



# Meridian Solar Farm

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Volume 6

Environmental Statement

6.3 ES Appendix 9-5:  
Wintering Bird Survey  
Report 2023-2024

APFP Regulation 5(2)(a)

Infrastructure Planning (Applications:  
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March 2026

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# Abbreviations and Acronyms

The following abbreviations and acronyms are used throughout this report.

| Term  | Definition   |
|-------|--|
| BAP   | Biodiversity Action Plan                                 |
| BBS   | Breeding Bird Survey                                     |
| BoCC  | Birds of Conservation Concern                            |
| BTO   | British Trust for Ornithology                            |
| CBC   | Common Bird Census                                       |
| CIEEM | Chartered Institute Ecology and Environmental Management |
| CWS   | County Wildlife Site                                     |
| DCO   | Development Consent Order                                |
| EIA   | Environmental Impact Assessment                          |
| EMS   | European Marine Sites                                    |
| HRA   | Habitat Regulations Assessment                           |
| IIWS  | Internationally Important Wildlife Site                  |
| JNCC  | Joint Nature Conservation Committee                      |
| LNR   | Local Nature Reserve                                     |
| LNRS  | Local Nature Recovery Strategies                         |
| LWS   | Local Wildlife Site                                      |
| NNR   | National Nature Reserve                                  |
| NPPF  | National Planning Policy Framework                       |
| NPS   | National Policy Statement                                |
| NSIP  | Nationally Significant Infrastructure Project            |
| SAC   | Special Area of Conservation                             |
| SINC  | Sites of Importance for Nature Conservation              |
| SPA   | Special Protection Area                                  |
| SPI   | Species of Principal Importance                          |
| SSSI  | Site of Special Scientific Interest                      |
| WeBS  | Wetland Bird Survey                                      |
| WBS   | Winter Bird Survey                                       |
| WBBS  | Waterways Breeding Bird Surveys                          |

# Executive Summary

Temple was commissioned by Meridian Solar Farm Limited in September 2023 to carry out a suite of wintering bird surveys at Meridian Solar Farm, Lincolnshire to provide baseline ecological data.

The aim of the wintering bird surveys was to provide robust data on the assemblage of wintering birds to inform the evolving design for the development and to be incorporated into the Environmental Impact Assessment (EIA), to be submitted with the DCO application. This report provides the baseline data only and an impact assessment has not been carried out.

Suitable habitats were surveyed on six occasions along five transects between October 2023 and March 2024 to determine the wintering bird assemblage associated with the PV Area and adjacent fields. The main findings were as follows:

- A total of 83 species were recorded during the surveys, including four Internationally Important Wildlife Site (IIWS) qualifying species; 14 species listed on the Birds of Conservation Concern (BoCC) Red-list, 31 species listed on BoCC Amber-list and 11 Species of Principal Importance (SPI). Twelve Lincolnshire Biodiversity Action Plan (BAP) species were also recorded, including species considered locally rare or scarce.
- The PV Area does not support greater than 10% of the county population of any species and as such does not qualify as being of County importance. Similarly, the PV Area does not qualify for selection as a Local Wildlife Site (LWS) when compared against the criteria published by the County Wildlife Sites (CWS) Partnership (2013).

The highest concentrations of birds were located on the flooded fields to the east of the River Welland; and also along the watercourse to the east of the Site.

- Using the nature conservation evaluation for notable bird species assemblages (CIEEM, 2018), the wintering bird assemblage recorded within the Study Area during surveys is considered to be **of local importance**.

Consideration needs to be given to the layout of the Scheme in relation to the patterns of use of the Site by wintering birds.

# 1 Introduction

## BACKGROUND

- 1.1 Temple was commissioned by Meridian Solar Farm Limited in September 2023 to carry out a suite of wintering bird surveys on land near Spalding, Lincolnshire (referred to as the 'PV Area'), to provide baseline ecological data.
- 1.2 The surveys covered land within a target survey area (referred to as the 'Study Area') to include the anticipated development area, as shown in Appendix 1, Figure A1.1, and adjacent land. The area surveyed excludes the Grid Connection and Inter-Array Areas.
- 1.3 This report updates the initial 2022-23 Wintering Bird Report (Temple 2023a), conducted from Public Rights of Way only. The survey was updated to provide more detailed baseline data to inform the design evolution of the Scheme within the PV Area. Scope of the report
- 1.4 This report details the methods and findings of the wintering bird surveys undertaken by Temple between October 2023 and March 2024. The aim of the surveys was to identify and categorise the wintering bird assemblage within the Study Area and to map the distributions of 'notable bird populations', defined as:
  - Qualifying species of relevant Internationally Important Wildlife Sites (IIWS) and other statutory and non-statutory nature conservation designations;
  - Species of Principal Importance (SPI);
  - Species listed on the Lincolnshire Biodiversity Action Plan (BAP) (Lincolnshire Biodiversity Partnership, 2011); and
  - Wintering Birds of Conservation Concern (BoCC), Red-listed and Amber-listed.
- 1.5 This report has been prepared with reference to best practice guidance published by the Chartered Institute for Ecology and Environmental Management (CIEEM, 2017 and 2018) and as detailed in British Standard 42020:2013 Biodiversity – Code of Practice for Biodiversity and Development (BSI, 2013).

## PV AREA CONTEXT AND STATUS

- 1.6 The PV Area is located within an area of land approximately 1,100ha in size, centred on Ordnance Survey National Grid reference TF 30070 13907, approximately 12km west of Wisbech and 11km south of Holbeach (see Appendix 1, Figure A1.1). This includes the PV Area but excludes the Grid Connection and the Inter-Array Areas. Vantage Point surveys undertaken to cover the Grid Connection Corridor potential routing area are covered in a separate report (Temple, 2024).
- 1.7 The Study Area comprised arable farmland, ditches and isolated pockets of plantation woodland, hedgerows (totalling 2.5km) and small parcels of scrub. Landscape features within the wider landscape consist of steep man-made agricultural drainage ditches typically bordering arable field boundaries with isolated pockets of plantation. The River Welland is located to the western boundary and the A16 intersects the PV Area.

## SCHEME DESCRIPTION

- 1.8 The Scheme would comprise the construction, operation (including maintenance) and decommissioning of a solar PV electricity generating facility with associated infrastructure including co-located Battery Energy Storage System (BESS) within a PV Area (Appendix 1, Figure 1). An Inter-Array Connection would link the separate parcels that form the PV Area. A Grid Connection from the PV Area would run approximately 13km north towards a point of connection (PoC) to the proposed Weston Marsh B National Grid substation to the north of Weston.

## RELEVANT LEGISLATION AND PLANNING POLICY

- 1.9 The following key pieces of nature conservation legislation are relevant to this assessment. A more detailed description of legislation is provided in Appendix 4:
- The Conservation of Habitats and Species Regulations 2017 (as amended);
  - Wildlife and Countryside Act 1981 (as amended);
  - Natural Environment and Rural Communities Act 2006; and
  - The Environment Act (2021).

- 1.10 National Planning Policy Framework (NPPF) (Department for Levelling Up, Housing and Communities, 2023) requires local authorities to avoid and minimise impacts on biodiversity and should provide net gains in biodiversity when taking planning decisions.
- 1.11 The Overarching National Policy Statement (NPS) for Energy (EN-1), National Policy Statement for Renewable Energy Infrastructure (EN-3) and National Policy Statement for Electricity Networks Infrastructure (EN-5) set out the Government’s energy policy, the need for new infrastructure and guidance for determining an application for a DCO. The NPSs include specific criteria and issues which should be covered by applicants’ assessments of the effects of their scheme, and how the decision maker should consider these impacts. For example, NPS (EN-3), paragraph 2.4.2, which underlines the importance of good design for energy infrastructure in design of the project to mitigate impacts such as noise and effects on ecology.
- 1.12 Other planning policies at the local level which are of relevance to the Scheme include the South East Lincolnshire Local Plan (2019) and the Lincolnshire BAP.

## 2 Methodology

### DESKTOP STUDY

- 2.1 A search was made on MAGIC (MAGIC, 2024) for IIWS, including Special Areas of Conservation (SAC), Special Protection Areas (SPA) and Ramsar sites relevant to birds within 15km of the PV Area. In line with professional judgment, a 15km buffer was chosen given the scale and nature of the works and potential impact pathways for qualifying species of the IIWS. A search of up to 2km was made for other statutory and non-statutory designated sites including Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR) and Local Nature Reserves (LNR). Information obtained from the previous Wintering Bird Survey was also used to inform the selection of the transects.
- 2.2 Ornithological data for a 15km buffer was obtained from the Greater Lincolnshire Nature Partnership, the local Biological Records Centre. This buffer was chosen given the nature of the Scheme and proximity to IIWS.

### FIELD SURVEY

- 2.3 The Wintering Bird Surveys were undertaken by a team of surveyors, all proficient in bird identification, survey techniques and the assessment of wintering bird populations (see Table 2.1 below).

**Table 2.1: Ornithological Surveyors**

| Name | Qualification  | CIEEM          | Ornithological Experience |
|------|----------------|----------------|---------------------------|
| TD   | MSc/BSc (Hons) | Pending MCIEEM | 18 years                  |
| LV   | BSc (Hons)     | MCIEEM         | 15 years                  |
| AS   | HND            | Pending ACIEEM | 15 Years                  |

| Name | Qualification  | CIEEM          | Ornithological Experience |
|------|----------------|----------------|---------------------------|
| JW   | MSc/BSc (Hons) | Pending ACIEEM | 10 years                  |
| KJ   | BSc (Hons)     | MCIEEM         | 12 years                  |
| BS   | MSc/BSc (Hons) | Pending ACIEEM | 10 years                  |
| BH   | BSc (Hons)     | MCIEEM         | 8 years                   |

- 2.4 This assessment and report was compiled by a Principal Ecologist and full member of CIEEM, with over 40 years ornithological experience in field survey, assessment and reporting.
- 2.5 Surveys were carried out using five pre-defined transects (as shown on Appendix 1, Figure A1.2). The transects were designed to cover land up to 100m of the PV Area as far as reasonably practical, covering key habitat features. Given the open character of the landscape and to minimise the risk of disturbance, 100m is judged to be appropriate in this case based on professional experience. The transect routes were similar areas to those in the 2022/23 but were amended based on additionally available land access.
- 2.6 Six survey visits were carried out once a month between October 2023 and March 2024 in line with current best practice (Bird Survey Guidelines, 2023) on all but WT13, which was added to the PV Area in November to take account of additional access; five surveys were carried out on WT13. During each of the visits, the transect routes were walked slowly and methodically. The direction and start point of the transects was alternated to minimise temporal bias. All birds seen within or adjacent to the Study Area were recorded using the standard British Trust for Ornithology (BTO) species codes. Stopping points were also incorporated on an *ad hoc* basis to record flocking species such as winter thrushes, starlings, waterfowl and waders, and to avoid double counting.

2.7 The surveyors used 8x or 10x magnification binoculars and a 20-60x magnification zoom telescope to assist with bird identification, and scaled field maps to record the registrations/numbers of each bird species observed. Details of the weather, as well as constraints and details of any disturbance were all recorded for each survey.

### Survey Details

2.8 The times, dates and weather conditions of all survey visits are detailed in Table 2.2 below.

**Table 2.2: WBS dates, times and weather conditions**

| Transect                      | Date        | Start Time | Temp | Cloud Cover (oktas) | Max Wind (Beaufort Scale) | Rain          | Comment                    |
|-------------------------------|-------------|------------|------|---------------------|---------------------------|---------------|----------------------------|
| WT7 – land parcels B-1 & B-3. | 17/10 /2023 | 07:30      | 14°C | 3/8                 | 2/12                      | None          | Good visibility            |
|                               | 14/11 /2023 | 07:30      | 11°C | 8/8                 | 6/12                      | None          | Fair, overcast             |
|                               | 06/12 /2023 | 08:00      | 0°C  | 1/8                 | 1/12                      | None          | Bright, cold               |
|                               | 09/01 /2024 | 08.00      | 4°C  | 1/8                 | 3/12                      | None          |                            |
|                               | 06/02 /2024 | 13:00      | 12°C | 8/8                 | 5/12                      | None          | Good visibility, windy     |
|                               | 05/03 /2024 | 06:00      | 9°C  | 8/8                 | 2/12                      | None          |                            |
| WT8 – land parcels B-1 & B-2  | 18/10 /2023 | 07:30      | 14°C | 8/8                 | 4/12                      | Light drizzle | Fair and intermittent rain |
|                               | 15/11 /2023 | 07:15      | 8°C  | 0/8                 | 4/12                      | None          |                            |

| Transect                                   | Date        | Start Time | Temp  | Cloud Cover (oktas) | Max Wind (Beaufort Scale) | Rain          | Comment                         |
|--|-------------|------------|-------|---------------------|---------------------------|---------------|---------------------------------|
|  | 07/12 /2023 | 07:50      | 6°C   | 8/8                 | 7/12                      | Light rain    | Strong gusts with clearing rain |
|  | 10/01 /2024 | 08:00      | - 5°C | 1/8                 | 2/12                      | None          | Bright with a light breeze      |
|  | 07/02 /2024 | 09:00      | 4°C   | 8/8                 | 1/12                      | None          | Cloudy, good visibility         |
|  | 06/03 /2024 | 07.30      | 5°C   | 7/8                 | 1/12                      | None          | Low cloudy with hazy mist       |
| WT9 – land parcels C-1 & C-2               | 31/10 /2023 | 10:30      | 9°C   | 6/8                 | 4/12                      | None          |                                 |
|  | 16/11 /2023 | 07:30      | 8°C   | 8/8                 | 1/12                      | None          | Overcast with low cloud         |
|  | 08/12 /2023 | 08:05      | 5°C   | 1/8                 | 3/12                      | None          | Bright and breezy               |
|  | 11/01 /2024 | 08.00      | 3°C   | 8/8                 | 3/12                      | None          |                                 |
|  | 07/02 /2024 | 09:00      | 4°C   | 8/8                 | 1/12                      | None          | Good visibility                 |
|  | 07/03 /2024 | 07.30      | 5°C   | 8/8                 | 2/12                      | None          | Low cloud, hazy                 |
| WT10 – land parcels D-1, D-2, D-3, D-4, D- | 27/10 /2023 | 09:00      | 10°C  | 8/8                 | 2/12                      | Light drizzle | Cloud lifting and clearing      |
|  | 15/11 /2023 | 07:30      | 11°C  | 5/8                 | 4/12                      | None          | Good visibility                 |

| Transect         | Date        | Start Time | Temp | Cloud Cover (oktas) | Max Wind (Beaufort Scale) | Rain          | Comment  |
|------------------|-------------|------------|------|---------------------|---------------------------|---------------|--|
| 5, D-6 and D-7 I | 06/12 /2023 | 08:00      | 1°C  | 1/8                 | 2/12                      | None          | Clear, cold with very good visibility            |
|                  | 09/01 /2024 | 08:25      | 1°C  | 0/8                 | 3/12                      | None          | Cold   |
|                  | 07/02 /2024 | 08:04      | 2°C  | 1/8                 | 2/12                      | None          | Clear, bright, calm. Clouding over during survey |
|                  | 19/03 /2024 | 07:00      | 10°C | 3/8                 | 4/12                      | None          | Bright and breezy                                |
| WT13             | 14/11 /2023 | 07:45      | 7°C  | 7/8                 | 4/12                      | None          |  |
|                  | 08/12 /2023 | 08:30      | 6°C  | 1/8                 | 3/12                      | None          | Very good visibility                             |
|                  | 10/01 /2024 | 08:00      | 0°C  | 0/8                 | 2/12                      | None          | Very good visibility                             |
|                  | 08/02 /2024 | 08:00      | 3°C  | 8/8                 | 6/12                      | Heavy Rain    | Persistent rain turning to sleet, gusty winds    |
|                  | 21/03 /2024 | 06:55      | 8°C  | 8/8                 | 4/12                      | Light drizzle | Light rain, cool                                 |

2.9 Upon completion of the surveys, information obtained from each visit was transferred to a separate map and digitised using ArcGIS software.

## NATURE CONSERVATION EVALUATION RELATING TO BIRDS

### Assessment criteria

- 2.10 In line with CIEEM (2018), the overall evaluation of the wintering bird assemblage recorded within the PV Area was assessed against criteria for international, national, county, local, site and negligible nature conservation importance (see Table 2.3).
- 2.11 Criteria for the Birds of Conservation Concern (BoCC) (Stanbury *et al.*, 2021), which identifies the Red-list and Amber-list species is provided in Appendix 3.

**Table 2.3:** Nature Conservation Evaluation of sites for birds

| Nature conservation importance | Definition  |
|--------------------------------|---|
| International                  | <p>Site meets SPA qualifying population criteria:</p> <p>Site used regularly<sup>1</sup> by 1% of the national population of an Annex 1 species of the EC Birds Directive<sup>2</sup>;</p> <p>Site used regularly by 1% of the biogeographical (international) population of a regularly occurring migratory species (other than those listed in Annex I of the EC Birds Directive) in any season;</p> <p>Site used regularly by over 20,000 waterfowl or 20,000 sea birds in any season.</p> <p>The regular occurrence of a globally rare species (International Union for Conservation of Nature)</p> |
| National                       | <p>Site used regularly by 1% of the national population (taken from Baker <i>et al.</i>, 2006 and Musgrove <i>et al.</i>, 2011) of a species (not listed in Annex 1 of the Birds Directive)</p> <p>The site meets SSSI or NNR designation criteria for birds (Joint Nature Conservation Committee JNCC).</p>  |
| County                         | <p>Site used regularly by 1% of the county population of a species or</p> <p>Site meets County Wildlife Site or Sites for Important Nature Conservation SINC criteria for birds in Lincolnshire.</p>  |

<sup>1</sup> Regularly is taken to mean that the site is used during a life stage of a bird population, such as breeding or migration, where (i) the mean of the maxima of that population over five years for the seasons in which the site is used meets the qualifying criteria or (ii) the requisite number of birds is known to have occurred in two thirds of the seasons for which adequate data area available (the total number of seasons being not less than three).

<sup>2</sup> The Birds Directive (2009/147/EC) provides a framework for the conservation and management of, and human interactions with, wild birds in Europe

| Nature conservation importance | Definition   |
|--------------------------------|--|
| Local                          | <p>Site used regularly by a species whose status is scarce within the county<sup>3</sup>.</p> <p>Site supports a population of a species, or a species assemblage of birds, notable for their protected or conservation concern status (Schedule 1 of Wildlife and Countryside Act (WCA) 1981 (as amended) for breeding species, Annex 1 of EC Birds Directive, SPI as listed in Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006, Local BAP, Red-list BoCC (Stanbury <i>et al.</i>, 2021).</p> |
| Site                           | Site used regularly by an assemblage of birds, or large numbers of an individual species whose status is common within the county <sup>4</sup> .   |
| Negligible                     | Site supports no notable species or assemblages of birds.  |

## NOMENCLATURE

2.12 Common names only are used throughout the text of this report, with scientific names for all species included in Appendix 5. The naming convention follows the Natural History Museum Species Dictionary (2024).

## LIMITATIONS AND SURVEY CONSTRAINTS

2.13 The desk study for this report has been restricted to publicly available data due to sensitivity regarding communicating details of the Scheme to biological recorders or other third parties at the early stages of detailed design. A more detailed review of data sources will be carried out as part of wider environmental assessment of the Scheme and included within the Ecological Impact Assessment to be submitted as part of the DCO application.

2.14 Every effort has been made to provide robust and comprehensive data on the wintering bird assemblages within the PV Area. However, the following limitations apply:

<sup>3</sup> Scarce as defined by the relevant county ornithological society/county bird recorder

<sup>4</sup> Common as defined by the relevant county ornithological society/county bird recorder

- Individual birds and different bird species vary in their behaviour and detectability, and it is unlikely that registrations were detected for all birds during each survey visit. With professional judgement, it is considered that the wintering bird assemblage was recorded over the course of the surveys and the data collected are considered sufficiently robust for evaluating the wintering bird assemblage present within the PV Area.
- On one survey (WT13 on 8 February), wind gusts were above what would normally be acceptable for the surveys. However, given that the gusts were in short durations and not for the full duration of the surveys, this is not considered to be a limitation as the observations showed no change in the level of activity or presence.
- Access for WT13 was not possible until November. However, due to the survey covering the main wintering periods, this is not considered to be a material limitation to the baseline or assessment.
- Due to inclement weather conditions on the morning of the 6 February 2024, the survey on WT7 commenced in the afternoon. As wintering bird surveys can take place at any time during the day, this is not considered to be a limitation.

## 3 Results

### DESKTOP STUDY

#### Statutory Designated Sites

- 3.1 The following IIWS, for which the qualifying features include wintering birds, lie within 15km of the Study Area (refer to Appendix 1, Figure 2 for the locations of these sites and Appendix 2 for citations):
- The Nene Washes Ramsar site; and
  - The Nene Washes SPA.
- 3.2 There are no SSSI or other statutory sites for nature conservation within a 2km buffer of the Study Area.

#### Non-statutory Designated Nature Conservation Sites

- 3.3 The Study Area contains a single non-statutory nature conservation designation, Slys Connection Local Wildlife Site (LWS), which runs through the site across parcels D2 and D3. Three non-statutory Local Wildlife Sites (LWS) with birds listed amongst their qualifying features/description are present within 2km of the Study Area.
- 3.1 Further details of the desk-top study for Statutory and Non-statutory Designated Sites are detailed in the Preliminary Ecological Appraisal (Temple, 2023b).

#### Species Data

- 3.2 The desk-top study for bird records returned 942 records of 41 notable species. The data set is contained in Appendix 3. Table 3.1 provides a summary of the desk-top study. Species in bold were recorded during the course of the surveys and are covered in detail in this report.

