   | <b>1</b>       | <b>4</b>          | <b>0</b>                 | <b>0</b>                    | <b>4</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | <b>4</b>                        |
| <b><i>Larus argentatus</i></b>   | <b>Herring gull</b>     | <b>18</b>      | <b>148</b>        | <b>4</b>                 | <b>18</b>                   | <b>0</b>                   | <b>126</b>                      | <b>0</b>       | <b>0</b>            | <b>100</b>                      |
| <i>Corvus monedula</i>           | Jackdaw                 | 2              | 12                | 0                        | 2                           | 10                         | 0                               | 0              | 0                   | 10                              |
| <i>Falco tinnunculus</i>         | Kestrel                 | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Pica pica</i>                 | Magpie                  | 1              | 1                 | 0                        | 0                           | 1                          | 0                               | 0              | 0                   | 1                               |
| <i>Anthus pratensis</i>          | Meadow pipit            | 3              | 17                | 1                        | 16                          | 0                          | 0                               | 0              | 0                   | 15                              |
| <i>Haematopus ostralegus</i>     | Oystercatcher           | 2              | 6                 | 0                        | 0                           | 0                          | 6                               | 0              | 0                   | 4                               |
| <i>Falco peregrinus</i>          | Peregrine               | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Corvus corax</i>              | Raven                   | 2              | 2                 | 1                        | 0                           | 0                          | 0                               | 1              | 0                   | 1                               |
| <i>Erithacus rubecula</i>        | Robin                   | 1              | 1                 | 0                        | 0                           | 1                          | 0                               | 0              | 0                   | 1                               |
| <i>Anthus petrosus petrosus</i>  | Rock pipit              | 2              | 2                 | 0                        | 2                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Corvus frugilegus</i>         | Rook                    | 2              | 11                | 1                        | 0                           | 10                         | 0                               | 0              | 0                   | 10                              |
| <i>Phalacrocorax aristotelis</i> | Shag                    | 2              | 2                 | 0                        | 1                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <b><i>Alauda arvensis</i></b>    | <b>Skylark</b>          | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>1</b>       | <b>0</b>            | <b>1</b>                        |
| <b><i>Turdus philomelos</i></b>  | <b>Song thrush</b>      | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>1</b>            | <b>1</b>                        |
| <b><i>Sturnus vulgaris</i></b>   | <b>Starling</b>         | <b>1</b>       | <b>40</b>         | <b>0</b>                 | <b>40</b>                   | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | <b>40</b>                       |
| <i>Saxicola torquata</i>         | Stonechat               | 2              | 2                 | 0                        | 0                           | 2                          | 0                               | 0              | 0                   | 1                               |
| <i>Troglodytes troglodytes</i>   | Wren                    | 2              | 2                 | 0                        | 0                           | 0                          | 0                               | 1              | 1                   | 1                               |

Priority Species are listed in **bold**.