**Table 3.1: Summary of Desk-top Data**

| Common Name          | No of Records | Last Year Recorded |
|----------------------|---------------|--------------------|
| barn owl             | 53            | 2021               |
| Bewick's swan        | 15            | 2021               |
| bittern              | 1             | 2018               |
| black redstart       | 2             | 2011               |
| black-tailed godwit  | 1             | 2007               |
| brambling            | 2             | 2011               |
| bullfinch            | 2             | 2009               |
| Canada goose         | 18            | 2021               |
| Cetti's warbler      | 1             | 2021               |
| <b>corn bunting</b>  | 5             | 2005               |
| crane                | 1             | 2011               |
| curlew               | 1             | 2010               |
| fieldfare            | 45            | 2021               |
| goldeneye            | 6             | 2021               |
| green sandpiper      | 4             | 2019               |
| grey partridge       | 10            | 2021               |
| <b>greylag goose</b> | 78            | 2021               |
| hen harrier          | 6             | 2020               |
| house sparrow        | 94            | 2021               |
| kingfisher           | 5             | 2021               |
| <b>lapwing</b>       | 131           | 2021               |
| lesser redpoll       | 4             | 2021               |
| <b>linnet</b>        | 15            | 2021               |
| little egret         | 59            | 2021               |
| long-tailed duck     | 2             | 2017               |

| Common Name         | No of Records | Last Year Recorded |
|---------------------|---------------|--------------------|
| marsh harrier       | 35            | 2021               |
| merlin              | 3             | 2018               |
| peregrine           | 8             | 2021               |
| red kite            | 13            | 2021               |
| redshank            | 13            | 2019               |
| red-throated diver  | 2             | 2021               |
| redwing             | 23            | 2021               |
| reed bunting        | 23            | 2021               |
| <b>skylark</b>      | 33            | 2021               |
| <b>snipe</b>        | 4             | 2021               |
| song thrush         | 13            | 2021               |
| starling            | 108           | 2021               |
| swift               | 23            | 2021               |
| tree sparrow        | 28            | 2020               |
| <b>whooper swan</b> | 40            | 2021               |
| <b>yellowhammer</b> | 12            | 2020               |

### SITE HABITATS

- 3.4 The Study Area predominantly comprised agricultural land, mainly used for crop production (cereal, root crop and brassicas), with field boundaries consisting mainly of a network of ditches with occasional hedgerows, and small copses.
- 3.5 During the winter of 2023 / 2024, the River Welland flooded land near to Crowland and adjacent to WT13.

### FIELD SURVEY

- 3.6 A total of 83 species were recorded during the surveys, including 23 notable species: four IWS qualifying species; seven species listed on BoCC Red-list, 16 species listed on

BoCC Amber-list and 11 SPI. Twelve Lincolnshire BAP species were recorded at within the PV Area during surveys. Peak counts of notable species for the Study Area are detailed below in Table 3-2. BoCC species that are listed because of their breeding criteria only are excluded from the above figures.

- 3.7 A list of the species recorded during the surveys is provided in Appendix 6; Appendix 6 includes the numbers for each transect and peak counts. Maps for notable wildfowl and farmland birds are contained in Appendix 7.

**Table 3-2: Notable species recorded during WBS visits of WT7-10, WT12 and WT13**

| Species                 | IIWS Qualifying Species | BoCC  | SPI | Peak count |
|-------------------------|-------------------------|-------|-----|------------|
| black-headed gull       |                         | Amber |     | 240        |
| common gull             |                         | Amber |     | 120        |
| corn bunting            |                         | Red   | Yes | 1          |
| dunlin                  |                         | Red   |     | 9          |
| dunnock                 |                         | Amber | Yes | 1          |
| <b>gadwall</b>          | Yes                     | Amber |     | 45         |
| great black-backed gull |                         | Amber |     | 1          |
| greylag goose           |                         | Amber |     | 24         |
| herring gull            |                         | Red   | Yes | 40         |
| knot                    |                         | Amber |     | 1          |
| lapwing                 |                         | Red   | Yes | 500        |
| linnet                  |                         | Red   | Yes | 430        |
| mallard                 |                         | Amber |     | 160        |
| oystercatcher           |                         | Amber |     | 2          |
| pink-footed goose       |                         | Amber |     | 400        |
| <b>pintail</b>          | Yes                     | Amber |     | 150        |
| shelduck                |                         | Amber |     | 2          |

| Species       | IIWS Qualifying Species | BoCC  | SPI | Peak count |
|---------------|-------------------------|-------|-----|------------|
| skylark       |                         | Red   | Yes | 70         |
| snipe         |                         | Amber |     | 26         |
| <b>teal</b>   | Yes                     | Amber |     | 300        |
| whooper swan  |                         | Amber |     | 250        |
| <b>wigeon</b> | Yes                     | Amber |     | 800        |
| yellowhammer  |                         | Red   | Yes | 30         |

### CONSERVATION STATUS OF NOTABLE SPECIES RECORDED WITHIN THE SITE

3.8 The following section provides more details on the conservation status of notable bird species recorded within the PV Area during winter 2023/24. Winter visitors whose conservation status relates only to the UK breeding population have not been considered further within this report.

3.9 Background information on the status of species is quoted from the BTO Website (BTO, 2023) except where alternative references are cited. Details of BoCC status are taken from Stanbury *et al.* (2021). The Lincolnshire status for each species is taken from the Birds of Lincolnshire (Lincolnshire Bird Club, 2021).

### IIWS species

3.10 Four IIWS species were recorded along the flooded land adjacent to the River Welland along WT13. The peak count and relevant Nene Washes 5-year average (2018/2019 to 2022/2023) and Lincolnshire wintering population levels are given in Table 3-3.

**Table 3-3: IIWS Species recorded and population levels**

| Species | Peak Count | Nene Washes WeBS 5 -year average |                 | Lincolnshire Population |                 |
|---------|------------|----------------------------------|-----------------|-------------------------|-----------------|
|         |            | Population <sup>5</sup>          | % of population | Population <sup>6</sup> | % of population |
| gadwall | 45         | 355                              | 12.68           | 1200                    | 3.75            |
| pintail | 150        | 489                              | 30.67           | 500                     | 30              |
| teal    | 300        | 980                              | 30.61           | 8,600                   | 3.5             |
| wigeon  | 800        | 9,761                            | 8.20            | 18,000                  | 4.4             |

### Gadwall

- 3.11 The winter distribution of gadwall is wider than in the breeding season due to dispersal from natal areas and the arrival of migrants from Iceland, the Netherlands, Scandinavia and central Europe. WeBS trends show a 19% short term increase and 139% long-term increase, with 2% increase at Nene since 1991/1992 (14% decline since 2016/2017). Gadwall is a fairly common, but localised breeding species and winter visitor in Lincolnshire, with three figure counts recorded at several sites.
- 3.12 The peak count of gadwall occurred during the February survey on WT13, with a peak count of 45 birds, just over 12% of the number stated in the 5-year mean for the Nene Washes and 3.75% of the County wintering population. In addition, 15 gadwall were recorded in the eastern ditch on the perimeter of WT10 during the November 2023 survey and six in the December 2023 Survey. The population of gadwall associated with the Study Area is therefore considered to be of **at least County importance**. In addition, at least during wetter winters, it is likely to be functionally linked with the Nene Washes population. It is considered that these numbers are especially high due to the flooding event. Appendix 8, Figures A8.1 to A8.4 show the location of the records for this species.

<sup>5</sup> Taken from [BTO WeBS Reports](#)

<sup>6</sup> Taken from Casey, C., Clarkson, J.R., Espin, P., & Hyde, P.A. (2021)

## Pintail

- 3.13 The winter distribution map reveals preferences for grazing marshes, river floodplains, sheltered coasts and estuaries while the relative abundance map confirms the importance of estuaries throughout most of Britain and Ireland for this species. WeBS Alerts show a 41% decrease in the English wintering population over the medium term and a 42% decline over the long term (since the winter of 2011/12). With a 56% decline on the SPA suite over the same period. For the Nene Washes SPA, this is a 46% decline in population size. Pintail is a fairly common passage migrant and winter visitor to Lincolnshire, three figure counts are occasionally recorded around The Wash.
- 3.14 The maximum count of 150 birds was recorded on WT13 in February 2024. This represents just over 30% of the number stated in the 5-year mean for the Nene Washes and 30% of the county wintering population. The population associated with the Study Area is therefore considered to be of **at least County importance**. In addition, at least during wetter winters, it is considered likely functionally linked with the Nene Washes population. Appendix 8 Figures A8.1 to A8.4 show the location of the records for this species.

## Teal

- 3.15 Although much more abundant as a winter visitor, The UK supports and internationally important wintering population of teal, hence its inclusion on the Amber-list. Teal has shown a 28% increase in England with a 35% increase for the Nene Washes since 1991/92. Teal is a common migrant and winter visitor in Lincolnshire with four figure counts recorded at several sites.
- 3.16 The maximum count of 300 was recorded WT13 in February 2024. This figure represents 30% of the population cited for the classification of the Nene Washes SPA (1992) and 3.5% of the county wintering populations. In addition, 85 teal were recorded in the eastern ditch on the perimeter of WT10 during the February 2024 survey and four in the March 2024 Survey. The population associated with the Study Area is therefore considered to be of **at least County importance**. During wetter winters, it is considered that the population is likely functionally linked with that of the

Nene Washes. Appendix 8 Figures A8.1 to A8.4 show the location of the records for this species.

### Wigeon

- 3.17 In winter, there are concentrations of wigeon in the Northern Isles, the inner Moray Firth, parts of central Scotland, the Irish Sea coastal fringe, major river valleys in eastern England, estuaries of south and south-east England and the rivers, lakes and turloughs of the west midlands of Ireland. The species has shown a 33% increase and Nene itself 49% since 91/92 although short term decline noted of 28% since 16/17. Wigeon is a very common winter visitor in Lincolnshire, especially around The Wash and the Humber.
- 3.18 The maximum count of 800 was recorded on WT13 in February 2024. This figure represents 8.2% of the number stated in the 5-year mean for the Nene Washes and 4.4% of the county wintering population. In addition, 64 wigeon were recorded in the eastern ditch on the perimeter of WT10 during the March 2024 survey. The population associated with the Study Area is therefore considered to be of **at least County importance**. In wetter winters, it is considered likely that the population is functionally linked with that of the Nene Washes. Appendix 8 Figures A8.1 to A8.4 show the location of the records for this species.

## RED-LISTED BIRD SPECIES OF CONSERVATION CONCERN / SPECIES OF PRINCIPLE IMPORTANCE

### Corn bunting

- 3.19 Following an earlier, historical decrease, corn buntings declined very steeply between the mid-1970s and mid-1980s, with local extinctions across large sections of their former range. Subsequently the decline has continued, but at a reduced rate. There has been widespread moderate decline across Europe since 1980 (BTO, 2018). Similar to skylark, changes in farming practice are believed to have been responsible for declines, through impacts on reduced seed and/or invertebrate abundance, most notably the lack of invertebrate food for chicks (Brickle *et al.*, 2000). Corn bunting is also an SPI.

3.20 The species is fairly common in Lincolnshire with wintering flocks of over 50 birds recorded at four sites in 2020. A single corn bunting was recorded along WT9 during the October 2023 visit. The population associated with the Study Area is therefore considered to be of **negligible importance**.

### Herring Gull

3.21 Herring gull is widely distributed throughout lowland areas of Britain, with the highest concentrations near the coast. In Ireland, the distribution is more coastal. Herring gull is a common passage migrant and winter visitor in Lincolnshire with an estimated 8,500 wintering. The peak count of 40 birds was recorded on WT10 in December 2023 and in March 2024. The population associated with the Study Area is therefore considered to be of **negligible importance**.

### Lapwing

3.22 In Britain, wintering concentrations of lapwing are highest in the Somerset Levels, Fens, north-west England, the Uists, Caithness and Orkney. The former core area in central England is less dominant, with fenland and the east coast now more prominent than in the 1981–84 Winter Atlas. National surveys in England and Wales showed a 49% population decline between 1987 and 1998 (Wilson *et al.*, 2001). The 2009 review moved this species from amber to the UK Red-list, for which it continues to qualify on the strength of its UK decline, which has been shown to be 59% (1967–2020) (Woodward *et al.*, 2020). WeBS alerts show a 15% decline in England

3.23 Lapwing is a very common winter visitor in Lincolnshire, with approximately 25-30,000 recorded at the top 10 wintering sites. The maximum count was 500 on WT13 in February 2024 on the flooded land adjacent to the River Welland. The site therefore held a population which is in excess of 1% of the county population. The population associated with the Study Area is therefore considered to be up to **County importance**.

### Linnet

3.24 Linnet abundance fell rapidly in the UK in the late 1960s, and again between the mid-1970s and mid-1980s, but decrease has been followed by a long period of relative stability. Linnet is a very common resident in Lincolnshire with three figure counts recorded at several sites. The maximum count of 430 was recorded on WT9 in January 2023, with 150 concurrently present on WT10; three figure counts were recorded on several dates. The Study Area supports a population of this Red-list species that is common within the County. The population associated with the Study Area is therefore considered to be of **site importance**. Appendix 8 Figures A8.5 to A8.8 show the location of the records for this species.

### Skylark

3.25 Skylark declined rapidly from the mid-1970s until the mid-1980s, when the rate of decline slowed. BBS data show further decline, with fluctuations in Scotland and Wales. There has been a 15% decrease (1995–2020) in the UK population.

3.26 Skylark is a very common resident in Lincolnshire with three figure counts recorded at several sites. The maximum count of 70 was recorded on WT9 in November 2023. The population associated with the Study Area is therefore considered to be of **site importance** due to presence of a wintering population of the SPI that is common within the County. Appendix 8 Figures A8.9 to A8.12 show the location of the records for this species.

### Yellowhammer

3.27 Yellowhammer abundance began to decline on farmland in the mid-1980s. The BBS map of change in relative density between 1994-96 and 2007-09 indicates that in Britain there was a sharp divide between decrease over that period in the east and south and limited increase in the north-west; the population in Northern Ireland has also declined. Recent BBS data confirms that the earlier downward trends have continued, with a moderate decrease since 1995 recorded in England and a steep decrease in Wales, contrasting with shallow increase in Scotland. The breeding

population has declined by 62% (1967–2020) The species has been on the Red-list since 2002.

3.28 Yellowhammer is a very common resident in Lincolnshire with three figure counts recorded at some sites. The maximum count of 30 was recorded on WT8 in February 2024. The population associated with the Study Area is therefore considered to be of **site importance** for this species as the species is a Species of Principal Importance. Appendix 8 Figures A8.11 and A8.12 show the location of the records for this species.

### AMBER-LISTED BIRD SPECIES OF CONSERVATION CONCERN

3.29 Note that Amber-listed species do not normally contribute as individual species to the site's importance for wintering birds at higher than local level but may contribute to the overall assemblage.

3.30 The assemblage associated with the Study Area is therefore considered to be of **local importance**, with the exception of whooper swan, which is considered further below:

- **black-headed gull** - peak count of 240 along WT9 in January 2024;
- **common gull** - peak count of 120 along WT10 in October 2023.
- **duncock** - a single duncock was recorded on WT7, WT8 and WT9 on several surveys;
- **greater black-backed gull** - single birds on WT10 in November 2023 and on WT9 in January 2024;
- **greylag goose** - peak count of greylag goose of 24 on WT13 in February 2024;
- **knot** - a single knot on WT10 in November 2023;
- **mallard** – peak count of 160 on WT13 in February 2024;
- **oystercatcher** - two birds were present on WT13 in March 2024;
- **pink footed goose** - up to 400 were present on WT9 in November 2023 (Appendix 8 Figure A8.1 to A8.3 shows the location of the records for this species).
- **shelduck** - recorded on one occasion with two on WT8 in March 2024; and

- snipe – peak count of 26 on WT10 in November 2023.

### Whooper swan

3.31 The maximum count of 250 was recorded on WT10 feeding on the arable fields in November 2023. This number represents 13% of the 5-year average count for the Nene Washes and 25% of the county wintering population. The threshold for national importance is 200 birds. Whooper swans have been recorded using fields in the wider landscape as identified in the desk-top study. The population associated with the Study Area is therefore considered to be of **up to national importance**. Appendix 8 Figures A8.1 to A8.3 shows the location of the records for this species.

## 4 Discussion And Conclusion

### IIWS

- 4.1 Wintering species listed as qualifying features for the Nene Washes SPA/Ramsar site may, on occasion, occur within the Study Area, particularly during wetter winters. Teal, gadwall, pintail and wigeon were recorded (peak counts of 300, 45, 150 and 800 respectively), with birds present on flooded areas of WT13 where the banks of the River Welland had broken. Smaller numbers of teal, gadwall and wigeon were also recorded along the ditch to the east boundary of WT10. The populations associated with the Study Area are therefore of **at least County importance** and should be avoided through the design of this Scheme.
- 4.2 The area to the west of the Study Area, adjacent to River Welland of the Site may be functionally linked to the IIWS, however given that this is outside the PV Area, disturbance here may be restricted to those created during the construction period. The population of birds associated with the flooded fields in this area are unlikely to find alternative areas for grazing in the immediate area, as (at the time of the survey) this was the only in which flooding was recorded. Given the numbers of species associated with this area that are listed in the citations for the IIWS, this land is considered to possibly be functionally linked, as a consequence, further analysis of the possible impact pathways will be required to inform at least a Stage 1 (Screening) Habitats Regulations Assessment if these areas cannot be avoided through the design process.

The land around WT10 may also be functionally linked to the IIWS, given that species for which the IIWS are designated are present in the ditch systems. These ditch systems form many of the field boundaries within the wider area, which may also support a similar assemblage of species, or which birds within the PV Area could relocate to if disturbed. this land is considered to possibly be functionally linked, as a consequence, further analysis of the possible impact pathways will be required to

inform a Habitats Regulations Assessment if these areas cannot be avoided through the design process.

### Whooper Swan

- 4.3 The population of whooper swan within the survey is of **up to national importance**, with the number recorded in November 2023 exceeding the threshold for national importance. The species is not listed within the citations for the Nene Washes SPA or Ramsar site, although they now hold an international important wintering population of the species. The desk-top study also returned records of whooper swans from the fields to the west of the River Welland in the wider landscape.
- 4.4 Given the features within the PV Area that are relevant to the IIWS, and the nationally important population of whooper swan (it is likely that the birds are moving east / west across the site and commuting from the Nene Washes to the south of the Study Area.) Work in these areas should be avoided to minimise and / or avoid impacts. This could be achieved by timing the works to avoid the sensitive winter periods or designing the Solar PV Arrays and supporting infrastructure to reduce or avoid impacts. Consideration also needs to be given to retaining the area of flooding adjacent to the River Welland, although this is outside the control of the Client.

### Overall Assemblage

- 4.5 The presence of a number of notable species suggest that the population associated with the Study Area is therefore considered to be of up to **local importance** using the criteria stated in Table 2.3. The species recorded are generally typical of the habitats within the Study Area that provide roosting and feeding opportunities for a variety of wintering passerine species, and is similar to the surrounding landscape.

### Additional Considerations

- 4.6 Although the boundary hedgerows within the PV Area vary in quality and structure, they still provided optimal winter foraging and refuge for species associated with hedgerows including notable species, linnet, house sparrow and dunnock.

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## Appendix 1: Study Area Maps

Figure A1.1: Scheme, Study Area and Transects

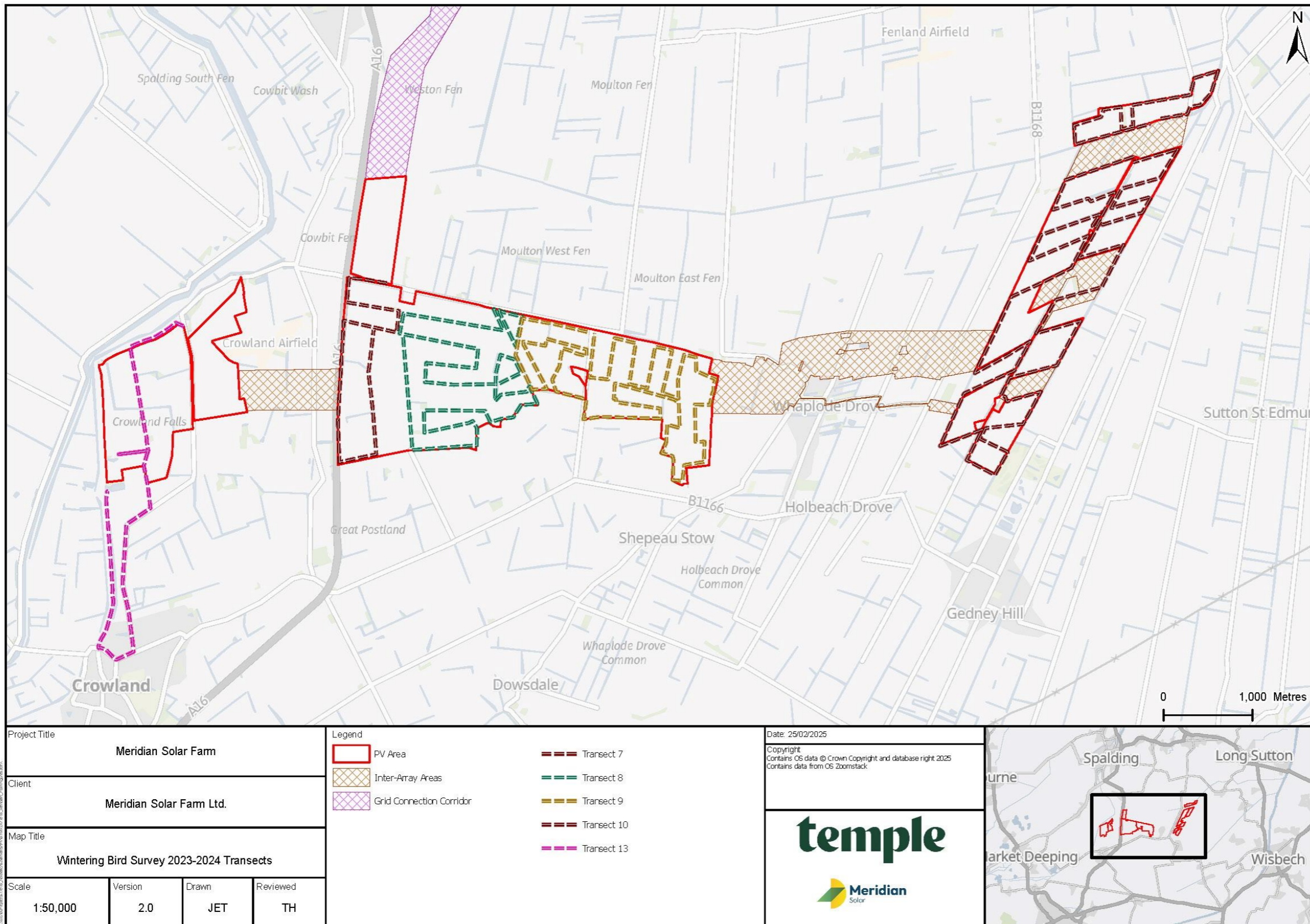
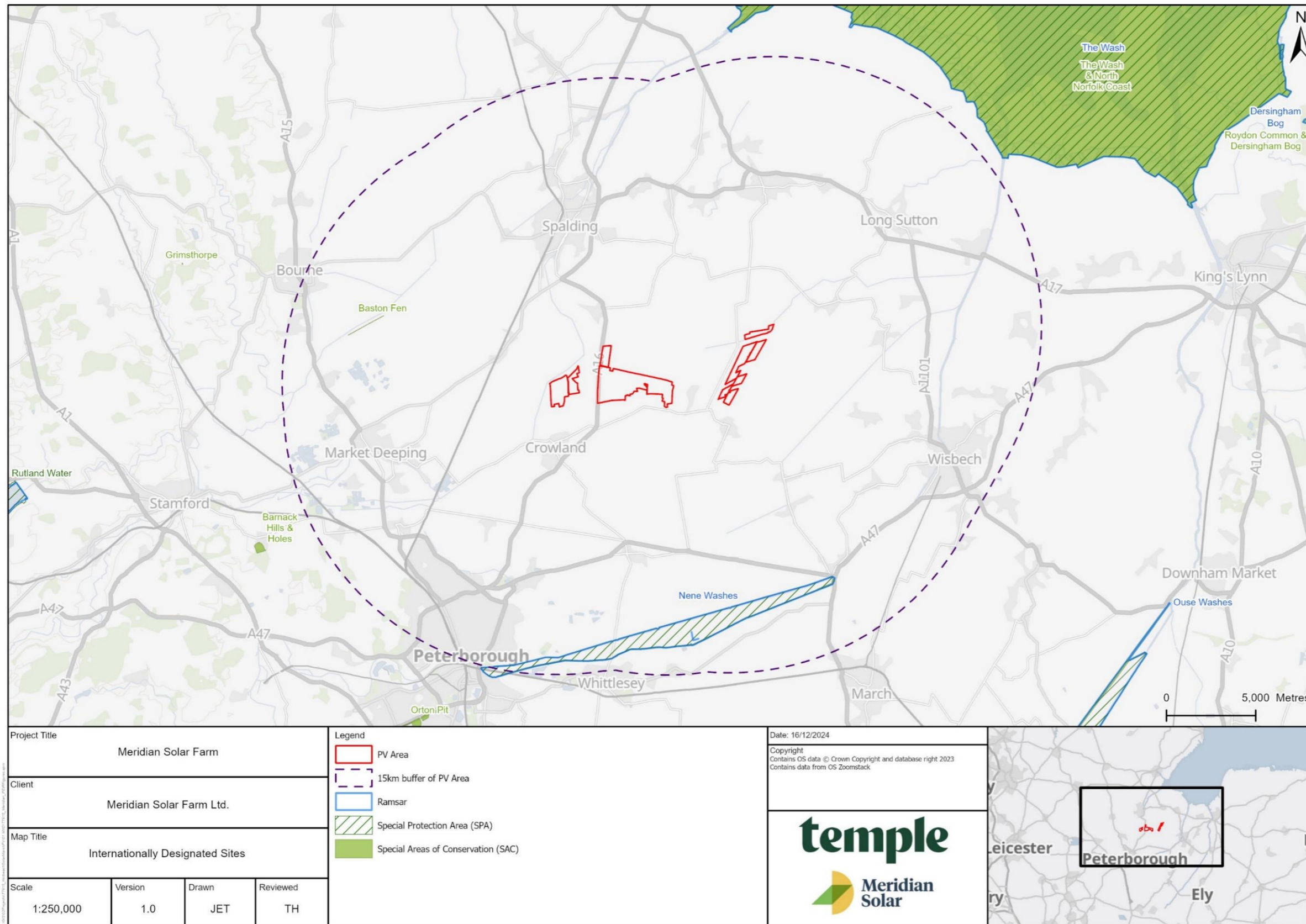


Figure A1.2: Internationally Designated Sites within 15km



## Appendix 2: Designated Sites Citations

## EC Directive 79/409 on the conservation of wild birds: Special Protection Area

### Nene Washes (Cambridgeshire)

The Nene Washes is an area of seasonally flooding grassland and grazing marsh in the lower reaches of the River Nene, Cambridgeshire. The boundaries of the site follows those of the Nene Washes (Whittlesey) SSSI.

The site qualifies under Article 4.1 of the EC Birds Directive by regularly supporting, in winter, an internationally important wintering population of Bewick's swan *Cygnus columbarius bewickii* (1,300 individuals: over 7% of the north-west European population wintering population: average of peak counts for the five year period 1987/88 to 1991/92).

Nene Washes qualifies also under Article 4.2 by supporting, in summer, in recent years, nationally important breeding populations of regularly occurring migratory species: 25 pairs of gadwall *Anas strepera* (5% of British); five pairs of garganey *Anas querquedula* (10% of British), 36 pairs of shoveler *A. clypeata* (3% of British), and 16 pairs of black-tailed godwits *Limosa limosa* (30% of British), as well as several other rare birds.

The site further qualifies under Article 4.2 by supporting, in winter, nationally important wintering populations of five migratory species (average peak counts for the most recent five year period for which data is available (1984/5 - 1985/86 and 1988/89 - 1990/91): 3,640 wigeon *Anas penelope* (over 1 % of the British wintering population); 980 teal *A. crecca* (1% of British), 95 gadwall *Anas strepera* (over 1% of British); 440 Pintail *Anas acuta* (over 1% of British) and 110 shoveler *Anas clypeata* (over 1% of British).

The Nene Washes is also of importance for a diverse assemblage of breeding birds of wet grasslands, including: redshank *Tringa totanus*, snipe *Gallinago gallinago*, lapwing *Vanellus vanellus*, mute swan *Cygnus olor*, sedge warbler *Acrocephalus schoenobaenus* and yellow wagtail *Motacilla flava*. The site has an important role in maintaining the range of several of these species which have been affected by changes in habitat elsewhere in Britain.

Also notable is an assemblage of wintering waterfowl including, in addition to species listed above, mute swan, whooper swan *C. cygnus*, mallard *Anas platyrhynchos*, pochard *Aythya ferina*, tufted duck *Aythya fuligula*, shelduck *Tadorna tadorna* and coot *Fulica atra*. A wide range of raptors occur through the year on the Nene Washes, including merlin *Falco columbarius*, hobby *F. subbuteo*, peregrine *F. peregrinus*, marsh harrier *Circus aeruginosus*, hen harrier *C. cyaneus*, sparrowhawk *Accipiter nisus*, short-eared owl *Asio flammeus*, long-eared owl *A. otus*, and barn owl *Tyto alba*.

During severe winter weather elsewhere, the Nene Washes can assume even greater national and international importance as wildfowl and waders from many other areas arrive, attracted by the relatively mild climate, compared with continental European areas, and the abundant food resources available. It can also assume greater importance at times on deep flooding on the nearby Ouse Washes when it holds displaced birds.

The continued international importance of this site is dependant on the maintenance of a winter flooding regime and a high, but controlled summer water table.

SPA Citation  
DAS June 1992

# Information Sheet on Ramsar Wetlands (RIS)

*Categories approved by Recommendation 4.7 (1990), as amended by Resolution VIII.13 of the 8<sup>th</sup> Conference of the Contracting Parties (2002) and Resolutions IX.1 Annex B, IX.6, IX.21 and IX.22 of the 9<sup>th</sup> Conference of the Contracting Parties (2005).*

Notes for compilers:

1. The RIS should be completed in accordance with the attached *Explanatory Notes and Guidelines for completing the Information Sheet on Ramsar Wetlands*. Compilers are strongly advised to read this guidance before filling in the RIS.
2. Further information and guidance in support of Ramsar site designations are provided in the *Strategic Framework for the future development of the List of Wetlands of International Importance* (Ramsar Wise Use Handbook 7, 2nd edition, as amended by COP9 Resolution IX.1 Annex B). A 3rd edition of the Handbook, incorporating these amendments, is in preparation and will be available in 2006.
3. Once completed, the RIS (and accompanying map(s)) should be submitted to the Ramsar Secretariat. Compilers should provide an electronic (MS Word) copy of the RIS and, where possible, digital copies of all maps.

**1. Name and address of the compiler of this form:**

**Joint Nature Conservation Committee**  
 Monkstone House  
 City Road  
 Peterborough  
 Cambridgeshire PE1 1JY  
 UK  
 Telephone/Fax: +44 (0)1733 – 562 626 / +44 (0)1733 – 555 948  
 Email: [RIS@JNCC.gov.uk](mailto:RIS@JNCC.gov.uk)

FOR OFFICE USE ONLY.

DD MM YY

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Designation date

|  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|

Site Reference Number

**2. Date this sheet was completed/updated:**

Designated: 05 March 1993

**3. Country:**

UK (England)

**4. Name of the Ramsar site:**

Nene Washes

**5. Designation of new Ramsar site or update of existing site:**

This RIS is for: Updated information on an existing Ramsar site

**6. For RIS updates only, changes to the site since its designation or earlier update:**

**a) Site boundary and area:**

\*\* Important note: If the boundary and/or area of the designated site is being restricted/reduced, the Contracting Party should have followed the procedures established by the Conference of the Parties in the Annex to COP9 Resolution IX.6 and provided a report in line with paragraph 28 of that Annex, prior to the submission of an updated RIS.

**b) Describe briefly any major changes to the ecological character of the Ramsar site, including in the application of the Criteria, since the previous RIS for the site:**

|                                   |             |             |
|-----------------------------------|-------------|-------------|
| Ramsar Information Sheet: UK11046 | Page 1 of 8 | Nene Washes |
|-----------------------------------|-------------|-------------|

Produced by JNCC: Version 3.0, 13/06/2008

**7. Map of site included:**

Refer to Annex III of the *Explanatory Notes and Guidelines*, for detailed guidance on provision of suitable maps, including digital maps.

**a) A map of the site, with clearly delineated boundaries, is included as:**

- i) **hard copy** (required for inclusion of site in the Ramsar List): *yes* ✓ -or- *no* □;
- ii) **an electronic format** (e.g. a JPEG or ArcView image) *Yes*
- iii) **a GIS file providing geo-referenced site boundary vectors and attribute tables** *yes* ✓ -or- *no* □;

**b) Describe briefly the type of boundary delineation applied:**

e.g. the boundary is the same as an existing protected area (nature reserve, national park etc.), or follows a catchment boundary, or follows a geopolitical boundary such as a local government jurisdiction, follows physical boundaries such as roads, follows the shoreline of a waterbody, etc.

The site boundary is the same as, or falls within, an existing protected area.

For precise boundary details, please refer to paper map provided at designation

**8. Geographical coordinates (latitude/longitude):**

52 34 41 N                      00 04 33 W

**9. General location:**

Include in which part of the country and which large administrative region(s), and the location of the nearest large town.

Nearest town/city: Peterborough

The site extends for 21 km east from Peterborough, in eastern England.

**Administrative region:** Cambridgeshire; City of Peterborough

**10. Elevation (average and/or max. & min.) (metres):**    **11. Area (hectares):** 1517.49

|      |   |
|------|---|
| Min. | 1 |
| Max. | 6 |
| Mean | 2 |

**12. General overview of the site:**

Provide a short paragraph giving a summary description of the principal ecological characteristics and importance of the wetland.

This site is an extensive area of seasonally-flooding wet grassland (washland) of importance for national and international populations of breeding and wintering waders and wildfowl. During severe winter weather elsewhere, the site can attract waterfowl from other areas due to its relatively mild climate (compared with continental Europe) and abundant food resources available. The site is also notable for the diversity of plant and associated animal life within its network of dykes.

**13. Ramsar Criteria:**

Circle or underline each Criterion applied to the designation of the Ramsar site. See Annex II of the *Explanatory Notes and Guidelines* for the Criteria and guidelines for their application (adopted by Resolution VII.11).

**2, 6**

**14. Justification for the application of each Criterion listed in 13 above:**

Provide justification for each Criterion in turn, clearly identifying to which Criterion the justification applies (see Annex II for guidance on acceptable forms of justification).

Ramsar criterion 2

The site supports an important assemblage of nationally rare breeding birds. In addition, a wide range of raptors occur through the year. The site also supports several nationally scarce plants, and two vulnerable and two rare British Red Data Book invertebrate species have been recorded.

**Ramsar criterion 6 – species/populations occurring at levels of international importance.**

**Qualifying Species/populations (as identified at designation):**

**Species with peak counts in winter:**

Tundra swan , *Cygnus columbianus bewickii*, 694 individuals, representing an average of 2.3% of the population (5 year peak mean 1998/9-2002/3)  
NW Europe

**Species/populations identified subsequent to designation for possible future consideration under criterion 6.**

**Species with peak counts in spring/autumn:**

Black-tailed godwit , *Limosa limosa islandica*, 482 individuals, representing an average of 1.3% of the population (5 year peak mean 1998/9-2002/3 - spring peak)  
Iceland/W Europe

**Species with peak counts in winter:**

Northern pintail , *Anas acuta*, NW Europe 1848 individuals, representing an average of 3% of the population (5 year peak mean 1998/9-2002/3)

Contemporary data and information on waterbird trends at this site and their regional (sub-national) and national contexts can be found in the Wetland Bird Survey report, which is updated annually. See [www.bto.org/survey/webs/webs-alerts-index.htm](http://www.bto.org/survey/webs/webs-alerts-index.htm).

**15. Biogeography (required when Criteria 1 and/or 3 and /or certain applications of Criterion 2 are applied to the designation):**

Name the relevant biogeographic region that includes the Ramsar site, and identify the biogeographic regionalisation system that has been applied.

**a) biogeographic region:**

Atlantic

**b) biogeographic regionalisation scheme (include reference citation):**

Council Directive 92/43/EEC

**16. Physical features of the site:**

Describe, as appropriate, the geology, geomorphology, origins - natural or artificial; hydrology; soil type; water quality; water depth, water permanence; fluctuations in water level; tidal variations; downstream area; general climate, etc.

|                             |  |
|-----------------------------|--|
| Soil & geology              | acidic, basic, neutral, clay, alluvium, peat |
| Geomorphology and landscape | lowland, floodplain                          |
| Nutrient status             | eutrophic                                    |
| pH                          | circumneutral                                |
| Salinity                    | fresh  |
| Soil                        | mainly organic                               |
| Water permanence            | usually seasonal / intermittent              |

## Information Sheet on Ramsar Wetlands (RIS), page 4

|                                   |  |
|-----------------------------------|--|
| Summary of main climatic features | Annual averages (Cambridge, 1971–2000)<br>( <a href="http://www.metoffice.com/climate/uk/averages/19712000/sites/cambridge.html">www.metoffice.com/climate/uk/averages/19712000/sites/cambridge.html</a> )<br>Max. daily temperature: 14.1° C<br>Min. daily temperature: 6.1° C<br>Days of air frost: 41.9<br>Rainfall: 553.5 mm<br>Hrs. of sunshine: 1501.2 |
|-----------------------------------|--|

**General description of the Physical Features:**

The Nene Washes are an extensive area of seasonally-flooding wet grassland ('washland') lying along the River Nene.

**17. Physical features of the catchment area:**

Describe the surface area, general geology and geomorphological features, general soil types, general land use, and climate (including climate type).

The Nene Washes are an extensive area of seasonally-flooding wet grassland ('washland') lying along the River Nene.

**18. Hydrological values:**

Describe the functions and values of the wetland in groundwater recharge, flood control, sediment trapping, shoreline stabilization, etc.

Flood water storage / desynchronisation of flood peaks

**19. Wetland types:**

Human-made wetland, Inland wetland

| Code | Name                                 | % Area |
|------|--------------------------------------|--------|
| 4    | Seasonally flooded agricultural land | 100    |

**20. General ecological features:**

Provide further description, as appropriate, of the main habitats, vegetation types, plant and animal communities present in the Ramsar site, and the ecosystem services of the site and the benefits derived from them.

A mixture of largely arable land and agriculturally-improved, floristically-poor grassland. The latter being dominated by species such as *Elymus repens*, *Poa trivialis* and *Deschampsia cespitosa*. Areas of more structurally-diverse grassland exist containing a range of grasses, sedges and rushes. Species of frequent occurrence include *Eleocharis palustris*, *Glyceria fluitans*, *Glyceria maxima*, *Phalaris arundinacea*, *Alopecurus geniculatus* and *Juncus effusus*. A couple of small semi-natural grassland areas are also present. The washlands are used for the seasonal uptake of floodwaters and traditionally, cattle grazing in summer months. The mosaic of rough grassland and wet pasture provide a variety of habitats for breeding and feeding birds. Many of the ditches hold a rich flora and several nationally scarce plants including fringed water-lily *Nymphoides peltata*, hair-like pondweed *Potamogeton trichoides* and marsh dock *Rumex palustris*.

Ecosystem services

**21. Noteworthy flora:**

Provide additional information on particular species and why they are noteworthy (expanding as necessary on information provided in 12. Justification for the application of the Criteria) indicating, e.g. which species/communities are unique, rare, endangered or biogeographically important, etc. Do not include here taxonomic lists of species present – these may be supplied as supplementary information to the RIS.

**Nationally important species occurring on the site.**

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**Higher Plants.**

*Nymphoides peltata*, *Potamogeton trichoides*, *Rumex palustris*, *Potamogeton friesii*, *Alisma lanceolatum*, *Hordeum marinum*.

**22. Noteworthy fauna:**

Provide additional information on particular species and why they are noteworthy (expanding as necessary on information provided in 12. Justification for the application of the Criteria) indicating, e.g. which species/communities are unique, rare, endangered or biogeographically important, etc., including count data. *Do not include here taxonomic lists of species present – these may be supplied as supplementary information to the RIS.*

**Birds****Species currently occurring at levels of national importance:****Species with peak counts in winter:**

|   |   |
|---|---|
| Whooper swan , <i>Cygnus cygnus</i> ,<br>Iceland/UK/Ireland   | 80 individuals, representing an average of 1.3% of the GB population (5 year peak mean 1998/9-2002/3)   |
| Eurasian wigeon , <i>Anas penelope</i> , NW Europe  | 9651 individuals, representing an average of 2.3% of the GB population (5 year peak mean 1998/9-2002/3) |
| Eurasian teal , <i>Anas crecca</i> , NW Europe  | 2015 individuals, representing an average of 1% of the GB population (5 year peak mean 1998/9-2002/3)   |
| Northern shoveler , <i>Anas clypeata</i> , NW & C Europe  | 343 individuals, representing an average of 2.3% of the GB population (5 year peak mean 1998/9-2002/3)  |
| Common pochard , <i>Aythya ferina</i> , NE & NW Europe  | 1795 individuals, representing an average of 3% of the GB population (5 year peak mean 1998/9-2002/3)   |
| European golden plover , <i>Pluvialis apricaria apricaria</i> , P. a. altifrons Iceland & Faroes/E Atlantic | 2949 individuals, representing an average of 1.1% of the GB population (5 year peak mean 1998/9-2002/3) |
| Ruff , <i>Philomachus pugnax</i> , Europe/W Africa  | 98 individuals, representing an average of 14% of the GB population (5 year peak mean 1998/9-2002/3)    |

**Species Information****Nationally important species occurring on the site.****Invertebrates.**

*Valvata macrostoma*, *Agabus undulatus*, *Libellula fulva*, *Anasimyia interpuncta*.

**23. Social and cultural values:**

Describe if the site has any general social and/or cultural values e.g. fisheries production, forestry, religious importance, archaeological sites, social relations with the wetland, etc. Distinguish between historical/archaeological/religious significance and current socio-economic values.

Aesthetic  
Livestock grazing  
Non-consumptive recreation  
Sport hunting

**b)** Is the site considered of international importance for holding, in addition to relevant ecological values, examples of significant cultural values, whether material or non-material, linked to its origin, conservation and/or ecological functioning? No

If Yes, describe this importance under one or more of the following categories:

**Information Sheet on Ramsar Wetlands (RIS), page 6**

- i) sites which provide a model of wetland wise use, demonstrating the application of traditional knowledge and methods of management and use that maintain the ecological character of the wetland:
- ii) sites which have exceptional cultural traditions or records of former civilizations that have influenced the ecological character of the wetland:
- iii) sites where the ecological character of the wetland depends on the interaction with local communities or indigenous peoples:
- iv) sites where relevant non-material values such as sacred sites are present and their existence is strongly linked with the maintenance of the ecological character of the wetland:

**24. Land tenure/ownership:**

| Ownership category                  | On-site | Off-site |
|-------------------------------------|---------|----------|
| Non-governmental organisation (NGO) | +       |          |
| Private                             | +       | +        |
| Private                             | +       | +        |

**25. Current land (including water) use:**

| Activity                       | On-site | Off-site |
|--------------------------------|---------|----------|
| Nature conservation            | +       |          |
| Recreation                     | +       |          |
| Permanent arable agriculture   | +       | +        |
| Permanent pastoral agriculture | +       | +        |
| Hay meadows                    | +       |          |
| Flood control                  | +       |          |
| Transport route                |         | +        |

**26. Factors (past, present or potential) adversely affecting the site’s ecological character, including changes in land (including water) use and development projects:**

*Explanation of reporting category:*

1. Those factors that are still operating, but it is unclear if they are under control, as there is a lag in showing the management or regulatory regime to be successful.
2. Those factors that are not currently being managed, or where the regulatory regime appears to have been ineffective so far.

*NA = Not Applicable because no factors have been reported.*

| Adverse Factor Category | Reporting Category | Description of the problem (Newly reported Factors only) | On-Site | Off-Site | Major Impact? |
|-------------------------|--------------------|--|---------|----------|---------------|
| No factors reported     | NA                 |  |         |          |               |
|                         |                    |  |         |          |               |

For category 2 factors only.