**Table 8.8: Wintering Bird Survey Data for Survey 7: 31<sup>st</sup> January 2019**

| Scientific Name                    | Common Name             | Times Observed | Total Number Seen | No. In Flight, Over Site | No. In Flight, Outside site | No Activity Noted, In Site | No Activity Noted, Outside Site | Other, In Site | Other, Outside Site | Peak Count (for a single flock) |
|------------------------------------|-------------------------|----------------|-------------------|--------------------------|-----------------------------|----------------------------|---------------------------------|----------------|---------------------|---------------------------------|
| <i>Auk species</i>                 | Auk species             | 2              | 2                 | 0                        | 2                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Limosa lapponica</i>            | Bar-tailed godwit       | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Turdus merula</i>               | Blackbird               | 2              | 2                 | 0                        | 0                           | 1                          | 0                               | 1              | 0                   | 1                               |
| <i>Larus ridibundus</i>            | Black-headed gull       | 9              | 16                | 0                        | 14                          | 0                          | 2                               | 0              | 0                   | 4                               |
| <i>Cyanistes caeruleus</i>         | Blue tit                | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Corvus corone corone</i>        | Carrion crow            | 12             | 39                | 4                        | 2                           | 28                         | 5                               | 0              | 0                   | 12                              |
| <b><i>Melanitta nigra</i></b>      | <b>Common scoter</b>    | <b>3</b>       | <b>4</b>          | <b>0</b>                 | <b>2</b>                    | <b>0</b>                   | <b>2</b>                        | <b>0</b>       | <b>0</b>            | <b>2</b>                        |
| <i>Phalacrocorax carbo</i>         | Cormorant               | 3              | 11                | 0                        | 2                           | 0                          | 9                               | 0              | 0                   | 9                               |
| <b><i>Numenius arquata</i></b>     | <b>Curlew</b>           | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>1</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | <b>1</b>                        |
| <b><i>Prunella modularis</i></b>   | <b>Duncock</b>          | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>1</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | <b>1</b>                        |
| <i>Larus marinus</i>               | Great black-backed gull | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Parus major</i>                 | Great tit               | 2              | 2                 | 0                        | 0                           | 0                          | 0                               | 1              | 1                   | 1                               |
| <i>Uria aalge</i>                  | Guillemot               | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <b><i>Larus argentatus</i></b>     | <b>Herring gull</b>     | <b>22</b>      | <b>115</b>        | <b>5</b>                 | <b>31</b>                   | <b>4</b>                   | <b>75</b>                       | <b>0</b>       | <b>0</b>            | <b>40</b>                       |
| <i>Falco tinnunculus</i>           | Kestrel                 | 1              | 1                 | 0                        | 0                           | 1                          | 0                               | 0              | 0                   | 1                               |
| <i>Rissa tridactyla</i>            | Kittiwake               | 1              | 5                 | 0                        | 0                           | 0                          | 5                               | 0              | 0                   | 5                               |
| <i>Pica pica</i>                   | Magpie                  | 2              | 5                 | 1                        | 0                           | 4                          | 0                               | 0              | 0                   | 4                               |
| <i>Anthus pratensis</i>            | Meadow pipit            | 3              | 4                 | 1                        | 1                           | 0                          | 0                               | 2              | 0                   | 2                               |
| <i>Falco columbarius</i>           | Merlin                  | 1              | 1                 | 0                        | 0                           | 1                          | 0                               | 0              | 0                   | 1                               |
| <i>Haematopus ostralegus</i>       | Oystercatcher           | 4              | 9                 | 0                        | 5                           | 0                          | 4                               | 0              | 0                   | 3                               |
| <i>Tringa totanus</i>              | Redshank                | 1              | 2                 | 0                        | 0                           | 0                          | 2                               | 0              | 0                   | 2                               |
| <i>Phoenicurus phoenicurus</i>     | Redstart                | 2              | 2                 | 0                        | 2                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <b><i>Emberiza schoeniclus</i></b> | <b>Reed bunting</b>     | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>1</b>       | <b>0</b>            | <b>1</b>                        |
| <i>Anthus petrosus petrosus</i>    | Rock pipit              | 1              | 2                 | 0                        | 0                           | 2                          | 0                               | 0              | 0                   | 2                               |
| <i>Corvus frugilegus</i>           | Rook                    | 2              | 3                 | 1                        | 0                           | 2                          | 0                               | 0              | 0                   | 2                               |
| <i>Phalacrocorax aristotelis</i>   | Shag                    | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <b><i>Alauda arvensis</i></b>      | <b>Skylark</b>          | <b>6</b>       | <b>92</b>         | <b>3</b>                 | <b>45</b>                   | <b>31</b>                  | <b>0</b>                        | <b>13</b>      | <b>0</b>            | <b>44</b>                       |
| <i>Turdus philomelos</i>           | Song thrush             | 2              | 3                 | 0                        | 0                           | 3                          | 0                               | 0              | 0                   | 2                               |
| <i>Saxicola torquata</i>           | Stonechat               | 2              | 2                 | 0                        | 0                           | 1                          | 1                               | 0              | 0                   | 1                               |
| <i>Arenaria interpres</i>          | Turnstone               | 1              | 3                 | 0                        | 0                           | 0                          | 3                               | 0              | 0                   | 3                               |
| <i>Troglodytes troglodytes</i>     | Wren                    | 3              | 3                 | 0                        | 0                           | 1                          | 0                               | 1              | 1                   | 1                               |

Priority Species are listed in **bold**.