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What measures have been taken / are planned / regulatory processes invoked, to mitigate the effect of these factors?

Is the site subject to adverse ecological change? NO

**27. Conservation measures taken:**

List national category and legal status of protected areas, including boundary relationships with the Ramsar site; management practices; whether an officially approved management plan exists and whether it is being implemented.

| Conservation measure  | On-site | Off-site |
|---|---------|----------|
| Site/ Area of Special Scientific Interest (SSSI/ASSI)                 | +       |          |
| Special Protection Area (SPA)   | +       |          |
| Land owned by a non-governmental organisation for nature conservation | +       |          |
| Management agreement  | +       |          |
| Site management statement/plan implemented                            | +       |          |
| Special Area of Conservation (SAC)                                    | +       |          |

**b) Describe any other current management practices:**

The management of Ramsar sites in the UK is determined by either a formal management plan or through other management planning processes, and is overseen by the relevant statutory conservation agency. Details of the precise management practises are given in these documents.

**28. Conservation measures proposed but not yet implemented:**

e.g. management plan in preparation; official proposal as a legally protected area, etc.

No information available

**29. Current scientific research and facilities:**

e.g. details of current research projects, including biodiversity monitoring; existence of a field research station, etc.

**Fauna.**

Numbers of migratory and wintering wildfowl and waders are monitored annually as part of the national Wetland Birds Survey (WeBS) organised by the British Trust for Ornithology, Wildfowl & Wetlands Trust, the Royal Society for the Protection of Birds and the Joint Nature Conservation Committee.

Annual breeding bird survey.

**30. Current communications, education and public awareness (CEPA) activities related to or benefiting the site:**

e.g. visitor centre, observation hides and nature trails, information booklets, facilities for school visits, etc.

Occasional guided walks are provided by RSPB warden.

**31. Current recreation and tourism:**

State if the wetland is used for recreation/tourism; indicate type(s) and their frequency/intensity.

Wildfowling and sport hunting annually from September to February.

**32. Jurisdiction:**

Include territorial, e.g. state/region, and functional/sectoral, e.g. Dept. of Agriculture/Dept. of Environment, etc.

Head, Natura 2000 and Ramsar Team, Department for Environment, Food and Rural Affairs,  
European Wildlife Division, Zone 1/07, Temple Quay House, 2 The Square, Temple Quay, Bristol,  
BS1 6EB

## Information Sheet on Ramsar Wetlands (RIS), page 8

**33. Management authority:**

Provide the name and address of the local office(s) of the agency(ies) or organisation(s) directly responsible for managing the wetland. Wherever possible provide also the title and/or name of the person or persons in this office with responsibility for the wetland.

Site Designations Manager, English Nature, Sites and Surveillance Team, Northminster House,  
Northminster Road, Peterborough, PE1 1UA, UK

**34. Bibliographical references:**

Scientific/technical references only. If biogeographic regionalisation scheme applied (see 15 above), list full reference citation for the scheme.

**Site-relevant references**

Cranswick, PA, Waters, RJ, Musgrove, AJ & Pollitt, MS (1997) *The Wetland Bird Survey 1995–96: wildfowl and wader counts*. British Trust for Ornithology, Wildfowl and Wetlands Trust, Royal Society for the Protection of Birds & Joint Nature Conservation Committee, Slimbridge

Environment Agency (1996) *Nene Washes water level management plan. Draft*. Environment Agency

Folkard, N, Ausden, M & Kitchen, C (1998) *Conservation management of the Nene Washes RSPB Reserve*. Royal Society for the Protection of Birds, Sandy

McLeod, CR, Yeo, M, Brown, AE, Burn, AJ, Hopkins, JJ & Way, SF (eds.) (2004) *The Habitats Directive: selection of Special Areas of Conservation in the UK*. 2nd edn. Joint Nature Conservation Committee, Peterborough.  
[www.jncc.gov.uk/SACselection](http://www.jncc.gov.uk/SACselection)

Musgrove, AJ, Pollitt, MS, Hall, C, Hearn, RD, Holloway, SJ, Marshall, PE, Robinson, JA & Cranswick, PA (2001) *The Wetland Bird Survey 1999–2000: wildfowl and wader counts*. British Trust for Ornithology, Wildfowl and Wetlands Trust, Royal Society for the Protection of Birds & Joint Nature Conservation Committee, Slimbridge.  
[www.wwt.org.uk/publications/default.asp?PubID=14](http://www.wwt.org.uk/publications/default.asp?PubID=14)

Shirt, DB (ed.) (1987) *British Red Data Books: 2. Insects*. Nature Conservancy Council, Peterborough

Stewart, A, Pearman, DA & Preston, CD (eds.) (1994) *Scarce plants in Britain*. Joint Nature Conservation Committee, Peterborough

Stroud, DA, Chambers, D, Cook, S, Buxton, N, Fraser, B, Clement, P, Lewis, P, McLean, I, Baker, H & Whitehead, S (eds.) (2001) *The UK SPA network: its scope and content*. Joint Nature Conservation Committee, Peterborough (3 vols.)  
[www.jncc.gov.uk/UKSPA/default.htm](http://www.jncc.gov.uk/UKSPA/default.htm)

Please return to: **Ramsar Secretariat, Rue Mauverney 28, CH-1196 Gland, Switzerland**

Telephone: **+41 22 999 0170** • Fax: **+41 22 999 0169** • email: **[ramsar@ramsar.org](mailto:ramsar@ramsar.org)**

## Appendix 3: Ornithological Data

| common name | Location          | Grid Ref | Date       | Quantity |
|-------------|-------------------|----------|------------|----------|
| barn owl    | n/a               | TF338167 | 2009       | n/a n/a  |
| barn owl    | n/a               | TF381174 | 24/01/2009 | n/a      |
| barn owl    | n/a               | TF293136 | 24/01/2009 | n/a      |
| barn owl    | Crowland Common   | TF2414   | 25/01/2017 | n/a      |
| barn owl    | Cowbit            | TF21     | 04/08/2019 | 1        |
| barn owl    | Whaplode Fen      | TF       | 09/11/2020 | 1        |
| barn owl    | Great Postland    | TF21     | 07/01/1999 | 1        |
| barn owl    | Sutton St James   | TF       | 05/08/2000 | 3        |
| barn owl    | Sutton St James   | TF       | 20/08/2000 | 1        |
| barn owl    | Sutton St James   | TF       | 03/10/2000 | 1        |
| barn owl    | Holbeach St Johns | TF31P    | 21/10/2000 | 1        |
| barn owl    | Holbeach Fen      | TF       | 31/10/2000 | 1        |
| barn owl    | Holbeach Fen      | TF       | 09/02/2000 | 2        |
| barn owl    | Great Postland    | TF21     | 06/01/2000 | 1        |
| barn owl    | Cowbit            | TF21     | 25/08/2001 | 2        |
| barn owl    | Sutton St James   | TF       | 27/08/2001 | 1        |
| barn owl    | Sutton St James   | TF       | 28/10/2001 | 1        |
| barn owl    | Holbeach St Johns | TF31P    | 03/02/2002 | 1        |
| barn owl    | Holbeach Fen      | TF       | 09/11/2003 | 1        |
| barn owl    | Gedney Hill       | TF31     | 22/12/2007 | 1        |
| barn owl    | Sutton St James   | TF       | 06/11/2007 | 1        |
| barn owl    | Gedney Hill       | TF31     | 14/01/2008 | 1        |
| barn owl    | Gedney Hill       | TF31     | 04/02/2008 | 1        |
| barn owl    | Cowbit            | TF21     | 12/11/2009 | 1        |
| barn owl    | Cowbit            | TF21     | 25/02/2010 | 1        |
| barn owl    | Sutton St James   | TF       | 23/02/2011 | 1        |
| barn owl    | Moulton Chapel    | TF21     | 22/02/2012 | 1        |
| barn owl    | Cowbit            | TF21     | 10/01/2013 | 1        |
| barn owl    | Cowbit            | TF21     | 08/02/2013 | 1        |
| barn owl    | Holbeach Fen      | TF       | 02/01/2017 | 1        |
| barn owl    | Deeping High Bank | TF2515   | 09/01/2021 | 3        |
| barn owl    | Brotherhouse Bar  | TF21M    | 18/02/2021 | 1        |
| barn owl    | Whaplode Fen      | TF       | 22/02/2021 | 1        |
| barn owl    | n/a               | TF2414   | 07/01/2017 | n/a      |
| barn owl    | n/a               | TF251148 | 07/06/2011 | n/a      |
| barn owl    | Sutton St James   | TF       | 08/07/2000 | 3        |
| barn owl    | Holbeach St Johns | TF31P    | 17/03/2002 | 1        |
| barn owl    | Holbeach St Johns | TF31P    | 02/04/2002 | 1        |
| barn owl    | Gedney Hill       | TF31     | 20/04/2007 | 1        |
| barn owl    | Gedney Hill       | TF31     | 10/05/2007 | 1        |
| barn owl    | Gedney Hill       | TF31     | 31/05/2007 | 1        |
| barn owl    | Gedney Hill       | TF31     | 01/06/2007 | 1        |
| barn owl    | Gedney Hill       | TF31     | 21/03/2007 | 2        |
| barn owl    | Holbeach St Johns | TF31P    | 19/03/2008 | 1        |

| common name         | Location             | Grid Ref | Date                      | Quantity |
|---------------------|----------------------|----------|---------------------------|----------|
| barn owl            | Cowbit               | TF21     | 04/06/2008                | 1        |
| barn owl            | Cowbit               | TF21     | 13/05/2009                | 1        |
| barn owl            | Cowbit               | TF21     | 25/06/2010                | 1        |
| barn owl            | Holbeach St Johns    | TF31P    | 22/06/2011                | 2        |
| barn owl            | Cowbit Wash          | TF21     | 03/03/2021                | 1        |
| bittern             | Holbeach St Johns    | TF31P    | 09/11/2018                | 1        |
| black redstart      | Holbeach Drove       | TF31G    | 12/04/2011                | 1        |
| black redstart      | Holbeach St Johns    | TF31P    | 12/04/2011                | 1        |
| black-tailed godwit | Cowbit               | TF21     | 30/04/2007                | 2        |
| brambling           | Holbeach St Johns    | TF31P    | 16/12/2001                | 1        |
| brambling           | Holbeach St Johns    | TF31P    | 13/10/2011                | 1        |
| bullfinch           | n/a                  | TF318130 | 2009                      | n/a      |
| bullfinch           | Gedney Hill          | TF31     | 11/04/2007                | 2        |
| Canada goose        | Cowbit               | TF21     | 18/10/2020                | 5        |
| Canada goose        | Cowbit               | TF21     | 11/01/2020                | 6        |
| Canada goose        | Cowbit               | TF21     | 08/02/2020                | 4        |
| Canada goose        | Cowbit               | TF21     | 08/03/2020                | 60       |
| Canada goose        | Cowbit               | TF21     | 18/07/2010                | 4        |
| Canada goose        | Cowbit               | TF21     | 18/04/2011                | 2        |
| Canada goose        | Cowbit               | TF21     | 07/04/2012                | 4        |
| Canada goose        | Cowbit               | TF21     | 10/03/2013                | 20       |
| Canada goose        | Cowbit               | TF21     | 15/03/2014                | 8        |
| Canada goose        | Cowbit               | TF21     | 17/05/2014                | 17       |
| Canada goose        | Cowbit               | TF21     | 06/12/2014                | 5        |
| Canada goose        | Cowbit               | TF21     | 12/07/2014                | 2        |
| Canada goose        | Cowbit               | TF21     | 15/08/2015                | 3        |
| Canada goose        | Cowbit               | TF21     | 19/07/2015                | 3        |
| Canada goose        | Cowbit               | TF21     | 16/03/2018                | 22       |
| Canada goose        | Cowbit               | TF21     | 15/04/2018                | 2        |
| Canada goose        | Cowbit               | TF21     | 11/08/2018                | 11       |
| Canada goose        | Deeping High Bank    | TF2515   | 27/02/2021                | n/a      |
| Cetti's warbler     | Crowland Falls       | TF2414   | 31/12/2021                | n/a      |
| corn bunting        | n/a                  | TF251152 | May 1996                  | n/a      |
| corn bunting        | n/a                  | TF253155 | May 1996                  | n/a      |
| corn bunting        | n/a                  | TF21P    | 2005 - 2010               | n/a      |
| corn bunting        | n/a                  | TF21N    | 2005 - 2010               | n/a      |
| corn bunting        | n/a                  | TF21P    | 2004 - 2009               | n/a      |
| crane               | Great Postland       | TF21     | 18/09/2011                | 1        |
| cuckoo              | Brotherhouse Bar Pit | TF256148 | 07/05/1994-<br>12/06/1994 | n/a      |
| cuckoo              | Brickyard Wood       | TF2611   | 08/05/1976                | 1        |
| cuckoo              | Brotherhouse Bar     | TF21S    | 13/06/2020                | 1        |
| cuckoo              | Cowbit               | TF21     | 23/04/2007                | 1        |

| common name | Location             | Grid Ref | Date       | Quantity   |
|-------------|----------------------|----------|------------|------------|
| cuckoo      | Holbeach St Johns    | TF31P    | 07/05/2011 | 1          |
| cuckoo      | Holbeach St Johns    | TF31P    | 03/07/2011 | 1          |
| cuckoo      | Gedney Fen           | TF       | 05/05/2013 | 1 (Est.)   |
| cuckoo      | Sutton St James      | TF       | 24/04/2014 | 1          |
| cuckoo      | Sutton St James      | TF       | 26/04/2014 | 1          |
| cuckoo      | Sutton St James      | TF       | 06/06/2017 | 1          |
| cuckoo      | Sutton St James      | TF       | 22/05/2017 | 1          |
| cuckoo      | Sutton St James      | TF       | 25/05/2017 | 2          |
| cuckoo      | Cowbit Wash          | TF21     | 05/06/2021 | 1          |
| cuckoo      | n/a                  | TF254174 | 04/07/2014 | n/a        |
| cuckoo      | n/a                  | TF248147 | 29/05/2022 | n/a        |
| curlew      | Cowbit               | TF21     | 13/12/2010 | 2          |
| fieldfare   | Brotherhouse Bar Pit | TF2514   | 22/10/2010 |            |
| fieldfare   | Whaplode Fen         | TF       | 09/11/2020 | 3          |
| fieldfare   | Whaplode Fen         | TF       | 16/12/2020 | 23         |
| fieldfare   | Sutton St Edmund     | TF31R    | 17/12/2020 | 20         |
| fieldfare   | Brotherhouse Bar     | TF2515   | 03/11/2020 |            |
| fieldfare   | Brotherhouse Bar     | TF2515   | 27/10/2020 |            |
| fieldfare   | Brotherhouse Bar     | TF2515   | 21/03/2020 | 12 (Est.)  |
| fieldfare   | Holbeach Fen         | TF       | 01/01/1999 | 1          |
| fieldfare   | Cowbit               | TF21     | 01/01/2002 | 1 (Est.)   |
| fieldfare   | Shepeau Stow         | TF31A    | 23/12/2002 | 50 (Est.)  |
| fieldfare   | Cowbit               | TF21     | 01/01/2003 | 1 (Est.)   |
| fieldfare   | Cowbit               | TF21     | 01/01/2006 | 1 (Est.)   |
| fieldfare   | Cowbit               | TF21     | 11/02/2006 | 150 (Est.) |
| fieldfare   | Cowbit               | TF21     | 21/01/2007 | 45 (Est.)  |
| fieldfare   | Cowbit               | TF21     | 05/03/2007 | 4          |
| fieldfare   | Cowbit               | TF21     | 06/01/2007 | 3          |
| fieldfare   | Cowbit               | TF21     | 04/01/2008 | 125 (Est.) |
| fieldfare   | Cowbit               | TF21     | 20/01/2009 | 110 (Est.) |
| fieldfare   | Holbeach St Johns    | TF31P    | 25/04/2011 | 1          |
| fieldfare   | Gedney Fen           | TF       | 21/05/2011 | 1          |
| fieldfare   | Holbeach St Johns    | TF31P    | 02/03/2011 | 50 (Est.)  |
| fieldfare   | Holbeach St Johns    | TF31P    | 23/11/2011 | 6          |
| fieldfare   | Holbeach St Johns    | TF31P    | 24/11/2011 | 90 (Est.)  |
| fieldfare   | Holbeach St Johns    | TF31P    | 09/12/2011 | 90 (Est.)  |
| fieldfare   | Holbeach Drove       | TF31G    | 01/04/2011 | 20 (Est.)  |
| fieldfare   | Cowbit               | TF21     | 01/04/2012 | 12         |
| fieldfare   | Fleet Fen            | TF       | 30/03/2013 | 20 (Est.)  |
| fieldfare   | Cowbit               | TF21     | 08/02/2013 | 225 (Est.) |
| fieldfare   | Cowbit               | TF21     | 20/01/2014 | 100 (Est.) |
| fieldfare   | Cowbit               | TF21     | 18/01/2015 | 70 (Est.)  |
| fieldfare   | Cowbit               | TF21     | 15/01/2015 | 6          |
| fieldfare   | Cowbit               | TF21     | 12/01/2018 | 100 (Est.) |

| common name     | Location          | Grid Ref | Date        | Quantity   |
|-----------------|-------------------|----------|-------------|------------|
| fieldfare       | Cowbit            | TF21     | 02/02/2018  | 300 (Est.) |
| fieldfare       | Cowbit            | TF21     | 22/02/2018  | 400 (Est.) |
| fieldfare       | Cowbit            | TF21     | 17/12/2018  | 50         |
| fieldfare       | Cowbit            | TF21     | 01/02/2019  | 15         |
| fieldfare       | Cowbit            | TF21     | 08/01/2019  | 150 (Est.) |
| fieldfare       | Holbeach Fen      | TF       | 17/11/2019  | 1 (Est.)   |
| fieldfare       | Deeping High Bank | TF2515   | 07/01/2021  | n/a        |
| fieldfare       | Whaplode Fen      | TF       | 01/01/2021  | n/a        |
| fieldfare       | Whaplode Fen      | TF       | 21/02/2021  | 27         |
| fieldfare       | Cowbit Wash       | TF21     | 20/12/2021  | 100        |
| fieldfare       | Cowbit Wash       | TF21     | 27/03/2021  | 21         |
| fieldfare       | Cowbit Wash       | TF21     | 27/04/2021  | 20         |
| fieldfare       | Cowbit Wash       | TF21     | 30/04/2021  | 27         |
| goldeneye       | Cowbit            | TF21     | 18/12/2011  | 1          |
| goldeneye       | Cowbit            | TF21     | 12/02/2012  | 2          |
| goldeneye       | Cowbit            | TF21     | 10/03/2013  | 1          |
| goldeneye       | Cowbit            | TF21     | 09/02/2013  | 3          |
| goldeneye       | Crowland          | TF2414   | 31/12/2021  | n/a        |
| goldeneye       | Cowbit Wash       | TF21     | 20/12/2021  | 1          |
| green sandpiper | Cowbit            | TF21     | 11/03/2006  | 1          |
| green sandpiper | Cowbit            | TF21     | 25/03/2008  | 1          |
| green sandpiper | Holbeach St Johns | TF31P    | 12/11/2018  | 1          |
| green sandpiper | Sutton St James   | TF       | 05/02/2019  | 1          |
| grey partridge  | Whaplode Fen      | TF       | 16/12/2020  | 6          |
| grey partridge  | Brotherhouse Bar  | TF2515   | 25/04/2020  | 2          |
| grey partridge  | Fleet Fen         | TF       | 02/04/2010  | 14         |
| grey partridge  | Holbeach St Johns | TF31P    | 24/11/2011  | 14         |
| grey partridge  | Crowland Falls    | TF21L    | 27/11/2021  | 9          |
| grey partridge  | n/a               | TF21V    | 2005 - 2010 | n/a        |
| grey partridge  | n/a               | TF31I    | 2003 - 2008 | n/a        |
| grey partridge  | n/a               | TF21M    | 2003 - 2008 | n/a        |
| grey partridge  | n/a               | TF21M    | 2004 - 2009 | n/a        |
| greylag goose   | Cowbit            | TF21     | 08/03/2020  | 6          |
| greylag goose   | Brotherhouse Bar  | TF2515   | 03/11/2020  |            |
| greylag goose   | Brotherhouse Bar  | TF2515   | 27/10/2020  |            |
| greylag goose   | Brotherhouse Bar  | TF2515   | 14/10/2020  |            |
| greylag goose   | Brotherhouse Bar  | TF2515   | 28/01/2020  |            |
| greylag goose   | Cowbit            | TF21     | 17/01/2010  | 2          |
| greylag goose   | Cowbit            | TF21     | 20/02/2010  | 6          |
| greylag goose   | Cowbit            | TF21     | 15/05/2010  | 2          |
| greylag goose   | Cowbit            | TF21     | 18/04/2010  | 2          |
| greylag goose   | Cowbit            | TF21     | 18/09/2010  | 2          |
| greylag goose   | Holbeach Fen      | TF       | 13/05/2010  | 2          |
| greylag goose   | Cowbit            | TF21     | 13/12/2010  | 200        |

| common name   | Location | Grid Ref | Date       | Quantity |
|---------------|----------|----------|------------|----------|
| greylag goose | Cowbit   | TF21     | 18/07/2010 | 13       |
| greylag goose | Cowbit   | TF21     | 16/08/2010 | 5        |
| greylag goose | Cowbit   | TF21     | 15/07/2011 | 67       |
| greylag goose | Cowbit   | TF21     | 12/06/2011 | 31       |
| greylag goose | Cowbit   | TF21     | 13/05/2011 | 24       |
| greylag goose | Cowbit   | TF21     | 12/03/2011 | 66       |
| greylag goose | Cowbit   | TF21     | 12/02/2011 | 42       |
| greylag goose | Cowbit   | TF21     | 18/04/2011 | 16       |
| greylag goose | Cowbit   | TF21     | 10/03/2012 | 18       |
| greylag goose | Cowbit   | TF21     | 15/12/2012 | 1        |
| greylag goose | Cowbit   | TF21     | 07/04/2012 | 34       |
| greylag goose | Cowbit   | TF21     | 20/05/2012 | 13       |
| greylag goose | Cowbit   | TF21     | 21/07/2012 | 26       |
| greylag goose | Cowbit   | TF21     | 15/01/2012 | 90       |
| greylag goose | Cowbit   | TF21     | 09/02/2013 | 2        |
| greylag goose | Cowbit   | TF21     | 10/03/2013 | 5        |
| greylag goose | Cowbit   | TF21     | 14/04/2013 | 3        |
| greylag goose | Cowbit   | TF21     | 21/07/2013 | 60       |
| greylag goose | Cowbit   | TF21     | 12/05/2013 | 11       |
| greylag goose | Cowbit   | TF21     | 14/06/2014 | 17       |
| greylag goose | Cowbit   | TF21     | 11/10/2014 | 7        |
| greylag goose | Cowbit   | TF21     | 06/12/2014 | 13       |
| greylag goose | Cowbit   | TF21     | 15/03/2014 | 40       |
| greylag goose | Cowbit   | TF21     | 17/05/2014 | 9        |
| greylag goose | Cowbit   | TF21     | 20/04/2014 | 11       |
| greylag goose | Cowbit   | TF21     | 12/07/2014 | 13       |
| greylag goose | Cowbit   | TF21     | 13/12/2015 | 4        |
| greylag goose | Cowbit   | TF21     | 19/07/2015 | 9        |
| greylag goose | Cowbit   | TF21     | 18/10/2015 | 2        |
| greylag goose | Cowbit   | TF21     | 18/12/2016 | 2        |
| greylag goose | Cowbit   | TF21     | 21/12/2016 | 6        |
| greylag goose | Cowbit   | TF21     | 21/02/2016 | 6        |
| greylag goose | Cowbit   | TF21     | 12/03/2016 | 10       |
| greylag goose | Cowbit   | TF21     | 24/07/2016 | 6        |
| greylag goose | Cowbit   | TF21     | 08/05/2016 | 15       |
| greylag goose | Cowbit   | TF21     | 10/04/2016 | 2        |
| greylag goose | Cowbit   | TF21     | 10/02/2017 | 1 (Est.) |
| greylag goose | Cowbit   | TF21     | 11/03/2017 | 12       |
| greylag goose | Cowbit   | TF21     | 09/04/2017 | 15       |
| greylag goose | Cowbit   | TF21     | 14/05/2017 | 12       |
| greylag goose | Cowbit   | TF21     | 13/02/2017 | 19       |
| greylag goose | Cowbit   | TF21     | 18/02/2018 | 14       |
| greylag goose | Cowbit   | TF21     | 20/05/2018 | 8        |
| greylag goose | Cowbit   | TF21     | 14/07/2018 | 6        |

| common name   | Location                          | Grid Ref | Date       | Quantity |
|---------------|-----------------------------------|----------|------------|----------|
| greylag goose | Cowbit                            | TF21     | 21/01/2018 | 12       |
| greylag goose | Cowbit                            | TF21     | 15/04/2018 | 16       |
| greylag goose | Cowbit                            | TF21     | 16/03/2018 | 37       |
| greylag goose | Cowbit                            | TF21     | 17/06/2018 | 15       |
| greylag goose | Cowbit                            | TF21     | 19/05/2019 | 14       |
| greylag goose | Cowbit                            | TF21     | 17/02/2019 | 18       |
| greylag goose | Cowbit                            | TF21     | 21/04/2019 | 8        |
| greylag goose | Cowbit                            | TF21     | 22/03/2019 | 24       |
| greylag goose | Deeping High Bank                 | TF2515   | 01/02/2021 | n/a      |
| greylag goose | Crowland                          | TF2414   | 31/12/2021 | n/a      |
| greylag goose | Deeping High Bank                 | TF2515   | 24/11/2021 | n/a      |
| greylag goose | Deeping High Bank                 | TF2515   | 27/02/2021 | n/a      |
| greylag goose | Brotherhouse Bar                  | TF21M    | 27/02/2021 | n/a      |
| greylag goose | Deeping High Bank                 | TF2515   | 24/02/2021 | n/a      |
| greylag goose | Brotherhouse Bar                  | TF21M    | 18/02/2021 | n/a      |
| greylag goose | Deeping High Bank                 | TF2515   | 05/03/2021 | n/a      |
| greylag goose | Cowbit Wash                       | TF21     | 27/04/2021 | 4        |
| greylag goose | Cowbit Wash                       | TF21     | 11/01/2021 | 14       |
| greylag goose | Cowbit Wash                       | TF21     | 03/03/2021 | 7        |
| greylag goose | Cowbit Wash                       | TF21     | 27/11/2021 | 1        |
| greylag goose | Cowbit Wash                       | TF21     | 27/03/2021 | 4        |
| greylag goose | Cowbit Wash                       | TF21     | 30/04/2021 | 9        |
| hen harrier   | Great Postland                    | TF21     | 05/10/2020 | 1        |
| hen harrier   | Holbeach St Johns                 | TF31P    | 27/02/2011 | 1        |
| hen harrier   | Holbeach St Johns                 | TF31P    | 09/04/2011 | 1        |
| hen harrier   | Holbeach St Johns                 | TF31P    | 14/04/2011 | 1        |
| hen harrier   | Holbeach St Johns                 | TF31P    | 23/03/2012 | 1        |
| hen harrier   | Holbeach Fen                      | TF       | 19/03/2014 | 1        |
| house sparrow | Brotherhouse Bar Pit              | TF256148 | 29/09/1977 | 8        |
| house sparrow | n/a                               | TF318130 | 2009       | n/a      |
| house sparrow | n/a                               | TF338167 | 2009       | n/a      |
| house sparrow | River Welland,<br>Borough Fen     | TF254151 | 25/07/2011 | n/a      |
| house sparrow | New River                         | TF257179 | 20/08/2012 | n/a      |
| house sparrow | South Holland Main<br>Drain, West | TF365175 | 09/08/2012 | n/a      |
| house sparrow | South Holland Main<br>Drain, West | TF373182 | 09/08/2012 | n/a      |
| house sparrow | Lambert Drain                     | TF3211   | 09/06/2014 | n/a      |
| house sparrow | n/a                               | TF294110 | 26/01/2008 | n/a      |
| house sparrow | n/a                               | TF388161 | 26/01/2008 | n/a      |
| house sparrow | n/a                               | TF266184 | 26/01/2008 | n/a      |
| house sparrow | n/a                               | TF369135 | 26/01/2008 | n/a      |
| house sparrow | n/a                               | TF306121 | 26/01/2008 | n/a      |
| house sparrow | n/a                               | TF318121 | 26/01/2008 | n/a      |

| common name   | Location | Grid Ref | Date       | Quantity |
|---------------|----------|----------|------------|----------|
| house sparrow | n/a      | TF328126 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF316124 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF322126 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF343162 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF345182 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF266176 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF347183 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF337110 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF263176 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF326123 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF366119 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF340117 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF343157 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF387156 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF265160 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF339111 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF292136 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF303120 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF262180 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF319121 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF321139 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF280181 | 26/01/2008 | n/a      |
| house sparrow | n/a      | TF306122 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF312139 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF339111 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF381174 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF319122 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF328127 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF293136 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF320121 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF366119 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF389162 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF263175 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF263180 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF343111 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF345183 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF265161 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF266176 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF341117 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF327125 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF264177 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF348183 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF327124 | 24/01/2009 | n/a      |
| house sparrow | n/a      | TF322140 | 24/01/2009 | n/a      |

| common name   | Location                      | Grid Ref | Date       | Quantity   |
|---------------|-------------------------------|----------|------------|------------|
| house sparrow | n/a                           | TF309122 | 24/01/2009 | n/a        |
| house sparrow | n/a                           | TF323127 | 24/01/2009 | n/a        |
| house sparrow | n/a                           | TF334167 | 24/01/2009 | n/a        |
| house sparrow | n/a                           | TF304121 | 24/01/2009 | n/a        |
| house sparrow | n/a                           | TF388157 | 24/01/2009 | n/a        |
| house sparrow | n/a                           | TF272181 | 24/01/2009 | n/a        |
| house sparrow | n/a                           | TF281181 | 24/01/2009 | n/a        |
| house sparrow | Brickyard Wood                | TF2611   | 08/05/1976 | 1          |
| house sparrow | Cowbit                        | TF264173 | 29/11/2019 | n/a        |
| house sparrow | Great Postland                | TF21     | 09/10/2020 | n/a        |
| house sparrow | Cowbit                        | TF21     | 09/10/2020 | n/a        |
| house sparrow | Brotherhouse Bar              | TF21S    | 13/06/2020 | 1          |
| house sparrow | Whaplode Drove                | TF31B    | 07/01/2020 | 10         |
| house sparrow | Whaplode Fen                  | TF       | 09/11/2020 | n/a        |
| house sparrow | Crowland Falls                | TF2414   | 22/03/2020 | n/a        |
| house sparrow | Cowbit                        | TF2518   | 08/10/2020 | n/a        |
| house sparrow | Cowbit Wash                   | TF2618   | 09/10/2020 | n/a        |
| house sparrow | Gedney Hill                   | TF31     | 11/04/2007 | 2          |
| house sparrow | Brotherhouse Bar              | TF21M    | 27/02/2021 | n/a        |
| house sparrow | Whaplode Fen                  | TF       | 21/01/2021 | n/a        |
| house sparrow | Whaplode Fen                  | TF       | 02/01/2021 | n/a        |
| house sparrow | Whaplode Fen                  | TF       | 01/01/2021 | n/a        |
| house sparrow | Whaplode Fen                  | TF       | 30/01/2021 | 23         |
| house sparrow | Cowbit Wash                   | TF21     | 08/05/2021 | 20         |
| house sparrow | Cowbit Wash                   | TF21     | 05/06/2021 | 3          |
| house sparrow | Cowbit Wash                   | TF21     | 10/06/2021 | 2          |
| kingfisher    | Cowbit                        | TF21     | 09/02/2013 | 1          |
| kingfisher    | Cowbit                        | TF21     | 10/02/2017 | 2          |
| kingfisher    | Cowbit                        | TF21     | 06/10/2017 | 1          |
| kingfisher    | Holbeach St Johns             | TF31P    | 12/11/2018 | 1          |
| kingfisher    | Cowbit Wash                   | TF21     | 17/02/2021 | 1          |
| lapwing       | Brotherhouse Bar Pit          | TF256148 | 29/09/1977 | 3          |
| lapwing       | River Welland,<br>Borough Fen | TF256162 | 25/07/2011 | n/a        |
| lapwing       | Cowbit                        | TF21     | 18/10/2020 | 820        |
| lapwing       | Cowbit                        | TF21     | 08/03/2020 | 71         |
| lapwing       | Great Postland                | TF21     | 09/10/2020 | 150        |
| lapwing       | Brotherhouse Bar              | TF21S    | 13/06/2020 | 1          |
| lapwing       | Brotherhouse Bar              | TF2515   | 03/11/2020 | n/a        |
| lapwing       | Brotherhouse Bar              | TF2515   | 30/10/2020 | n/a        |
| lapwing       | Brotherhouse Bar              | TF2515   | 27/10/2020 | n/a        |
| lapwing       | Brotherhouse Bar              | TF2515   | 14/10/2020 | n/a        |
| lapwing       | Brotherhouse Bar              | TF2515   | 28/01/2020 | n/a        |
| lapwing       | Great Postland                | TF2712   | 09/10/2020 | 100 (Min.) |

| common name | Location          | Grid Ref | Date       | Quantity   |
|-------------|-------------------|----------|------------|------------|
| lapwing     | Crowland Falls    | TF2414   | 22/03/2020 | n/a        |
| lapwing     | Shepeau Stow      | TF31A    | 09/02/2000 | 500 (Est.) |
| lapwing     | Holbeach Fen      | TF       | 14/03/2010 | 15 (Est.)  |
| lapwing     | Gedney Hill       | TF31     | 19/06/2010 | 2          |
| lapwing     | Cowbit            | TF21     | 11/10/2010 | 103        |
| lapwing     | Gedney Fen        | TF       | 01/08/2010 | 28         |
| lapwing     | Cowbit            | TF21     | 20/02/2010 | 200        |
| lapwing     | Cowbit            | TF21     | 15/05/2010 | 2          |
| lapwing     | Gedney Fen        | TF       | 17/05/2010 | 2          |
| lapwing     | Gedney Fen        | TF       | 23/05/2010 | 2          |
| lapwing     | Cowbit            | TF21     | 18/04/2010 | 1          |
| lapwing     | Cowbit            | TF21     | 14/03/2010 | 3          |
| lapwing     | Gedney Fen        | TF       | 19/03/2010 | 8          |
| lapwing     | Holbeach Fen      | TF       | 19/03/2010 | 15         |
| lapwing     | Holbeach Fen      | TF       | 06/05/2010 | 2          |
| lapwing     | Holbeach Fen      | TF       | 07/05/2010 | 2          |
| lapwing     | Cowbit            | TF21     | 18/09/2010 | 50         |
| lapwing     | Cowbit            | TF21     | 13/11/2010 | 300        |
| lapwing     | Cowbit            | TF21     | 18/09/2011 | 200        |
| lapwing     | Cowbit            | TF21     | 19/11/2011 | 120        |
| lapwing     | Cowbit            | TF21     | 12/06/2011 | 2          |
| lapwing     | Cowbit            | TF21     | 15/07/2011 | 7          |
| lapwing     | Cowbit            | TF21     | 18/12/2011 | 65         |
| lapwing     | Sutton St James   | TF       | 12/04/2011 | 4          |
| lapwing     | Gedney Fen        | TF       | 22/04/2011 | 4          |
| lapwing     | Holbeach St Johns | TF31P    | 21/06/2011 | 43         |
| lapwing     | Cowbit            | TF21     | 12/02/2011 | 16         |
| lapwing     | Cowbit            | TF21     | 16/01/2011 | 36         |
| lapwing     | Holbeach Fen      | TF       | 17/04/2011 | 14         |
| lapwing     | Sutton St James   | TF       | 23/02/2011 | 70 (Est.)  |
| lapwing     | Cowbit            | TF21     | 16/10/2011 | 25         |
| lapwing     | Cowbit            | TF21     | 21/07/2012 | 1          |
| lapwing     | Cowbit            | TF21     | 16/11/2012 | 12         |
| lapwing     | Sutton St James   | TF       | 24/02/2012 | 50 (Est.)  |
| lapwing     | Cowbit            | TF21     | 18/08/2012 | 130        |
| lapwing     | Cowbit            | TF21     | 14/10/2012 | 267        |
| lapwing     | Cowbit            | TF21     | 12/02/2012 | 4          |
| lapwing     | Cowbit            | TF21     | 20/05/2012 | 2          |
| lapwing     | Holbeach St Johns | TF31P    | 25/03/2012 | 1          |
| lapwing     | Cowbit            | TF21     | 15/12/2012 | 120        |
| lapwing     | Cowbit            | TF21     | 21/09/2013 | 200        |
| lapwing     | Cowbit            | TF21     | 10/11/2013 | 218        |
| lapwing     | Cowbit            | TF21     | 15/12/2013 | 50         |
| lapwing     | Cowbit            | TF21     | 09/02/2013 | 400        |

| common name | Location          | Grid Ref | Date       | Quantity  |
|-------------|-------------------|----------|------------|-----------|
| lapwing     | Cowbit            | TF21     | 24/08/2013 | 35        |
| lapwing     | Gedney Fen        | TF       | 29/03/2013 | 20 (Est.) |
| lapwing     | Cowbit            | TF21     | 12/05/2013 | 1         |
| lapwing     | Cowbit            | TF21     | 06/12/2014 | 1050      |
| lapwing     | Cowbit            | TF21     | 14/06/2014 | 4         |
| lapwing     | Cowbit            | TF21     | 12/07/2014 | 20        |
| lapwing     | Cowbit            | TF21     | 09/08/2014 | 1         |
| lapwing     | Cowbit            | TF21     | 06/09/2014 | 82        |
| lapwing     | Cowbit            | TF21     | 11/10/2014 | 1025      |
| lapwing     | Cowbit            | TF21     | 08/11/2014 | 360       |
| lapwing     | Cowbit            | TF21     | 16/02/2014 | 25        |
| lapwing     | Cowbit            | TF21     | 15/03/2014 | 2         |
| lapwing     | Cowbit            | TF21     | 17/05/2014 | 2         |
| lapwing     | Cowbit            | TF21     | 19/07/2015 | 17        |
| lapwing     | Cowbit            | TF21     | 18/10/2015 | 623       |
| lapwing     | Cowbit            | TF21     | 12/09/2015 | 162       |
| lapwing     | Cowbit            | TF21     | 17/09/2016 | 300       |
| lapwing     | Cowbit            | TF21     | 18/12/2016 | 220       |
| lapwing     | Cowbit            | TF21     | 21/12/2016 | 394       |
| lapwing     | Cowbit            | TF21     | 08/05/2016 | 3         |
| lapwing     | Cowbit            | TF21     | 24/07/2016 | 13        |
| lapwing     | Cowbit            | TF21     | 21/08/2016 | 2         |
| lapwing     | Cowbit            | TF21     | 13/11/2016 | 400       |
| lapwing     | Cowbit            | TF21     | 21/02/2016 | 394       |
| lapwing     | Cowbit            | TF21     | 12/03/2016 | 70        |
| lapwing     | Cowbit            | TF21     | 09/12/2017 | 15        |
| lapwing     | Cowbit            | TF21     | 19/11/2017 | 7         |
| lapwing     | Cowbit            | TF21     | 11/03/2017 | 19        |
| lapwing     | Cowbit            | TF21     | 14/01/2017 | 97        |
| lapwing     | Cowbit            | TF21     | 10/11/2018 | 208       |
| lapwing     | Cowbit            | TF21     | 15/04/2018 | 2         |
| lapwing     | Cowbit            | TF21     | 17/06/2018 | 1         |
| lapwing     | Cowbit            | TF21     | 21/01/2018 | 50        |
| lapwing     | Cowbit            | TF21     | 24/02/2018 | 8         |
| lapwing     | Cowbit            | TF21     | 17/12/2018 | 1 (Est.)  |
| lapwing     | Cowbit            | TF21     | 09/09/2018 | 300       |
| lapwing     | Cowbit            | TF21     | 21/04/2019 | 1         |
| lapwing     | Cowbit            | TF21     | 19/05/2019 | 3         |
| lapwing     | Cowbit            | TF21     | 17/02/2019 | 160       |
| lapwing     | Cowbit            | TF21     | 17/11/2019 | 157       |
| lapwing     | Cowbit            | TF21     | 15/09/2019 | 145       |
| lapwing     | Deeping High Bank | TF2515   | 01/02/2021 |           |
| lapwing     | Crowland          | TF2414   | 31/12/2021 |           |
| lapwing     | Deeping High Bank | TF2515   | 24/11/2021 |           |

| common name    | Location                                    | Grid Ref | Date        | Quantity  |
|----------------|---|----------|-------------|-----------|
| lapwing        | Deeping High Bank                           | TF2515   | 07/01/2021  | n/a       |
| lapwing        | Deeping High Bank                           | TF2515   | 13/02/2021  | n/a       |
| lapwing        | Cowbit Wash                                 | TF21     | 27/04/2021  | 6         |
| lapwing        | Whaplode Fen                                | TF       | 01/01/2021  | n/a       |
| lapwing        | Cowbit Wash                                 | TF21     | 05/06/2021  | 1         |
| lapwing        | Cowbit Wash                                 | TF21     | 27/11/2021  | 8         |
| lapwing        | Cowbit Wash                                 | TF21     | 27/03/2021  | 2         |
| lapwing        | Cowbit Wash                                 | TF21     | 12/06/2021  | 3         |
| lapwing        | n/a   | TF21R    | 2005 - 2010 | n/a       |
| lapwing        | n/a   | TF21P    | 2005 - 2010 | n/a       |
| lapwing        | n/a   | TF21N    | 2005 - 2010 | n/a       |
| lapwing        | n/a   | TF21M    | 2005 - 2010 | n/a       |
| lapwing        | n/a   | TF21L    | 2005 - 2010 | n/a       |
| lapwing        | n/a   | TF21T    | 2005 - 2010 | n/a       |
| lapwing        | n/a   | TF31N    | 2005 - 2010 | n/a       |
| lapwing        | n/a   | TF31I    | 2005 - 2010 | n/a       |
| lapwing        | n/a   | TF31H    | 2005 - 2010 | n/a       |
| lapwing        | n/a   | TF31G    | 2005 - 2010 | n/a       |
| lapwing        | n/a   | TF31U    | 2005 - 2010 | n/a       |
| lapwing        | n/a   | TF31T    | 2005 - 2010 | n/a       |
| lapwing        | n/a   | TF31U    | 2004 - 2009 | n/a       |
| lapwing        | n/a   | TF31N    | 2004 - 2009 | n/a       |
| lapwing        | n/a   | TF31I    | 2004 - 2009 | n/a       |
| lapwing        | n/a   | TF21L    | 2004 - 2009 | n/a       |
| lapwing        | n/a   | TF21L    | 2001 - 2006 | n/a       |
| lapwing        | n/a   | TF21T    | 2004 - 2009 | n/a       |
| lapwing        | n/a   | TF21R    | 2004 - 2009 | n/a       |
| lapwing        | n/a   | TF21P    | 2004 - 2009 | n/a       |
| lapwing        | n/a   | TF21N    | 2004 - 2009 | n/a       |
| lapwing        | n/a   | TF21N    | 2003 - 2008 | n/a       |
| lapwing        | n/a   | TF21M    | 2004 - 2009 | n/a       |
| lesser redpoll | Cowbit                                      | TF21     | 09/10/2020  | 2         |
| lesser redpoll | Whaplode Fen                                | TF       | 28/01/2021  | 4         |
| lesser redpoll | Whaplode Fen                                | TF       | 30/01/2021  | 2         |
| lesser redpoll | Whaplode Fen                                | TF       | 22/02/2021  | 4         |
| linnet         | South Holland Main Drain, West              | TF309155 | 01/08/2012  | n/a       |
| linnet         | Lambert Drain to Highstock Drain Connection | TF31     | 24/09/2013  | 70        |
| linnet         | Brickyard Wood                              | TF2611   | 08/05/1976  | 1         |
| linnet         | Cowbit                                      | TF21     | 09/10/2020  | 4         |
| linnet         | Brotherhouse Bar                            | TF2515   | 25/04/2020  | 10 (Min.) |
| linnet         | Gedney Hill                                 | TF31     | 11/04/2007  | 2         |
| linnet         | Cowbit                                      | TF21     | 27/04/2008  | 1         |