**Table 8.9: Wintering Bird Survey Data for Survey 8: 11<sup>th</sup> February 2019**

| Scientific Name                  | Common Name               | Times Observed | Total Number Seen | No. In Flight, Over Site | No. In Flight, Outside site | No Activity Noted, In Site | No Activity Noted, Outside Site | Other, In Site | Other, Outside Site | Peak Count (for a single flock) |
|----------------------------------|---------------------------|----------------|-------------------|--------------------------|-----------------------------|----------------------------|---------------------------------|----------------|---------------------|---------------------------------|
| <i>Auk species</i>               | Auk species               | 2              | 2                 | 0                        | 2                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Larus ridibundus</i>          | Black-headed gull         | 2              | 2                 | 0                        | 2                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Buteo buteo</i>               | Buzzard                   | 1              | 1                 | 0                        | 0                           | 0                          | 0                               | 0              | 1                   | 1                               |
| <i>Corvus corone corone</i>      | Carrion crow              | 9              | 27                | 2                        | 0                           | 14                         | 11                              | 0              | 0                   | 9                               |
| <b><i>Melanitta nigra</i></b>    | <b>Common scoter</b>      | <b>5</b>       | <b>21</b>         | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>21</b>                       | <b>0</b>       | <b>0</b>            | 10                              |
| <i>Phalacrocorax carbo</i>       | Cormorant                 | 7              | 82                | 0                        | 75                          | 0                          | 7                               | 0              | 0                   | 56                              |
| <b><i>Prunella modularis</i></b> | <b>Dunnock</b>            | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>1</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | 1                               |
| <i>Larus marinus</i>             | Great black-backed gull   | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Podiceps cristatus</i>        | Great crested grebe       | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Parus major</i>               | Great tit                 | 2              | 2                 | 0                        | 0                           | 0                          | 0                               | 2              | 0                   | 1                               |
| <i>Carduelis chloris</i>         | Greenfinch                | 1              | 1                 | 1                        | 0                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <b><i>Perdix perdix</i></b>      | <b>Grey partridge</b>     | <b>2</b>       | <b>2</b>          | <b>1</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>1</b>            | 1                               |
| <b><i>Larus argentatus</i></b>   | <b>Herring gull</b>       | <b>17</b>      | <b>92</b>         | <b>3</b>                 | <b>18</b>                   | <b>0</b>                   | <b>71</b>                       | <b>0</b>       | <b>0</b>            | 30                              |
| <i>Corvus monedula</i>           | Jackdaw                   | 2              | 3                 | 1                        | 2                           | 0                          | 0                               | 0              | 0                   | 2                               |
| <i>Falco tinnunculus</i>         | Kestrel                   | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Larus fuscus</i>              | Lesser black-backed gull  | 2              | 2                 | 0                        | 1                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Pica pica</i>                 | Magpie                    | 1              | 2                 | 0                        | 0                           | 0                          | 2                               | 0              | 0                   | 2                               |
| <i>Anthus pratensis</i>          | Meadow pipit              | 3              | 8                 | 1                        | 0                           | 6                          | 0                               | 1              | 0                   | 6                               |
| <i>Haematopus ostralegus</i>     | Oystercatcher             | 3              | 9                 | 0                        | 0                           | 0                          | 9                               | 0              | 0                   | 6                               |
| <i>Anser brachyrhynchus</i>      | Pink-footed goose         | 6              | 729               | 510                      | 219                         | 0                          | 0                               | 0              | 0                   | 210                             |
| <i>Alca torda</i>                | Razorbill                 | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <b><i>Gavia stellata</i></b>     | <b>Red-throated diver</b> | <b>4</b>       | <b>15</b>         | <b>0</b>                 | <b>2</b>                    | <b>0</b>                   | <b>13</b>                       | <b>0</b>       | <b>0</b>            | 10                              |
| <i>Anthus petrosus petrosus</i>  | Rock pipit                | 2              | 2                 | 0                        | 1                           | 0                          | 0                               | 1              | 0                   | 1                               |
| <b><i>Alauda arvensis</i></b>    | <b>Skylark</b>            | <b>6</b>       | <b>118</b>        | <b>0</b>                 | <b>3</b>                    | <b>0</b>                   | <b>0</b>                        | <b>112</b>     | <b>3</b>            | 70                              |
| <b><i>Turdus philomelos</i></b>  | <b>Song thrush</b>        | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>1</b>       | <b>0</b>            | 1                               |
| <i>Saxicola torquata</i>         | Stonechat                 | 2              | 2                 | 0                        | 0                           | 2                          | 0                               | 0              | 0                   | 1                               |
| <i>Troglodytes troglodytes</i>   | Wren                      | 1              | 1                 | 0                        | 0                           | 0                          | 0                               | 1              | 0                   | 1                               |

Priority Species are listed in **bold**.