| common name  | Location          | Grid Ref | Date       | Quantity |
|--------------|-------------------|----------|------------|----------|
| linnet       | Gedney Hill       | TF31     | 19/07/2010 | 1        |
| linnet       | Holbeach St Johns | TF31P    | 22/06/2011 | 4        |
| linnet       | Holbeach St Johns | TF31P    | 12/11/2018 | 30       |
| linnet       | Holbeach Fen      | TF       | 17/11/2019 | 1 (Est.) |
| linnet       | Gedney Fen        | TF       | 22/05/2019 | 1 (Est.) |
| linnet       | Crowland          | TF260126 | 13/10/2020 | n/a      |
| linnet       | Whaplode Fen      | TF       | 25/02/2021 | 18       |
| linnet       | Cowbit Wash       | TF21     | 12/06/2021 | 4        |
| little egret | Cowbit            | TF21     | 11/01/2020 | 1        |
| little egret | Cowbit            | TF21     | 08/02/2020 | 1        |
| little egret | Cowbit            | TF21     | 17/11/2020 | 1        |
| little egret | Whaplode Drove    | TF31B    | 07/01/2020 | 1        |
| little egret | Sutton St Edmund  | TF31R    | 17/12/2020 | 4        |
| little egret | Brotherhouse Bar  | TF2515   | 28/01/2020 |          |
| little egret | Cowbit            | TF21     | 11/02/2006 | 2        |
| little egret | Cowbit            | TF21     | 17/01/2010 | 1        |
| little egret | Holbeach St Johns | TF31P    | 09/08/2011 | 1        |
| little egret | Holbeach St Johns | TF31P    | 12/08/2011 | 1        |
| little egret | Cowbit            | TF21     | 19/11/2011 | 1        |
| little egret | Holbeach St Johns | TF31P    | 07/10/2011 | 1        |
| little egret | Holbeach St Johns | TF31P    | 12/10/2011 | 2        |
| little egret | Holbeach St Johns | TF31P    | 27/02/2011 | 3        |
| little egret | Cowbit            | TF21     | 15/09/2012 | 1        |
| little egret | Cowbit            | TF21     | 15/12/2012 | 2        |
| little egret | Cowbit            | TF21     | 16/11/2012 | 3        |
| little egret | Holbeach St Johns | TF31P    | 17/01/2012 | 1        |
| little egret | Cowbit            | TF21     | 09/02/2013 | 2        |
| little egret | Cowbit            | TF21     | 12/01/2013 | 8        |
| little egret | Cowbit            | TF21     | 06/01/2014 | 3        |
| little egret | Cowbit            | TF21     | 13/12/2015 | 2        |
| little egret | Cowbit            | TF21     | 15/11/2015 | 3        |
| little egret | Cowbit            | TF21     | 15/01/2015 | 1        |
| little egret | Cowbit            | TF21     | 17/01/2016 | 2        |
| little egret | Cowbit            | TF21     | 13/11/2016 | 1        |
| little egret | Cowbit            | TF21     | 21/12/2016 | 1        |
| little egret | Cowbit            | TF21     | 17/09/2016 | 2        |
| little egret | Cowbit            | TF21     | 21/02/2016 | 1        |
| little egret | Cowbit            | TF21     | 13/02/2017 | 2        |
| little egret | Cowbit            | TF21     | 10/11/2018 | 1        |
| little egret | Cowbit            | TF21     | 23/01/2018 | 2        |
| little egret | Cowbit            | TF21     | 12/01/2018 | 1        |
| little egret | Cowbit            | TF21     | 22/02/2018 | 1        |
| little egret | Cowbit            | TF21     | 21/01/2018 | 1        |
| little egret | Cowbit            | TF21     | 17/11/2019 | 1        |

| common name      | Location          | Grid Ref | Date       | Quantity |
|------------------|-------------------|----------|------------|----------|
| little egret     | Cowbit            | TF21     | 20/01/2019 | 1        |
| little egret     | Deeping High Bank | TF2515   | 24/11/2021 | n/a      |
| little egret     | Deeping High Bank | TF2515   | 24/02/2021 | n/a      |
| little egret     | Deeping High Bank | TF2515   | 27/02/2021 | n/a      |
| little egret     | Deeping High Bank | TF2515   | 13/02/2021 | n/a      |
| little egret     | Whaplode Fen      | TF       | 01/01/2021 | 1        |
| little egret     | Cowbit Wash       | TF21     | 11/01/2021 | 1        |
| little egret     | Cowbit Wash       | TF21     | 20/12/2021 | 1        |
| little egret     | Cowbit            | TF21     | 08/03/2020 | 2        |
| little egret     | Brotherhouse Bar  | TF2515   | 20/03/2020 | 2        |
| little egret     | Great Postland    | TF21     | 10/03/2009 | 1        |
| little egret     | Gedney Fen        | TF       | 16/04/2011 | 1        |
| little egret     | Cowbit            | TF21     | 20/05/2012 | 1        |
| little egret     | Sutton St James   | TF       | 26/03/2013 | 1 (Est.) |
| little egret     | Cowbit            | TF21     | 07/03/2013 | 2        |
| little egret     | Cowbit            | TF21     | 15/03/2014 | 1        |
| little egret     | Cowbit            | TF21     | 21/04/2015 | 1        |
| little egret     | Cowbit            | TF21     | 12/03/2016 | 7        |
| little egret     | Cowbit            | TF21     | 08/05/2016 | 2        |
| little egret     | Cowbit            | TF21     | 16/03/2018 | 1        |
| little egret     | Cowbit            | TF21     | 20/05/2018 | 1        |
| little egret     | Gedney Fen        | TF       | 10/04/2019 | 1 (Est.) |
| little egret     | Cowbit Wash       | TF21     | 03/03/2021 | 1        |
| long-tailed duck | Cowbit            | TF21     | 13/02/2017 | 1        |
| long-tailed duck | Cowbit            | TF21     | 11/03/2017 | 1        |
| marsh harrier    | Moulton Chapel    | TF21     | 08/10/2020 | 2        |
| marsh harrier    | Great Postland    | TF21     | 09/10/2020 | 2        |
| marsh harrier    | Moulton Chapel    | TF21     | 08/10/2020 | 3        |
| marsh harrier    | Weston Fen        | TF2716   | 08/10/2020 | 3        |
| marsh harrier    | Cowbit            | TF21     | 05/08/2002 | 2        |
| marsh harrier    | Great Postland    | TF21     | 17/10/2008 | 1        |
| marsh harrier    | Great Postland    | TF21     | 11/01/2008 | 1        |
| marsh harrier    | Holbeach St Johns | TF31P    | 04/09/2011 | 1        |
| marsh harrier    | Holbeach St Johns | TF31P    | 21/09/2011 | 1        |
| marsh harrier    | Holbeach St Johns | TF31P    | 09/09/2011 | 2        |
| marsh harrier    | Sutton St James   | TF       | 12/08/2013 | 1        |
| marsh harrier    | Gedney Fen        | TF       | 18/09/2013 | 1        |
| marsh harrier    | Cowbit            | TF21     | 15/12/2013 | 1        |
| marsh harrier    | Moulton Chapel    | TF21     | 18/11/2013 | 1        |
| marsh harrier    | Cowbit            | TF21     | 21/08/2016 | 1        |
| marsh harrier    | Cowbit            | TF21     | 10/11/2018 | 1        |
| marsh harrier    | Whaplode Fen      | TF       | 28/01/2021 | 1        |
| marsh harrier    | Cowbit            | TF21     | 22/07/1999 | 1        |
| marsh harrier    | Holbeach St Johns | TF31P    | 22/06/2011 | 2        |

| common name   | Location          | Grid Ref | Date       | Quantity |
|---------------|-------------------|----------|------------|----------|
| marsh harrier | Holbeach St Johns | TF31P    | 27/07/2011 | 3 (Est.) |
| marsh harrier | Holbeach St Johns | TF31P    | 25/04/2011 | 4 (Est.) |
| marsh harrier | Holbeach Fen      | TF       | 21/06/2011 | 1        |
| marsh harrier | Holbeach St Johns | TF31P    | 05/05/2011 | 1        |
| marsh harrier | Cowbit            | TF21     | 13/05/2011 | 1        |
| marsh harrier | Holbeach St Johns | TF31P    | 04/05/2011 | 2        |
| marsh harrier | Holbeach St Johns | TF31P    | 17/05/2011 | 2        |
| marsh harrier | Cowbit            | TF21     | 12/03/2011 | 1        |
| marsh harrier | Holbeach St Johns | TF31P    | 04/04/2011 | 1        |
| marsh harrier | Holbeach St Johns | TF31P    | 09/04/2011 | 1        |
| marsh harrier | Holbeach St Johns | TF31P    | 30/07/2011 | 1        |
| marsh harrier | Cowbit            | TF21     | 20/05/2012 | 1        |
| marsh harrier | Cowbit            | TF21     | 21/04/2014 | 1        |
| marsh harrier | Cowbit            | TF21     | 17/06/2018 | 1        |
| marsh harrier | Cowbit            | TF21     | 15/04/2018 | 1        |
| marsh harrier | Gedney Fen        | TF       | 10/04/2019 | 1 (Est.) |
| merlin        | Cowbit            | TF21     | 09/12/2008 | 1        |
| merlin        | Holbeach St Johns | TF31P    | 04/09/2011 | 1        |
| merlin        | Cowbit            | TF21     | 21/01/2018 | 1        |
| peregrine     | Holbeach St Johns | TF31P    | 21/09/2011 | 1        |
| peregrine     | Holbeach St Johns | TF31P    | 05/10/2011 | 1        |
| peregrine     | Holbeach St Johns | TF31P    | 03/12/2011 | 2        |
| peregrine     | Holbeach St Johns | TF31P    | 21/02/2011 | 1        |
| peregrine     | Whaplode Fen      | TF       | 24/02/2021 | 1        |
| peregrine     | Whaplode Fen      | TF       | 27/02/2021 | 1        |
| peregrine     | Fleet Fen         | TF       | 08/03/2011 | 1        |
| peregrine     | Holbeach St Johns | TF31P    | 05/03/2011 | 1        |
| red kite      | Brotherhouse Bar  | TF2515   | 27/10/2020 |          |
| red kite      | Cowbit            | TF21     | 19/11/2017 | 1        |
| red kite      | Cowbit            | TF21     | 17/02/2019 | 1        |
| red kite      | Crowland          | TF2414   | 31/12/2021 | n/a      |
| red kite      | Brotherhouse Bar  | TF21S    | 15/10/2021 | 1        |
| red kite      | Brotherhouse Bar  | TF21S    | 13/06/2020 | 1        |
| red kite      | Brotherhouse Bar  | TF2515   | 21/03/2020 | 1        |
| red kite      | Cowbit            | TF21     | 15/03/2014 | 1        |
| red kite      | Holbeach St Johns | TF31P    | 08/06/2017 | 2        |
| red kite      | Sutton St James   | TF       | 08/06/2017 | 2        |
| red kite      | Cowbit            | TF21     | 14/07/2018 | 1        |
| red kite      | Gedney Fen        | TF       | 22/05/2019 | 2        |
| red kite      | Cowbit Wash       | TF21     | 05/06/2021 | 1        |
| redshank      | Cowbit            | TF21     | 01/01/2002 | 3        |
| redshank      | Cowbit            | TF21     | 17/01/2010 | 15       |
| redshank      | Cowbit            | TF21     | 18/04/2010 | 1        |
| redshank      | Cowbit            | TF21     | 18/12/2011 | 2        |

| common name        | Location             | Grid Ref | Date                      | Quantity  |
|--------------------|----------------------|----------|---------------------------|-----------|
| redshank           | Cowbit               | TF21     | 15/01/2012                | 2         |
| redshank           | Cowbit               | TF21     | 15/12/2012                | 12        |
| redshank           | Cowbit               | TF21     | 09/02/2013                | 6         |
| redshank           | Cowbit               | TF21     | 10/11/2013                | 2         |
| redshank           | Cowbit               | TF21     | 10/03/2013                | 2         |
| redshank           | Cowbit               | TF21     | 12/01/2013                | 17        |
| redshank           | Cowbit               | TF21     | 08/02/2013                | 3         |
| redshank           | Cowbit               | TF21     | 06/01/2014                | 3         |
| redshank           | Cowbit               | TF21     | 17/02/2019                | 1         |
| red-throated diver | Deeping High Bank    | TF2515   | 27/02/2021                | 1         |
| red-throated diver | Deeping High Bank    | TF2515   | 13/02/2021                | 1         |
| redwing            | Brotherhouse Bar Pit | TF2514   | 22/10/2010                | n/a       |
| redwing            |                      | TF338167 | 2009                      | n/a       |
| redwing            | Whaplode Fen         | TF       | 09/11/2020                | n/a       |
| redwing            | Whaplode Fen         | TF       | 27/11/2020                | 7         |
| redwing            | Brotherhouse Bar     | TF2515   | 27/10/2020                | n/a       |
| redwing            | Cowbit               | TF21     | 01/01/2002                | 1         |
| redwing            | Cowbit               | TF21     | 01/01/2003                | 1 (Est.)  |
| redwing            | Cowbit               | TF21     | 01/01/2006                | 1 (Est.)  |
| redwing            | Cowbit               | TF21     | 06/01/2007                | 3         |
| redwing            | Cowbit               | TF21     | 09/03/2008                | 9         |
| redwing            | Cowbit               | TF21     | 20/01/2009                | 1         |
| redwing            | Holbeach St Johns    | TF31P    | 14/10/2011                | 50 (Est.) |
| redwing            | Holbeach St Johns    | TF31P    | 23/11/2011                | 1         |
| redwing            | Cowbit               | TF21     | 08/02/2013                | 4 (Est.)  |
| redwing            | Cowbit               | TF21     | 18/01/2015                | 70 (Est.) |
| redwing            | Cowbit               | TF21     | 15/01/2015                | 1         |
| redwing            | Cowbit               | TF21     | 02/02/2018                | 1 (Est.)  |
| redwing            | Cowbit               | TF21     | 17/12/2018                | 2         |
| redwing            | Cowbit               | TF21     | 08/01/2019                | 20 (Est.) |
| redwing            | Whaplode Fen         | TF       | 24/03/2021                | 6         |
| redwing            | Whaplode Fen         | TF       | 02/01/2021                | 7         |
| redwing            | Whaplode Fen         | TF       | 05/01/2021                | 2         |
| redwing            | Cowbit Wash          | TF21     | 20/12/2021                | 50        |
| reed bunting       | Brotherhouse Bar Pit | TF256148 | 07/05/1994-<br>12/06/1994 | n/a       |
| reed bunting       | New River            | TF253148 | 23/08/2012                | n/a       |
| reed bunting       | New River            | TF2616   | 05/06/1995                | n/a       |
| reed bunting       | Fleet Drain          | TF342131 | 12/09/2013                | n/a       |
| reed bunting       | Fleet Drain          | TF347140 | 12/09/2013                | n/a       |
| reed bunting       | Fleet Drain          | TF356157 | 12/09/2013                | n/a       |

| common name  | Location                                    | Grid Ref | Date                  | Quantity  |
|--------------|---|----------|-----------------------|-----------|
| reed bunting | Lambert Drain to Highstock Drain Connection | TF31     | 09/06/2014            | n/a       |
| reed bunting | Lambert Drain                               | TF3111   | 09/06/2014            | n/a       |
| reed bunting | n/a   | TF339111 | 24/01/2009-25/01/2009 | n/a       |
| reed bunting | Great Postland                              | TF21     | 09/10/2020            | 1         |
| reed bunting | Brotherhouse Bar                            | TF21S    | 13/06/2020            | 1         |
| reed bunting | Brotherhouse Bar                            | TF2515   | 25/04/2020            | 6 (Min.)  |
| reed bunting | Brotherhouse Bar                            | TF2515   | 25/04/2020            | 6         |
| reed bunting | Cowbit                                      | TF21     | 25/02/2006            | 60        |
| reed bunting | Gedney Hill                                 | TF31     | 10/05/2007            | 1         |
| reed bunting | Holbeach St Johns                           | TF31P    | 22/06/2011            | 6         |
| reed bunting | Sutton St James                             | TF       | 01/04/2012            | 5         |
| reed bunting | Holbeach St Johns                           | TF31P    | 12/11/2018            | 12        |
| reed bunting | Holbeach Fen                                | TF       | 17/11/2019            | 1 (Est.)  |
| reed bunting | Brotherhouse Bar                            | TF21M    | 27/02/2021            | n/a       |
| reed bunting | Brotherhouse Bar                            | TF21M    | 18/02/2021            | n/a       |
| reed bunting | Cowbit Wash                                 | TF21     | 05/06/2021            | 1         |
| reed bunting | Cowbit Wash                                 | TF21     | 10/06/2021            | 1         |
| skylark      | Lambert Drain                               | TF319110 | 13/09/2013            |           |
| skylark      | Cowbit                                      | TF21     | 09/10/2020            | 2         |
| skylark      | Great Postland                              | TF21     | 09/10/2020            | 2         |
| skylark      | Great Postland                              | TF21     | 09/10/2020            |           |
| skylark      | Cowbit                                      | TF21     | 09/10/2020            | 3         |
| skylark      | Brotherhouse Bar                            | TF21S    | 13/06/2020            | 1         |
| skylark      | Whaplode Fen                                | TF       | 31/12/2020            | 2         |
| skylark      | Whaplode Fen                                | TF       | 09/11/2020            | 2         |
| skylark      | Whaplode Fen                                | TF       | 27/11/2020            | 1         |
| skylark      | Brotherhouse Bar                            | TF2515   | 30/10/2020            |           |
| skylark      | Brotherhouse Bar                            | TF2515   | 21/03/2020            |           |
| skylark      | Brotherhouse Bar                            | TF2515   | 20/03/2020            |           |
| skylark      | Gedney Hill                                 | TF31     | 07/05/2010            | 3         |
| skylark      | Gedney Fen                                  | TF       | 13/03/2010            | 1         |
| skylark      | Gedney Fen                                  | TF       | 19/03/2010            | 2         |
| skylark      | Sutton St James                             | TF       | 28/03/2010            | 2         |
| skylark      | Gedney Fen                                  | TF       | 01/08/2010            | 1         |
| skylark      | Sutton St James                             | TF       | 12/04/2011            | 2         |
| skylark      | Holbeach St Johns                           | TF31P    | 05/10/2011            | 4         |
| skylark      | Holbeach St Johns                           | TF31P    | 22/06/2011            | 6         |
| skylark      | Holbeach St Johns                           | TF31P    | 06/10/2011            | 7         |
| skylark      | Holbeach St Johns                           | TF31P    | 04/10/2011            | 10 (Est.) |
| skylark      | Sutton St James                             | TF       | 01/04/2012            | 16        |
| skylark      | Holbeach St Johns                           | TF31P    | 25/03/2012            | 3 (Est.)  |
| skylark      | Sutton St James                             | TF       | 31/03/2013            | 1 (Est.)  |

| common name | Location             | Grid Ref | Date                      | Quantity |
|-------------|----------------------|----------|---------------------------|----------|
| skylark     | Holbeach St Johns    | TF31P    | 12/11/2018                | 40       |
| skylark     | Gedney Fen           | TF       | 22/05/2019                | 1 (Est.) |
| skylark     | Gedney Fen           | TF       | 10/04/2019                | 1 (Est.) |
| skylark     | Deeping High Bank    | TF2515   | 24/02/2021                | n/a      |
| skylark     | Deeping High Bank    | TF2515   | 27/02/2021                | n/a      |
| skylark     | Whaplode Fen         | TF       | 28/01/2021                | 2        |
| skylark     | Whaplode Fen         | TF       | 25/02/2021                | 1        |
| snipe       | Cowbit               | TF21     | 01/01/2002                | 4        |
| snipe       | Holbeach St Johns    | TF31P    | 24/04/2011                | 1        |
| snipe       | Cowbit               | TF21     | 24/08/2013                | 1        |
| snipe       | Cowbit Wash          | TF21     | 27/03/2021                | 1        |
| song thrush | Brotherhouse Bar Pit | TF256148 | 29/09/1977                | n/a      |
| song thrush | Brotherhouse Bar Pit | TF256148 | 07/05/1994-<br>12/06/1994 | n/a      |
| song thrush | n/a                  | TF318130 | 2009                      | n/a      |
| song thrush | n/a                  | TF338167 | 2009                      | n/a      |
| song thrush | n/a                  | TF304121 | 25/01/2009                | n/a      |
| song thrush | n/a                  | TF263180 | 25/01/2009                | n/a      |
| song thrush | n/a                  | TF328127 | 25/01/2009                | n/a      |
| song thrush | Brickyard Wood       | TF2611   | 08/05/1976                | 2        |
| song thrush | Whaplode Fen         | TF       | 16/12/2020                | 1        |
| song thrush | Cowbit               | TF21     | 01/01/2006                | 1 (Est.) |
| song thrush | Gedney Hill          | TF31     | 11/04/2007                | 1        |
| song thrush | Holbeach St Johns    | TF31P    | 13/10/2011                | 3        |
| song thrush | Whaplode Fen         | TF       | 05/01/2021                | 1        |
| starling    | Brotherhouse Bar Pit | TF256148 | 29/09/1977                | 75       |
| starling    | n/a                  | TF318130 | 2009                      | n/a      |
| starling    | n/a                  | TF338167 | 2009                      | n/a      |
| starling    | n/a                  | TF294110 | 26/01/2008                | n/a      |
| starling    | n/a                  | TF388161 | 26/01/2008                | n/a      |
| starling    | n/a                  | TF266184 | 26/01/2008                | n/a      |
| starling    | n/a                  | TF369135 | 26/01/2008                | n/a      |
| starling    | n/a                  | TF306121 | 26/01/2008                | n/a      |
| starling    | n/a                  | TF318121 | 26/01/2008                | n/a      |
| starling    | n/a                  | TF328126 | 26/01/2008                | n/a      |
| starling    | n/a                  | TF316124 | 26/01/2008                | n/a      |
| starling    | n/a                  | TF322126 | 26/01/2008                | n/a      |
| starling    | n/a                  | TF266176 | 26/01/2008                | n/a      |
| starling    | n/a                  | TF347183 | 26/01/2008                | n/a      |
| starling    | n/a                  | TF337110 | 26/01/2008                | n/a      |
| starling    | n/a                  | TF263176 | 26/01/2008                | n/a      |
| starling    | n/a                  | TF326123 | 26/01/2008                | n/a      |
| starling    | n/a                  | TF319121 | 26/01/2008                | n/a      |
| starling    | n/a                  | TF366119 | 26/01/2008                | n/a      |

| common name | Location       | Grid Ref | Date       | Quantity |
|-------------|----------------|----------|------------|----------|
| starling    | n/a            | TF340117 | 26/01/2008 | n/a      |
| starling    | n/a            | TF343157 | 26/01/2008 | n/a      |
| starling    | n/a            | TF387156 | 26/01/2008 | n/a      |
| starling    | n/a            | TF345182 | 26/01/2008 | n/a      |
| starling    | n/a            | TF265160 | 26/01/2008 | n/a      |
| starling    | n/a            | TF292136 | 26/01/2008 | n/a      |
| starling    | n/a            | TF303120 | 26/01/2008 | n/a      |
| starling    | n/a            | TF262180 | 26/01/2008 | n/a      |
| starling    | n/a            | TF321139 | 26/01/2008 | n/a      |
| starling    | n/a            | TF280181 | 26/01/2008 | n/a      |
| starling    | n/a            | TF306122 | 24/01/2009 | n/a      |
| starling    | n/a            | TF327124 | 24/01/2009 | n/a      |
| starling    | n/a            | TF263180 | 24/01/2009 | n/a      |
| starling    | n/a            | TF369136 | 24/01/2009 | n/a      |
| starling    | n/a            | TF272181 | 24/01/2009 | n/a      |
| starling    | n/a            | TF293136 | 24/01/2009 | n/a      |
| starling    | n/a            | TF389162 | 24/01/2009 | n/a      |
| starling    | n/a            | TF263175 | 24/01/2009 | n/a      |
| starling    | n/a            | TF264177 | 24/01/2009 | n/a      |
| starling    | n/a            | TF328127 | 24/01/2009 | n/a      |
| starling    | n/a            | TF312139 | 24/01/2009 | n/a      |
| starling    | n/a            | TF320121 | 24/01/2009 | n/a      |
| starling    | n/a            | TF345183 | 24/01/2009 | n/a      |
| starling    | n/a            | TF266176 | 24/01/2009 | n/a      |
| starling    | n/a            | TF339111 | 24/01/2009 | n/a      |
| starling    | n/a            | TF341117 | 24/01/2009 | n/a      |
| starling    | n/a            | TF327125 | 24/01/2009 | n/a      |
| starling    | n/a            | TF381174 | 24/01/2009 | n/a      |
| starling    | n/a            | TF348183 | 24/01/2009 | n/a      |
| starling    | n/a            | TF322140 | 24/01/2009 | n/a      |
| starling    | n/a            | TF309122 | 24/01/2009 | n/a      |
| starling    | n/a            | TF343111 | 24/01/2009 | n/a      |
| starling    | n/a            | TF323127 | 24/01/2009 | n/a      |
| starling    | n/a            | TF388157 | 24/01/2009 | n/a      |
| starling    | n/a            | TF281181 | 24/01/2009 | n/a      |
| starling    | n/a            | TF343157 | 24/01/2009 | n/a      |
| starling    | n/a            | TF304121 | 24/01/2009 | n/a      |
| starling    | Brickyard Wood | TF2611   | 08/05/1976 | 1        |
| starling    | Cowbit         | TF264173 | 29/11/2019 | n/a      |
| starling    | Great Postland | TF21     | 09/10/2020 | n/a      |
| starling    | Cowbit         | TF21     | 09/10/2020 | n/a      |
| starling    | Moulton Fen    | TF       | 08/10/2020 | 50       |
| starling    | Welland Farm   | TF2517   | 07/06/2020 | 300      |
| starling    | Whaplode Drove | TF31B    | 07/01/2020 | 2        |

| common name | Location                       | Grid Ref | Date       | Quantity   |
|-------------|--------------------------------|----------|------------|------------|
| starling    | Sutton St Edmund               | TF31R    | 17/12/2020 | 20         |
| starling    | Brotherhouse Bar               | TF2515   | 30/10/2020 | n/a        |
| starling    | Brotherhouse Bar               | TF2515   | 14/10/2020 | n/a        |
| starling    | Brotherhouse Bar               | TF2515   | 21/03/2020 | n/a        |
| starling    | Brotherhouse Bar               | TF2515   | 20/03/2020 | n/a        |
| starling    | Cowbit                         | TF2518   | 08/10/2020 | n/a        |
| starling    | Crowland Falls                 | TF2414   | 22/03/2020 | n/a        |
| starling    | Gedney Hill                    | TF31     | 31/05/2007 | 15 (Est.)  |
| starling    | Gedney Hill                    | TF31     | 20/04/2007 | 1          |
| starling    | Gedney Hill                    | TF31     | 10/05/2007 | 3          |
| starling    | Sutton St James                | TF       | 27/10/2007 | 50 (Est.)  |
| starling    | Sutton St James                | TF       | 05/11/2007 | 70 (Est.)  |
| starling    | Gedney Fen                     | TF       | 01/08/2010 | 6          |
| starling    | Sutton St James                | TF       | 13/03/2010 | 40 (Est.)  |
| starling    | Sutton St James                | TF       | 16/03/2010 | 15 (Est.)  |
| starling    | Gedney Fen                     | TF       | 19/03/2010 | 20 (Est.)  |
| starling    | Sutton St James                | TF       | 28/03/2010 | 20 (Est.)  |
| starling    | Gedney Hill                    | TF31     | 07/05/2010 | 10 (Est.)  |
| starling    | Holbeach Fen                   | TF       | 19/03/2010 | 14         |
| starling    | Holbeach St Johns              | TF31P    | 27/08/2011 | 350 (Est.) |
| starling    | Fleet Fen                      | TF       | 02/04/2013 | 60 (Est.)  |
| starling    | Gedney Fen                     | TF       | 22/04/2013 | 1 (Est.)   |
| starling    | Fleet Fen                      | TF       | 30/03/2013 | 30 (Est.)  |
| starling    | Cowbit                         | TF21     | 17/12/2018 | 25         |
| starling    | Deeping High Bank              | TF2515   | 01/02/2021 | n/a        |
| starling    | Brotherhouse Bar               | TF21M    | 27/02/2021 | n/a        |
| starling    | Deeping High Bank              | TF2515   | 24/11/2021 | n/a        |
| starling    | Deeping High Bank              | TF2515   | 05/03/2021 | n/a        |
| starling    | Deeping High Bank              | TF2515   | 24/02/2021 | n/a        |
| starling    | Deeping High Bank              | TF2515   | 27/02/2021 | n/a        |
| starling    | Cowbit Wash                    | TF21     | 24/10/2021 | 50         |
| starling    | Whaplode Fen                   | TF       | 01/01/2021 | 3          |
| starling    | Cowbit Wash                    | TF21     | 20/12/2021 | 2          |
| starling    | Cowbit Wash                    | TF21     | 08/05/2021 | 2          |
| starling    | Cowbit Wash                    | TF21     | 12/06/2021 | 25         |
| starling    | Cowbit Wash                    | TF21     | 05/06/2021 | 25         |
| starling    | Cowbit Wash                    | TF21     | 27/03/2021 | 100        |
| starling    | Cowbit Wash                    | TF21     | 10/06/2021 | 255        |
| swift       | Cowbit                         | TF2618   | 2003       | 10-12      |
| swift       | n/a                            | TF318130 | 2009       | n/a        |
| swift       | South Holland Main Drain, West | TF359165 | 01/08/2012 | n/a        |
| swift       | Brotherhouse Bar               | TF21S    | 13/06/2020 | 1          |
| swift       | Cowbit                         | TF21     | 30/04/2007 | 1          |

| common name  | Location          | Grid Ref | Date        | Quantity |
|--------------|-------------------|----------|-------------|----------|
| swift        | Holbeach St Johns | TF31P    | 10/05/2011  | 2        |
| swift        | Holbeach St Johns | TF31P    | 26/08/2011  | 2        |
| swift        | Holbeach St Johns | TF31P    | 30/07/2011  | 30       |
| swift        | Cowbit            | TF21     | 07/05/2012  | 2        |
| swift        | Cowbit            | TF21     | 02/05/2013  | 1        |
| swift        | Gedney Fen        | TF       | 22/05/2019  | 2        |
| swift        | Cowbit Wash       | TF21     | 10/06/2021  | 5        |
| swift        | Cowbit Wash       | TF21     | 12/06/2021  | 2        |
| swift        | n/a               | TF343157 | 2010        | 6        |
| swift        | n/a               | TF346120 | 2010        | 10       |
| swift        | n/a               | TF338172 | 29/06/2013  | 3        |
| swift        | n/a               | TF300115 | 23/07/2016  | 5        |
| swift        | n/a               | TF273180 | 22/06/2017  | 3        |
| swift        | n/a               | TF273180 | 11/07/2018  | 5        |
| swift        | n/a               | TF255165 | 24/06/2020  | 40       |
| swift        | n/a               | TF259150 | 28/07/2020  | 14       |
| swift        | n/a               | TF346120 | 2010        | 2 Nest   |
| tree sparrow | n/a               | TF338167 | 2009        | n/a      |
| tree sparrow | Brickyard Wood    | TF2611   | 08/05/1976  | 1        |
| tree sparrow | Whaplode Drove    | TF31B    | 07/01/2020  | 1        |
| tree sparrow | Holbeach St Johns | TF31P    | 09/12/2011  | 3        |
| tree sparrow | Holbeach St Johns | TF31P    | 22/06/2011  | 1        |
| tree sparrow | Holbeach St Johns | TF31P    | 07/09/2011  | 1        |
| tree sparrow | Holbeach St Johns | TF31P    | 20/02/2011  | 13       |
| tree sparrow | Holbeach St Johns | TF31P    | 09/09/2011  | 4        |
| tree sparrow | n/a               | TF21N    | 2005 - 2010 | n/a      |
| tree sparrow | n/a               | TF21V    | 2005 - 2010 | n/a      |
| tree sparrow | n/a               | TF31I    | 2005 - 2010 | n/a      |
| tree sparrow | n/a               | TF31Z    | 2005 - 2010 | n/a      |
| tree sparrow | n/a               | TF31U    | 2005 - 2010 | n/a      |
| tree sparrow | n/a               | TF31S    | 2005 - 2010 | n/a      |
| tree sparrow | n/a               | TF31Z    | 2004 - 2009 | n/a      |
| tree sparrow | n/a               | TF31U    | 2004 - 2009 | n/a      |
| tree sparrow | n/a               | TF31R    | 2004 - 2009 | n/a      |
| tree sparrow | n/a               | TF31H    | 2004 - 2009 | n/a      |
| tree sparrow | n/a               | TF31G    | 2004 - 2009 | n/a      |
| tree sparrow | n/a               | TF31J    | 2004 - 2009 | n/a      |
| tree sparrow | n/a               | TF31I    | 2004 - 2009 | n/a      |
| tree sparrow | n/a               | TF31I    | 2003 - 2008 | n/a      |
| tree sparrow | n/a               | TF21L    | 2001 - 2006 | n/a      |
| tree sparrow | n/a               | TF21K    | 2004 - 2009 | n/a      |
| tree sparrow | n/a               | TF21K    | 2003 - 2008 | n/a      |
| tree sparrow | n/a               | TF21K    | 2001 - 2006 | n/a      |
| tree sparrow | n/a               | TF21U    | 2004 - 2009 | n/a      |

| common name  | Location          | Grid Ref | Date        | Quantity   |
|--------------|-------------------|----------|-------------|------------|
| tree sparrow | n/a               | TF21W    | 2004 - 2009 | n/a        |
| tundra swan  | Holbeach St Johns | TF3417   | 07/12/2020  | 24         |
| tundra swan  | Holbeach St Johns | TF3417   | 05/12/2020  | 12         |
| tundra swan  | Holbeach St Johns | TF3417   | 03/12/2020  | 8          |
| tundra swan  | Cowbit            | TF21     | 05/01/2008  | 2          |
| tundra swan  | Holbeach St Johns | TF31P    | 05/03/2011  | 80         |
| tundra swan  | Holbeach St Johns | TF31P    | 06/03/2011  | 60         |
| tundra swan  | Cowbit            | TF21     | 12/02/2012  | 4          |
| tundra swan  | Cowbit            | TF21     | 10/03/2012  | 10         |
| tundra swan  | Cowbit            | TF21     | 07/04/2012  | 2          |
| tundra swan  | Cowbit            | TF21     | 15/01/2012  | 2          |
| tundra swan  | Cowbit            | TF21     | 31/01/2019  | 1          |
| tundra swan  | Shepeau Stow      | TF3012   | 19/01/2021  | 40         |
| tundra swan  | Deeping High Bank | TF2515   | 01/02/2021  | 11         |
| tundra swan  | Dowdsdale         | TF21V    | 19/01/2021  | 40         |
| tundra swan  | Crowland Falls    | TF21L    | 27/11/2021  | 4          |
| whooper swan | Great Postland    | TF21     | 21/11/2020  | 88         |
| whooper swan | Crowland Falls    | TF21L    | 03/12/2020  | 96         |
| whooper swan | Crowland Falls    | TF21L    | 03/12/2020  | 137        |
| whooper swan | Brotherhouse Bar  | TF2515   | 30/10/2020  | n/a        |
| whooper swan | Brotherhouse Bar  | TF2515   | 20/03/2020  | 1          |
| whooper swan | Holbeach St Johns | TF3417   | 07/12/2020  | 88         |
| whooper swan | Holbeach St Johns | TF3417   | 05/12/2020  | 153        |
| whooper swan | Holbeach St Johns | TF3417   | 03/12/2020  | 191        |
| whooper swan | Cowbit            | TF21     | 05/01/2008  | 3          |
| whooper swan | Fleet Fen         | TF       | 02/12/2011  | 4          |
| whooper swan | Holbeach St Johns | TF31P    | 21/02/2011  | 13         |
| whooper swan | Fleet Fen         | TF       | 08/03/2011  | 6          |
| whooper swan | Fleet Fen         | TF       | 29/11/2011  | 6          |
| whooper swan | Fleet Fen         | TF       | 28/11/2011  | 62         |
| whooper swan | Cowbit            | TF21     | 15/12/2012  | 1          |
| whooper swan | Sutton St James   | TF       | 05/11/2013  | 9          |
| whooper swan | Cowbit            | TF21     | 20/01/2014  | 6          |
| whooper swan | Sutton St James   | TF       | 13/03/2016  | 50 (Est.)  |
| whooper swan | Cowbit            | TF21     | 14/01/2017  | 22         |
| whooper swan | Cowbit            | TF21     | 11/03/2017  | 3          |
| whooper swan | Cowbit            | TF21     | 27/10/2018  | 5          |
| whooper swan | Cowbit            | TF21     | 03/11/2018  | 30         |
| whooper swan | Cowbit            | TF21     | 10/11/2018  | 32         |
| whooper swan | Cowbit            | TF21     | 21/01/2018  | 8          |
| whooper swan | Cowbit            | TF21     | 31/01/2019  | 7          |
| whooper swan | Cowbit            | TF21     | 01/02/2019  | 14         |
| whooper swan | Shepeau Stow      | TF3012   | 19/01/2021  | 54         |
| whooper swan | Deeping High Bank | TF2515   | 01/02/2021  | 120 (Est.) |

| common name  | Location          | Grid Ref | Date       | Quantity  |
|--------------|-------------------|----------|------------|-----------|
| whooper swan | Crowland          | TF2414   | 31/12/2021 | 75        |
| whooper swan | Deeping High Bank | TF2515   | 24/11/2021 | 40 (Est.) |
| whooper swan | Deeping High Bank | TF2515   | 24/02/2021 | n/a       |
| whooper swan | Deeping High Bank | TF2515   | 05/03/2021 | n/a       |
| whooper swan | Cowbit Wash       | TF21     | 25/10/2021 | 3         |
| whooper swan | Holbeach Fen      | TF       | 27/02/2021 | 11        |
| whooper swan | Whaplode Fen      | TF       | 28/01/2021 | 3         |
| whooper swan | Whaplode Fen      | TF       | 01/01/2021 | n/a       |
| whooper swan | Crowland Falls    | TF21L    | 22/11/2021 | 4         |
| whooper swan | Cowbit Wash       | TF21     | 11/01/2021 | 5         |
| whooper swan | Crowland Falls    | TF21L    | 27/11/2021 | 176       |
| whooper swan | Dowdsdale         | TF21V    | 19/01/2021 | 54        |
| yellowhammer | n/a               | TF293136 | 24/01/2009 |           |
| yellowhammer | Great Postland    | TF21     | 09/10/2020 | 1         |
| yellowhammer | Great Postland    | TF21     | 09/10/2020 | 2         |
| yellowhammer | Holbeach Fen      | TF       | 01/01/1999 | 1         |
| yellowhammer | Gedney Hill       | TF31     | 20/04/2007 | 5         |
| yellowhammer | Cowbit            | TF21     | 05/01/2008 | 3         |
| yellowhammer | Gedney Hill       | TF31     | 19/06/2010 | 2         |
| yellowhammer | Gedney Fen        | TF       | 24/07/2010 | 2         |
| yellowhammer | Gedney Fen        | TF       | 01/08/2010 | 2         |
| yellowhammer | Holbeach St Johns | TF31P    | 28/08/2011 | 1         |
| yellowhammer | Gedney Fen        | TF       | 24/02/2012 | 20 (Est.) |
| yellowhammer | Gedney Fen        | TF       | 22/05/2019 | 1 (Est.)  |

**NOTE:**

n/a Data not available within the database provided by the Greater Lincolnshire Nature Partnership.

# Appendix 4: Conservation Assessment Criteria

## NON-STATUTORY CONSERVATION CRITERIA

### Birds of Conservation Concern

The UK's leading bird conservation organisations have worked together on the fifth quantitative review of the status of the birds that occur regularly here published in 2021, updating the last review in 2011 (Stanbury *et al.*, 2021). A total of 245 species have been assessed against a set of objective criteria to place each on one of three lists – green, amber and red – indicating an increasing level of conservation concern. There are 70 species on the Red-list, 103 on the Amber-list and 72 on the Green list. The Red-list has increased by three species since 2015. The Amber-list has increased by seven since 2015.

The UK's birds can be split in to three categories of conservation importance - red, amber and green.

Red is the highest conservation priority, with species needing urgent action. Amber is the next most critical group, followed by Green.

Birds in the Red and Amber Lists would be subject to at least one of the relevant factors listed below.

### Red list criteria

- Globally threatened;
- Historical population decline in UK during 1800–1995;
- Severe (at least 50%) decline in UK breeding population over last 25 years, or longer-term period (the entire period used for assessments since the first BoCC review, starting in 1969); and/or,
- Severe (at least 50%) contraction of UK breeding range over last 25 years, or the longer-term period.

### Amber list criteria

- Species with unfavourable conservation status in Europe (SPEC = Species of European Conservation Concern);
- Historical population decline during 1800–1995, but recovering; population size has more than doubled over last 25 years;
- Moderate (25-49%) decline in UK breeding population over last 25 years, or the longer-term period;
- Moderate (25-49%) contraction of UK breeding range over last 25 years, or the longer-term period;
- Moderate (25-49%) decline in UK non-breeding population over last 25 years, or the longer-term period;
- Rare breeder; 1–300 breeding pairs in UK;
- Rare non-breeders; less than 900 individuals;
- Localised; at least 50% of UK breeding or non-breeding population in 10 or fewer sites, but not applied to rare breeders or non-breeders; and/or,
- Internationally important; at least 20% of European breeding or non-breeding population in UK (NW European and East Atlantic Flyway populations used for non-breeding wildfowl and waders respectively).

### Green list

Species that occur regularly in the UK but do not qualify under any or the above criteria.

# Appendix 5: Legislation and Planning Policy

**Important Notice:** This section contains details of legislation applicable in England and Wales only (i.e. not including Scotland, the Isle of Man, Northern Ireland, the Republic of Ireland or the Channel Islands) and is provided for general guidance only. While every effort has been made to represent the current (at the time of writing) situation with respect to the UK's position outside of the EU and to ensure accuracy throughout, this section should not be relied upon as a definitive statement of the law.

Over the past few years, three important bills have been published which are intended to shape how growing pressures on the environment post-Brexit (post-transition period) are tackled. Both the Agriculture Bill and Fisheries Bill gained Royal Assent in November 2020 and are now the Agriculture Act 2020 and Fisheries Act 2020 respectively; and, more recently, the Environment Bill was passed into law in November 2021, becoming the Environment Act 2021. *Note as an environment policy is a devolved matter, most of this Act applies to England only.*

## **LEGISLATION AFFORDED TO SITES AND HABITATS**

Habitats and sites can be protected directly through the Wildlife & Countryside Act 1981 (as amended), The Conservation of Habitats and Species Regulations 2017 (as amended) and The Conservation of Offshore Marine Habitats and Species Regulations 2017 (as amended) through the notification, classification or designation of various protected sites as detailed below.

In addition, The Environment Act 2021 and the Water Framework Directive indirectly afford protection to non-designated habitats through the duties placed on public and private bodies to promote nature conservation and biodiversity, for example, the creation of Local Nature Recovery Strategies (LNRS) and associated Species Conservation and Protected Site strategies, and to reduce or avoid harmful activities. Many of these duties and targets form the basis for national and local planning policy and wider conservation strategies and are not covered in detail here.