**Table 8.10: Wintering Bird Survey Data for Survey 9: 24<sup>th</sup> February 2019**

| Scientific Name                  | Common Name              | Times Observed | Total Number Seen | No. In Flight, Over Site | No. In Flight, Outside site | No Activity Noted, In Site | No Activity Noted, Outside Site | Other, In Site | Other, Outside Site | Peak Count (for a single flock) |
|----------------------------------|--------------------------|----------------|-------------------|--------------------------|-----------------------------|----------------------------|---------------------------------|----------------|---------------------|---------------------------------|
| <i>Turdus merula</i>             | Blackbird                | 2              | 2                 | 0                        | 0                           | 0                          | 0                               | 1              | 1                   | 1                               |
| <i>Cyanistes caeruleus</i>       | Blue tit                 | 1              | 1                 | 0                        | 0                           | 0                          | 0                               | 0              | 1                   | 1                               |
| <i>Corvus corone corone</i>      | Carrion crow             | 3              | 4                 | 2                        | 0                           | 1                          | 0                               | 1              | 0                   | 2                               |
| <b><i>Prunella modularis</i></b> | <b>Dunnock</b>           | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>1</b>            | <b>1</b>                        |
| <i>Carduelis carduelis</i>       | Goldfinch                | 1              | 1                 | 0                        | 0                           | 0                          | 0                               | 0              | 1                   | 1                               |
| <b><i>Perdix perdix</i></b>      | <b>Grey partridge</b>    | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>1</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | <b>1</b>                        |
| <b><i>Larus argentatus</i></b>   | <b>Herring gull</b>      | <b>2</b>       | <b>2</b>          | <b>1</b>                 | <b>1</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | <b>1</b>                        |
| <i>Corvus monedula</i>           | Jackdaw                  | 1              | 1                 | 1                        | 0                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Larus fuscus</i>              | Lesser black-backed gull | 1              | 2                 | 2                        | 0                           | 0                          | 0                               | 0              | 0                   | 2                               |
| <i>Anthus pratensis</i>          | Meadow pipit             | 2              | 11                | 10                       | 0                           | 0                          | 0                               | 1              | 0                   | 10                              |
| <i>Motacilla alba</i>            | Pied wagtail             | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Erithacus rubecula</i>        | Robin                    | 2              | 2                 | 0                        | 0                           | 0                          | 0                               | 0              | 2                   | 1                               |
| <i>Anthus petrosus petrosus</i>  | Rock pipit               | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <b><i>Alauda arvensis</i></b>    | <b>Skylark</b>           | <b>4</b>       | <b>4</b>          | <b>0</b>                 | <b>1</b>                    | <b>0</b>                   | <b>0</b>                        | <b>3</b>       | <b>0</b>            | <b>1</b>                        |
| <b><i>Turdus philomelos</i></b>  | <b>Song thrush</b>       | <b>3</b>       | <b>3</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>3</b>            | <b>1</b>                        |
| <i>Troglodytes troglodytes</i>   | Wren                     | 4              | 4                 | 0                        | 0                           | 0                          | 0                               | 1              | 3                   | 1                               |

Priority Species are listed in **bold**.

**Table 8.11: Wintering Bird Survey Data for Survey 10: 27<sup>th</sup> February 2019**

| Scientific Name                    | Common Name               | Times Observed | Total Number Seen | No. In Flight, Over Site | No. In Flight, Outside site | No Activity Noted, In Site | No Activity Noted, Outside Site | Other, In Site | Other, Outside Site | Peak Count (for a single flock) |
|------------------------------------|---------------------------|----------------|-------------------|--------------------------|-----------------------------|----------------------------|---------------------------------|----------------|---------------------|---------------------------------|
| <i>Auk species</i>                 | Auk species               | 3              | 4                 | 0                        | 2                           | 0                          | 2                               | 0              | 0                   | 2                               |
| <i>Turdus merula</i>               | Blackbird                 | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Larus ridibundus</i>            | Black-headed gull         | 2              | 6                 | 0                        | 6                           | 0                          | 0                               | 0              | 0                   | 5                               |
| <i>Cyanistes caeruleus</i>         | Blue tit                  | 1              | 1                 | 0                        | 0                           | 0                          | 0                               | 1              | 0                   | 1                               |
| <i>Corvus corone corone</i>        | Carrion crow              | 12             | 24                | 6                        | 0                           | 12                         | 5                               | 1              | 0                   | 8                               |
| <i>Fringilla coelebs</i>           | Chaffinch                 | 3              | 3                 | 2                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <b><i>Melanitta nigra</i></b>      | <b>Common scoter</b>      | <b>3</b>       | <b>6</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>5</b>                        | <b>0</b>       | <b>0</b>            | <b>4</b>                        |
| <i>Phalacrocorax carbo</i>         | Cormorant                 | 7              | 23                | 0                        | 3                           | 0                          | 20                              | 0              | 0                   | 9                               |
| <b><i>Prunella modularis</i></b>   | <b>Dunnock</b>            | <b>2</b>       | <b>2</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>2</b>            | <b>1</b>                        |
| <i>Fulmarus glacialis</i>          | Fulmar                    | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Regulus regulus</i>             | Goldcrest                 | 2              | 2                 | 0                        | 0                           | 0                          | 0                               | 0              | 2                   | 1                               |
| <i>Carduelis carduelis</i>         | Goldfinch                 | 6              | 15                | 2                        | 12                          | 0                          | 0                               | 0              | 1                   | 6                               |
| <i>Mergus merganser</i>            | Goosander                 | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Podiceps cristatus</i>          | Great crested grebe       | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Ardea cinerea</i>               | Grey heron                | 1              | 1                 | 1                        | 0                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <b><i>Perdix perdix</i></b>        | <b>Grey partridge</b>     | <b>1</b>       | <b>2</b>          | <b>0</b>                 | <b>2</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | <b>2</b>                        |
| <i>Uria aalge</i>                  | Guillemot                 | 2              | 2                 | 0                        | 0                           | 0                          | 2                               | 0              | 0                   | 1                               |
| <b><i>Larus argentatus</i></b>     | <b>Herring gull</b>       | <b>20</b>      | <b>138</b>        | <b>4</b>                 | <b>27</b>                   | <b>0</b>                   | <b>107</b>                      | <b>0</b>       | <b>0</b>            | <b>43</b>                       |
| <i>Corvus monedula</i>             | Jackdaw                   | 4              | 20                | 0                        | 3                           | 0                          | 17                              | 0              | 0                   | 15                              |
| <i>Falco tinnunculus</i>           | Kestrel                   | 2              | 2                 | 0                        | 1                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Larus fuscus</i>                | Lesser black-backed gull  | 1              | 2                 | 0                        | 0                           | 0                          | 2                               | 0              | 0                   | 2                               |
| <b><i>Carduelis cannabina</i></b>  | <b>Linnet</b>             | <b>3</b>       | <b>7</b>          | <b>0</b>                 | <b>1</b>                    | <b>0</b>                   | <b>4</b>                        | <b>0</b>       | <b>2</b>            | <b>4</b>                        |
| <i>Pica pica</i>                   | Magpie                    | 3              | 4                 | 0                        | 3                           | 0                          | 0                               | 0              | 1                   | 2                               |
| <i>Anthus pratensis</i>            | Meadow pipit              | 8              | 32                | 17                       | 9                           | 0                          | 0                               | 0              | 6                   | 15                              |
| <i>Haematopus ostralegus</i>       | Oystercatcher             | 7              | 8                 | 0                        | 3                           | 0                          | 5                               | 0              | 0                   | 2                               |
| <i>Falco peregrinus</i>            | Peregrine                 | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Motacilla alba</i>              | Pied wagtail              | 1              | 1                 | 1                        | 0                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <b><i>Gavia stellata</i></b>       | <b>Red-throated diver</b> | <b>3</b>       | <b>3</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>3</b>                        | <b>0</b>       | <b>0</b>            | <b>1</b>                        |
| <b><i>Emberiza schoeniclus</i></b> | <b>Reed bunting</b>       | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>0</b>                        | <b>1</b>       | <b>0</b>            | <b>1</b>                        |
| <i>Anthus petrosus petrosus</i>    | Rock pipit                | 1              | 2                 | 0                        | 2                           | 0                          | 0                               | 0              | 0                   | 2                               |
| <i>Carduelis spinus</i>            | Siskin                    | 2              | 10                | 0                        | 10                          | 0                          | 0                               | 0              | 0                   | 8                               |
| <b><i>Alauda arvensis</i></b>      | <b>Skylark</b>            | <b>8</b>       | <b>27</b>         | <b>1</b>                 | <b>1</b>                    | <b>0</b>                   | <b>0</b>                        | <b>4</b>       | <b>21</b>           | <b>20</b>                       |
| <i>Turdus philomelos</i>           | Song thrush               | 1              | 1                 | 0                        | 0                           | 0                          | 0                               | 0              | 1                   | 1                               |
| <i>Sturnus vulgaris</i>            | Starling                  | 1              | 1                 | 1                        | 0                           | 0                          | 0                               | 0              | 0                   | 1                               |

|  |              |   |    |    |   |   |   |   |   |    |
|--|--------------|---|----|----|---|---|---|---|---|----|
| <i>Saxicola torquata</i>                     | Stonechat    | 2 | 3  | 0  | 0 | 0 | 2 | 0 | 1 | 2  |
| <i>Cygnus cygnus</i>                         | Whooper swan | 1 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 15 |
| <i>Columba palumbus</i>                      | Wood pigeon  | 4 | 5  | 2  | 0 | 0 | 3 | 0 | 0 | 2  |
| <i>Troglodytes troglodytes</i>               | Wren         | 2 | 2  | 0  | 0 | 0 | 0 | 0 | 2 | 1  |
| Priority Species are listed in <b>bold</b> . |              |   |    |    |   |   |   |   |   |    |

**Table 8.12: Wintering Bird Survey Data for Survey 11: 28<sup>th</sup> March 2019**

| Scientific Name                    | Common Name               | Times Observed | Total Number Seen | No. In Flight, Over Site | No. In Flight, Outside site | No Activity Noted, In Site | No Activity Noted, Outside Site | Other, In Site | Other, Outside Site | Peak Count (for a single flock) |
|------------------------------------|---------------------------|----------------|-------------------|--------------------------|-----------------------------|----------------------------|---------------------------------|----------------|---------------------|---------------------------------|
| <i>Turdus merula</i>               | Blackbird                 | 1              | 2                 | 0                        | 0                           | 0                          | 2                               | 0              | 0                   | 2                               |
| <i>Corvus corone corone</i>        | Carrion crow              | 16             | 37                | 4                        | 13                          | 17                         | 2                               | 0              | 1                   | 7                               |
| <i>Fringilla coelebs</i>           | Chaffinch                 | 4              | 5                 | 0                        | 3                           | 0                          | 0                               | 0              | 2                   | 2                               |
| <b><i>Melanitta nigra</i></b>      | <b>Common scoter</b>      | <b>8</b>       | <b>47</b>         | <b>0</b>                 | <b>5</b>                    | <b>0</b>                   | <b>42</b>                       | <b>0</b>       | <b>0</b>            | 15                              |
| <i>Phalacrocorax carbo</i>         | Cormorant                 | 12             | 28                | 0                        | 5                           | 0                          | 23                              | 0              | 0                   | 9                               |
| <b><i>Prunella modularis</i></b>   | <b>Dunnock</b>            | <b>4</b>       | <b>5</b>          | <b>0</b>                 | <b>0</b>                    | <b>0</b>                   | <b>2</b>                        | <b>1</b>       | <b>2</b>            | 2                               |
| <i>Morus bassanus</i>              | Gannet                    | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Regulus regulus</i>             | Goldcrest                 | 1              | 4                 | 0                        | 0                           | 0                          | 0                               | 0              | 4                   | 4                               |
| <i>Carduelis carduelis</i>         | Goldfinch                 | 5              | 25                | 3                        | 21                          | 0                          | 0                               | 0              | 1                   | 15                              |
| <i>Larus marinus</i>               | Great black-backed gull   | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Podiceps cristatus</i>          | Great crested grebe       | 2              | 2                 | 0                        | 0                           | 0                          | 2                               | 0              | 0                   | 1                               |
| <b><i>Perdix perdix</i></b>        | <b>Grey partridge</b>     | <b>1</b>       | <b>2</b>          | <b>0</b>                 | <b>0</b>                    | <b>2</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | 2                               |
| <b><i>Larus argentatus</i></b>     | <b>Herring gull</b>       | <b>15</b>      | <b>99</b>         | <b>0</b>                 | <b>38</b>                   | <b>29</b>                  | <b>32</b>                       | <b>0</b>       | <b>0</b>            | 29                              |
| <i>Corvus monedula</i>             | Jackdaw                   | 2              | 5                 | 1                        | 4                           | 0                          | 0                               | 0              | 0                   | 4                               |
| <i>Falco tinnunculus</i>           | Kestrel                   | 2              | 2                 | 0                        | 1                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Larus fuscus</i>                | Lesser black-backed gull  | 3              | 4                 | 0                        | 1                           | 0                          | 3                               | 0              | 0                   | 2                               |
| <b><i>Carduelis cannabina</i></b>  | <b>Linnet</b>             | <b>7</b>       | <b>23</b>         | <b>1</b>                 | <b>22</b>                   | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | 10                              |
| <i>Pica pica</i>                   | Magpie                    | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Anthus pratensis</i>            | Meadow pipit              | 12             | 14                | 2                        | 3                           | 0                          | 2                               | 4              | 3                   | 2                               |
| <i>Haematopus ostralegus</i>       | Oystercatcher             | 3              | 6                 | 0                        | 1                           | 0                          | 5                               | 0              | 0                   | 4                               |
| <i>Motacilla alba</i>              | Pied wagtail              | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Anser brachyrhynchus</i>        | Pink-footed goose         | 1              | 51                | 51                       | 0                           | 0                          | 0                               | 0              | 0                   | 51                              |
| <b><i>Gavia stellata</i></b>       | <b>Red-throated diver</b> | <b>1</b>       | <b>4</b>          | <b>0</b>                 | <b>4</b>                    | <b>0</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | 4                               |
| <b><i>Emberiza schoeniclus</i></b> | <b>Reed bunting</b>       | <b>1</b>       | <b>1</b>          | <b>0</b>                 | <b>0</b>                    | <b>1</b>                   | <b>0</b>                        | <b>0</b>       | <b>0</b>            | 1                               |
| <i>Erithacus rubecula</i>          | Robin                     | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Anthus petrosus petrosus</i>    | Rock pipit                | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <i>Carduelis spinus</i>            | Siskin                    | 1              | 1                 | 0                        | 1                           | 0                          | 0                               | 0              | 0                   | 1                               |
| <b><i>Alauda arvensis</i></b>      | <b>Skylark</b>            | <b>5</b>       | <b>6</b>          | <b>0</b>                 | <b>0</b>                    | <b>2</b>                   | <b>0</b>                        | <b>3</b>       | <b>1</b>            | 2                               |
| <i>Saxicola torquata</i>           | Stonechat                 | 2              | 2                 | 0                        | 0                           | 1                          | 1                               | 0              | 0                   | 1                               |
| <i>Oenanthe oenanthe</i>           | Wheatear                  | 1              | 1                 | 0                        | 0                           | 0                          | 1                               | 0              | 0                   | 1                               |
| <i>Cygnus cygnus</i>               | Whooper swan              | 2              | 270               | 0                        | 270                         | 0                          | 0                               | 0              | 0                   | 180                             |
| <i>Troglodytes troglodytes</i>     | Wren                      | 1              | 1                 | 0                        | 0                           | 0                          | 0                               | 0              | 1                   | 1                               |

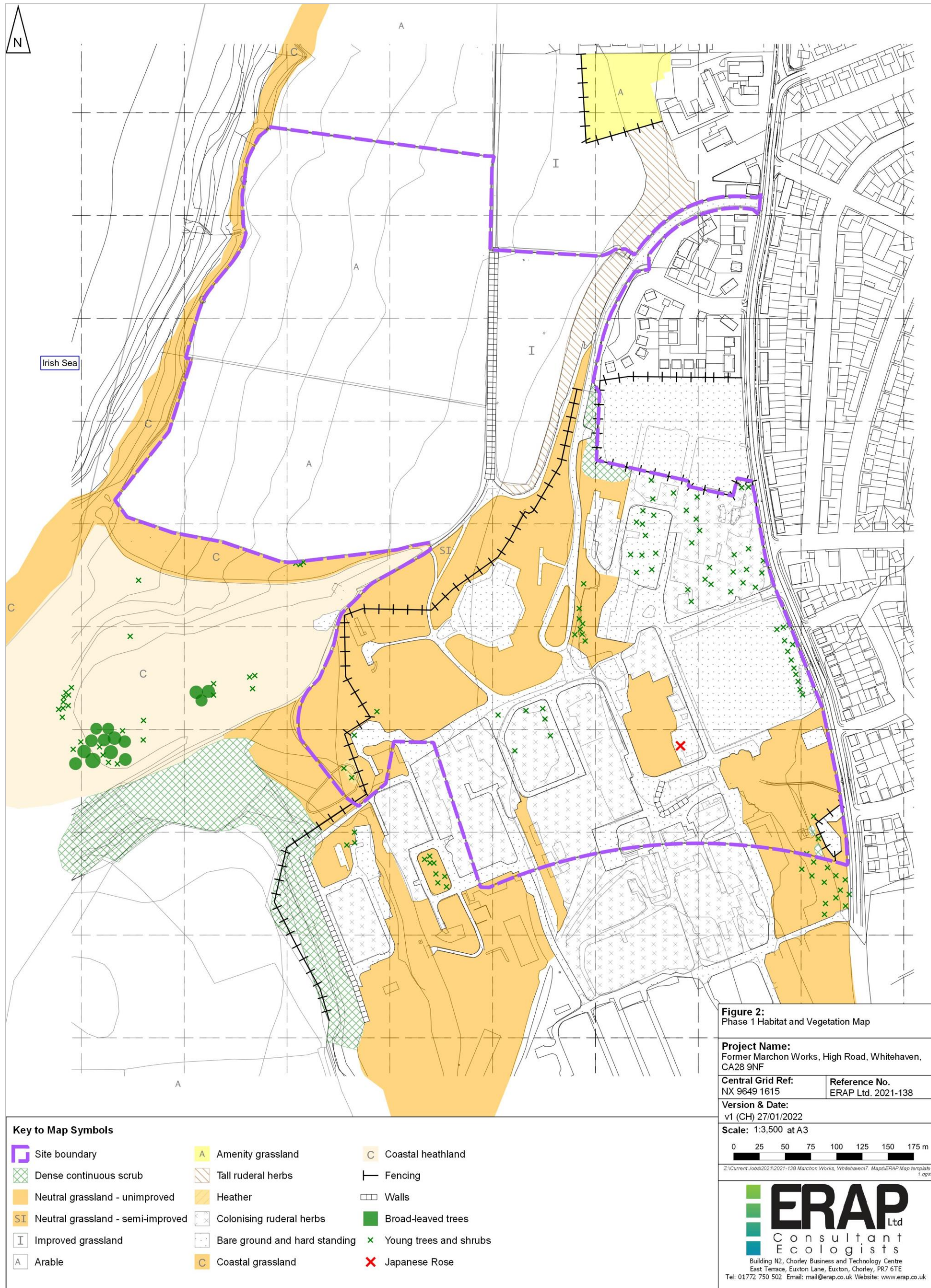
Species listed in **bold** are Priority Species.



## 9.0 APPENDIX 3: FIGURES











| Code | Common Name             |
|------|-------------------------|
| B.   | Blackbird               |
| BT   | Blue tit                |
| BZ   | Buzzard                 |
| C.   | Carriion crow           |
| CA   | Cormorant               |
| CH   | Chaffinch               |
| CU   | Curlew                  |
| CX   | Common scoter           |
| D.   | Dunnoek                 |
| GB   | Great black-backed gull |
| GO   | Goldfinch               |
| GU   | Guillemot               |
| HG   | Herring gull            |
| JD   | Jackdaw                 |
| K.   | Kestrel                 |
| LI   | Linnet                  |
| MG   | Maggpie                 |
| MP   | Meadow pipit            |
| OC   | Oystercatcher           |
| P.   | Grey partridge          |
| PT   | Pintail                 |
| R.   | Robin                   |
| RB   | Reed bunting            |
| RC   | Rock pipit              |
| RH   | Red-throated diver      |
| RO   | Rook                    |
| S.   | Skyllark                |
| SA   | Shag                    |
| SC   | Stonechat               |
| SG   | Starling                |
| SK   | Siskin                  |
| WP   | Wood pigeon             |
| WR   | Wren                    |

Source Image: ESRI World Imagery

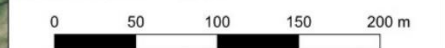
**Figure 3:**  
Plan to Show Results of First 2018 Wintering Bird  
Survey (WBS) 29.10.2018

**Project Name:**  
Former Marchon Works, High Road, Whitehaven,  
CA28 9NF

|  |  |
|--|--|
| <b>Central Grid Ref:</b><br>NX 9649 1615 | <b>Reference No.</b><br>ERAP Ltd. 2021-138 |
|--|--|

|                 |                    |
|-----------------|--------------------|
| Version & Date: | v1 (CH) 25/09/2023 |
|-----------------|--------------------|

Scale: 1:4,500 at A3



Z:\Current Jobs\2021\2021-138 Marchon Works, Whitehaven\7. Maps\ERAP Map template 1.qxd

