## STATUTORY SITE DESIGNATIONS: NATIONAL

Nationally important areas of special scientific interest, by reason of their flora, fauna, or geological or physiographical features, are notified by the countryside agencies as statutory **SSSI** under the National Parks and Access to the Countryside Act 1949 and latterly the Wildlife & Countryside Act 1981 (as amended). As well as underpinning other national designations (such as **National Nature Reserves** which are declared by the countryside agencies under the same legislation), the system also provides statutory protection for terrestrial and coastal sites which are important within a European context (formerly referred to as part of the Natura 2000 network and recently amended to the National Site Network in line with the UK's departure from the EU) and globally (such as Wetlands of International Importance) - see subsequent sections for details of these designations. Improved provisions for the protection and management of SSSI have been introduced by the Countryside and Rights of Way Act 2000.

The Wildlife & Countryside Act 1981 (as amended) also provides for the making of **Limestone Pavement Orders**, which prohibit the disturbance and removal of limestone from such designated areas, and the designation of **Marine Nature Reserves**, for which byelaws must be made to protect them.

## STATUTORY SITE DESIGNATIONS: INTERNATIONAL

**Special Protection Areas** (SPAs), together with **Special Areas of Conservation** (SACs) form the basis of the **National Site Network** (until recently, these were part of the Natura 2000 network whilst the UK was part of the EU). SPAs are identified and classified by the Government under the EC Birds Directive (Council Directive 2009/147/EC (formerly 79/409/EEC)) on the Conservation of Wild Birds) via the mechanisms set out in the Habitats Regulations (as applicable at the time of classification).

SPAs are areas of the most important habitat for rare (listed on Annex I of the Directive) and migratory birds within the European Union. Protection afforded SPAs in terrestrial areas and territorial marine waters out to 12 nautical miles (nm) is given by The Conservation of Habitats & Species Regulations 2017 (as amended). The 'Conservation of Offshore Marine Habitats and Species Regulations 2017 (as amended) provide a

mechanism for the classification and protection of European Marine Sites (EMS) (SPAs and SACs) in UK offshore waters (from 12-200 nm).

SACs are identified and designated under the EC Habitats Directive (Council Directive 92/43/EEC on the Conservation of Natural Habitats and of Wild Fauna and Flora) via the mechanisms set out in the Habitats Regulations (as applicable at the time of designation). These are areas which have been identified as best representing the range and variety of habitats and (non-bird) species listed on Annexes I and II to the Directive within the European Union. SACs in terrestrial areas and territorial marine waters out to 12 nautical miles are protected under The Conservation of Habitats & Species Regulations 2017 (as amended). The 'Conservation of Offshore Marine Habitats and Species Regulations 2017 (as amended) provide a mechanism for the designation and protection of European marine sites or EMS (SACs and SPAs) in UK offshore waters (from 12-200 nm).

**Ramsar sites** are listed under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. The Convention covers all aspects of wetland conservation and wise use, in particular recognizing wetlands as ecosystems that are globally important for biodiversity conservation. Wetlands can include areas of marsh, fen, peatland or water and may be natural or artificial, permanent or temporary. Wetlands may also incorporate riparian and coastal zones adjacent to the wetlands. Ramsar sites are underpinned through prior notification as SSSI and as such receive statutory protection under the Wildlife & Countryside Act 1981 (as amended) with further protection provided by the Countryside and Rights of Way (CROW) Act 2000. Policy statements have been issued by the Government highlighting the special status of Ramsar sites. This effectively extends the level of protection to that afforded to sites in England and Wales which have been designated under the EC Birds and Habitats Directives as part of the Natura 2000 network and now the National Site Network (e.g. SACs and SPAs).

### **NATURAL ENVIRONMENT AND RURAL COMMUNITIES ACT 2006 (NERC)**

The Natural Environment and Rural Communities (NERC) Act came into force on the 1 October 2006. Section 40 of the Act requires all public bodies to have regard to biodiversity conservation when carrying out their functions. This is commonly referred to as the 'biodiversity duty'.

Section 41 of the Act (Section 42 in Wales) requires the Secretary of State to publish a list of habitats and species which are of 'principal importance for the conservation of biodiversity.' This list is intended to assist decision makers such as public bodies in implementing their duty under Section 40 of the Act. Under the Act, these habitats and species are regarded as a material consideration in determining planning applications. A developer must show that their protection has been adequately addressed within a development proposal.

## PLANNING POLICY

The National Planning Policy Framework (NPPF) replaced Planning Policy Statement 9 in 2012 and emphasises the need for sustainable development. The NPPF specifies the need for protection of designated sites and priority habitats and priority species. An emphasis is also made for the need for ecological networks via preservation, restoration and re-creation (Ministry of Housing, Communities and Local Government, 2021). The protection and recovery of priority species (widely taken to mean (SPI under S41 of the NERC Act) is also listed as a requirement of planning policy. In determining planning application, planning authorities have a duty to conserve and enhance biodiversity by ensuring the following:

- Designated sites are protected from adverse harm;
- There is appropriate mitigation or compensation where significant harm cannot be avoided;
- Opportunities to incorporate biodiversity in and around developments are encouraged; and
- Planning permission is refused for development resulting in the loss or deterioration of irreplaceable habitats including aged or veteran trees and also ancient woodland.

## REGIONAL AND LOCAL BAPS

The Lincolnshire Biodiversity Action Plan (BAP)<sup>7</sup> identifies 17 species as needing targeted action to secure their status. The Lincolnshire Greater Lincolnshire Nature Partnership, a partnership including 49 representatives, ensures the monitoring and implementation of the objectives associated with these plans.

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<sup>7</sup> [CHttpHandler.ashx \(southkesteven.gov.uk\)](#)

## Appendix 6: Bird Species List

| english name                    | Scientific Name                          | BOCC5 | S41 | LBAP |
|---------------------------------|--|-------|-----|------|
| blackbird                       | <i>Turdus merula</i>                     |       |     |      |
| <b>black-headed gull</b>        | <b><i>Chroicocephalus ridibundus</i></b> | Amber |     |      |
| blue tit                        | <i>Cyanistes caeruleus</i>               |       |     |      |
| <b>brambling</b>                | <b><i>Fringilla montifringilla</i></b>   |       |     |      |
| buzzard                         | <i>Buteo buteo</i>                       |       |     |      |
| Canada goose                    | <i>Branta canadensis</i>                 |       |     |      |
| carrion crow                    | <i>Corvus corone</i>                     |       |     |      |
| <b>Cetti's warbler</b>          | <b><i>Cettia cetti</i></b>               |       |     |      |
| chaffinch                       | <i>Fringilla coelebs</i>                 |       |     |      |
| chiffchaff                      | <i>Phylloscopus collybita</i>            |       |     |      |
| coal tit                        | <i>Periparus ater</i>                    |       |     |      |
| <b>common gull</b>              | <b><i>Larus canus</i></b>                | Amber |     |      |
| coot                            | <i>Fulica atra</i>                       |       |     |      |
| cormorant                       | <i>Phalacrocorax carbo</i>               |       |     |      |
| <b>corn bunting</b>             | <b><i>Emberiza calandra</i></b>          | Red   | Yes |      |
| <b>dunlin</b>                   | <b><i>Calidris alpina</i></b>            | Red   |     | Yes  |
| <b>dunnock</b>                  | <b><i>Prunella modularis</i></b>         | Amber | Yes |      |
| <b>fieldfare</b>                | <b><i>Turdus pilaris</i></b>             | Red   |     |      |
| <b>gadwall</b>                  | <b><i>Mareca strepera</i></b>            | Amber |     |      |
| goldcrest                       | <i>Regulus regulus</i>                   |       |     |      |
| golden plover                   | <i>Pluvialis apricaria</i>               |       |     |      |
| goldfinch                       | <i>Carduelis carduelis</i>               |       |     |      |
| <b>great black-backed gull</b>  | <b><i>Larus marinus</i></b>              | Amber |     |      |
| great spotted woodpecker        | <i>Dendrocopos major</i>                 |       |     |      |
| great tit                       | <i>Parus major</i>                       |       |     |      |
| green woodpecker                | <i>Picus viridis</i>                     |       |     |      |
| <b>greenfinch</b>               | <b><i>Chloris chloris</i></b>            | Red   |     |      |
| grey heron                      | <i>Ardea cinerea</i>                     |       |     |      |
| <b>grey partridge</b>           | <b><i>Perdix perdix</i></b>              | Red   | Yes | Yes  |
| <b>grey wagtail</b>             | <b><i>Motacilla cinerea</i></b>          | Amber |     |      |
| <b>greylag goose</b>            | <b><i>Anser anser</i></b>                | Amber |     |      |
| <b>herring gull</b>             | <b><i>Larus argentatus</i></b>           | Red   | Yes |      |
| jack snipe                      | <i>Lymnocyptes minimus</i>               |       |     |      |
| jackdaw                         | <i>Coloeus monedula</i>                  |       |     |      |
| jay                             | <i>Garrulus glandarius</i>               |       |     |      |
| <b>kestrel</b>                  | <b><i>Falco tinnunculus</i></b>          | Amber |     |      |
| <b>kingfisher</b>               | <b><i>Alcedo atthis</i></b>              |       |     |      |
| <b>knot</b>                     | <b><i>Calidris canutus</i></b>           | Amber |     |      |
| <b>lapwing</b>                  | <b><i>Vanellus vanellus</i></b>          | Red   | Yes | Yes  |
| <b>lesser black-backed gull</b> | <b><i>Larus fuscus</i></b>               | Amber |     |      |
| <b>lesser redpoll</b>           | <b><i>Acanthis cabaret</i></b>           | Red   | Yes |      |
| <b>linnet</b>                   | <b><i>Linaria cannabina</i></b>          | Red   | Yes | Yes  |
| little egret                    | <i>Egretta garzetta</i>                  |       |     |      |
| little grebe                    | <i>Tachybaptus ruficollis</i>            |       |     |      |
| long-tailed tit                 | <i>Aegithalos caudatus</i>               |       |     |      |
| magpie                          | <i>Pica pica</i>                         |       |     |      |

| english name             | Scientific Name                | BOCC5 | S41 | LBAP |
|--------------------------|--------------------------------|-------|-----|------|
| <b>mallard</b>           | <i>Anas platyrhynchos</i>      | Amber |     |      |
| <b>meadow pipit</b>      | <i>Anthus pratensis</i>        | Amber |     |      |
| <b>mistle thrush</b>     | <i>Turdus viscivorus</i>       | Red   |     |      |
| <b>moorhen</b>           | <i>Gallinula chloropus</i>     | Amber |     |      |
| mute swan                | <i>Cygnus olor</i>             |       |     |      |
| <b>oystercatcher</b>     | <i>Haematopus ostralegus</i>   | Amber |     |      |
| <b>peregrine</b>         | <i>Falco peregrinus</i>        |       |     |      |
| pheasant                 | <i>Phasianus colchicus</i>     |       |     |      |
| pie wagtail              | <i>Motacilla alba</i>          |       |     |      |
| <b>pink-footed goose</b> | <i>Anser brachyrhynchus</i>    | Amber |     |      |
| <b>pintail</b>           | <i>Anas acuta</i>              | Amber |     |      |
| raven                    | <i>Corvus corax</i>            |       |     |      |
| <b>red kite</b>          | <i>Milvus milvus</i>           |       |     |      |
| red-legged partridge     | <i>Alectoris rufa</i>          |       |     |      |
| <b>redwing</b>           | <i>Turdus iliacus</i>          | Amber |     |      |
| <b>reed bunting</b>      | <i>Emberiza schoeniclus</i>    | Amber | Yes | Yes  |
| robin                    | <i>Erithacus rubecula</i>      |       |     |      |
| <b>rook</b>              | <i>Corvus frugilegus</i>       | Amber |     |      |
| <b>shelduck</b>          | <i>Tadorna tadorna</i>         | Amber |     |      |
| <b>short-eared owl</b>   | <i>Asio flammeus</i>           | Amber |     |      |
| <b>skylark</b>           | <i>Alauda arvensis</i>         | Red   | Yes | Yes  |
| <b>snipe</b>             | <i>Gallinago gallinago</i>     | Amber |     | Yes  |
| <b>song thrush</b>       | <i>Turdus philomelos</i>       | Amber |     | Yes  |
| <b>sparrowhawk</b>       | <i>Accipiter nisus</i>         | Amber |     |      |
| <b>starling</b>          | <i>Sturnus vulgaris</i>        | Red   | Yes | Yes  |
| <b>stock dove</b>        | <i>Columba oenas</i>           | Amber |     |      |
| stonechat                | <i>Saxicola rubicola</i>       |       |     |      |
| swallow                  | <i>Hirundo rustica</i>         |       |     |      |
| <b>teal</b>              | <i>Anas crecca</i>             | Amber |     |      |
| <b>wheatear</b>          | <i>Oenanthe oenanthe</i>       | Amber |     |      |
| <b>whooper swan</b>      | <i>Cygnus cygnus</i>           | Amber |     |      |
| <b>wigeon</b>            | <i>Mareca penelope</i>         | Amber |     |      |
| <b>woodcock</b>          | <i>Scolopax rusticola</i>      | Red   |     |      |
| <b>woodpigeon</b>        | <i>Columba palumbus</i>        | Amber |     |      |
| <b>wren</b>              | <i>Troglodytes troglodytes</i> | Amber |     |      |
| <b>yellowhammer</b>      | <i>Emberiza citrinella</i>     | Red   | Yes | Yes  |

## Appendix 7: Transect Results

| Species/ Transect        | Monthly Peak Count |          |          |          |          |            | Peak Count |
|--------------------------|--------------------|----------|----------|----------|----------|------------|------------|
|                          | Oct 2023           | Nov 2023 | Dec 2023 | Jan 2024 | Feb 2024 | March 2024 |            |
| <b>Blackbird</b>         |                    |          |          |          |          |            |            |
| WT07                     | 1                  | 1        | 1        | 2        |          |            | 2          |
| WT08                     | 1                  |          | 6        | 2        | 1        |            | 6          |
| WT09                     | 1                  | 6        | 1        | 2        | 1        | 1          | 6          |
| WT10                     | 1                  | 1        | 3        | 5        | 1        |            | 5          |
| WT13                     |                    | 1        | 2        |          | 1        | 1          | 2          |
| <b>Black-Headed Gull</b> |                    |          |          |          |          |            |            |
| WT07                     | 3                  |          |          | 2        |          | 2          | 3          |
| WT08                     | 4                  |          |          |          |          |            | 4          |
| WT09                     |                    | 240      |          | 9        |          | 31         | 240        |
| WT10                     | 30                 | 100      | 70       | 12       | 14       | 66         | 100        |
| WT13                     |                    | 6        | 8        | 6        | 14       | 9          | 14         |
| <b>Blue Tit</b>          |                    |          |          |          |          |            |            |
| WT07                     | 1                  |          | 1        |          |          |            | 1          |
| WT08                     | 1                  |          |          | 2        | 1        |            | 2          |
| WT09                     |                    | 1        | 1        | 1        | 2        |            | 2          |
| WT10                     | 1                  |          | 2        | 3        | 1        |            | 3          |
| WT13                     |                    | 4        | 3        | 1        |          |            | 4          |
| <b>Brambling</b>         |                    |          |          |          |          |            |            |
| WT13                     |                    |          | 1        |          |          |            | 1          |
| <b>Buzzard</b>           |                    |          |          |          |          |            |            |
| WT07                     |                    | 1        |          | 1        |          | 1          | 1          |
| WT08                     |                    | 2        |          | 1        | 1        | 1          | 2          |
| WT09                     | 1                  | 1        | 2        | 2        | 1        | 1          | 2          |
| WT10                     | 2                  | 1        | 2        | 2        | 2        | 2          | 2          |
| WT13                     |                    | 1        | 1        | 1        |          | 2          | 2          |
| <b>Carrion Crow</b>      |                    |          |          |          |          |            |            |
| WT07                     |                    | 2        | 1        | 3        | 2        |            | 3          |
| WT08                     |                    | 8        | 2        | 1        | 50       |            | 50         |
| WT09                     |                    | 6        | 1        | 4        | 6        | 6          | 6          |
| WT10                     | 24                 | 60       | 25       | 3        | 34       | 1          | 60         |
| WT13                     |                    | 60       | 6        | 4        | 1        | 1          | 60         |
| <b>Cetti's Warbler</b>   |                    |          |          |          |          |            |            |
| WT13                     |                    | 1        |          |          |          |            | 1          |
| <b>Chaffinch</b>         |                    |          |          |          |          |            |            |
| WT07                     |                    |          |          | 1        |          |            | 1          |
| WT08                     |                    | 1        | 1        |          | 1        |            | 1          |
| WT09                     |                    | 1        | 1        | 2        | 1        |            | 2          |
| WT10                     | 60                 |          | 10       | 30       | 70       | 25         | 70         |
| WT13                     |                    | 1        | 3        |          |          |            | 3          |
| <b>Chiffchaff</b>        |                    |          |          |          |          |            |            |
| WT07                     | 2                  |          |          |          |          |            | 2          |
| WT08                     | 8                  |          |          |          |          |            | 8          |
| <b>Coal Tit</b>          |                    |          |          |          |          |            |            |
| WT10                     |                    |          |          | 1        |          |            | 1          |

| Species/ Transect    | Monthly Peak Count |          |          |          |          |            | Peak Count |
|----------------------|--------------------|----------|----------|----------|----------|------------|------------|
|                      | Oct 2023           | Nov 2023 | Dec 2023 | Jan 2024 | Feb 2024 | March 2024 |            |
| WT13                 |                    | 1        |          |          |          |            | 1          |
| <b>Common Gull</b>   |                    |          |          |          |          |            |            |
| WT07                 |                    |          |          | 6        |          |            | 6          |
| WT08                 |                    |          |          | 1        |          |            | 1          |
| WT09                 |                    | 12       | 3        | 1        |          |            | 12         |
| WT10                 | 120                |          |          | 1        | 78       | 2          | 120        |
| WT13                 |                    | 3        |          |          | 35       |            | 35         |
| <b>Coot</b>          |                    |          |          |          |          |            |            |
| WT13                 |                    | 10       |          |          |          |            | 10         |
| <b>Cormorant</b>     |                    |          |          |          |          |            |            |
| WT07                 |                    |          |          |          |          | 1          | 1          |
| WT10                 |                    | 3        | 1        | 1        | 12       | 1          | 12         |
| WT13                 |                    | 1        |          |          | 5        | 1          | 5          |
| <b>Corn Bunting</b>  |                    |          |          |          |          |            |            |
| WT09                 | 1                  |          |          |          |          |            | 1          |
| <b>Dunlin</b>        |                    |          |          |          |          |            |            |
| WT10                 |                    |          |          | 9        |          |            | 9          |
| <b>Duncock</b>       |                    |          |          |          |          |            |            |
| WT07                 | 1                  |          |          |          |          |            | 1          |
| WT08                 | 1                  |          |          |          | 1        |            | 1          |
| WT09                 | 1                  | 1        |          |          | 1        |            | 1          |
| <b>Fieldfare</b>     |                    |          |          |          |          |            |            |
| WT07                 |                    | 1        |          | 18       | 20       |            | 20         |
| WT08                 |                    | 36       | 60       | 30       | 120      |            | 120        |
| WT09                 | 350                | 15       | 20       | 12       | 21       | 15         | 350        |
| WT10                 |                    | 100      | 26       | 80       | 40       | 60         | 100        |
| WT13                 |                    | 200      | 18       | 14       | 36       | 400        | 400        |
| <b>Gadwall</b>       |                    |          |          |          |          |            |            |
| WT10                 |                    | 15       | 6        |          |          |            | 15         |
| WT13                 |                    |          |          |          | 45       |            | 45         |
| <b>Goldcrest</b>     |                    |          |          |          |          |            |            |
| WT07                 |                    | 1        |          |          |          |            | 1          |
| WT10                 |                    |          |          |          | 1        |            | 1          |
| <b>Golden Plover</b> |                    |          |          |          |          |            |            |
| WT07                 |                    |          | 150      |          |          |            | 150        |
| WT08                 |                    |          |          | 70       |          |            | 70         |
| WT09                 |                    | 2        |          |          |          |            | 2          |
| WT10                 | 3                  |          |          | 320      |          | 22         | 320        |
| WT13                 |                    | 17       |          |          | 450      | 110        | 450        |
| <b>Goldfinch</b>     |                    |          |          |          |          |            |            |
| WT07                 |                    | 2        | 20       |          |          |            | 20         |
| WT08                 |                    | 1        | 40       |          |          |            | 40         |
| WT09                 |                    | 16       | 8        |          |          |            | 16         |
| WT10                 | 40                 | 25       | 10       | 60       | 4        |            | 60         |
| WT13                 |                    |          |          |          | 18       |            | 18         |

| Species/ Transect               | Monthly Peak Count |          |          |          |          |            | Peak Count |
|---------------------------------|--------------------|----------|----------|----------|----------|------------|------------|
|                                 | Oct 2023           | Nov 2023 | Dec 2023 | Jan 2024 | Feb 2024 | March 2024 |            |
| <b>Great Black-Backed Gull</b>  |                    |          |          |          |          |            |            |
| WT09                            |                    |          |          | 1        |          |            | 1          |
| WT10                            |                    | 1        |          |          |          |            | 1          |
| <b>Great Spotted Woodpecker</b> |                    |          |          |          |          |            |            |
| WT08                            |                    |          |          | 1        | 1        |            | 1          |
| WT10                            |                    |          | 1        |          | 1        | 1          | 1          |
| <b>Great Tit</b>                |                    |          |          |          |          |            |            |
| WT07                            |                    |          |          | 1        |          |            | 1          |
| WT08                            |                    | 1        | 1        |          | 2        |            | 2          |
| WT09                            |                    | 3        |          |          | 1        |            | 3          |
| WT10                            | 4                  |          |          | 1        | 13       |            | 13         |
| WT13                            |                    |          |          | 3        |          |            | 3          |
| <b>Green Woodpecker</b>         |                    |          |          |          |          |            |            |
| WT08                            |                    |          | 1        | 1        |          |            | 1          |
| WT10                            |                    |          |          |          | 1        | 1          | 1          |
| WT13                            |                    | 1        |          |          |          |            | 1          |
| <b>Greenfinch</b>               |                    |          |          |          |          |            |            |
| WT08                            |                    | 2        |          |          | 20       |            | 20         |
| WT09                            |                    | 4        | 4        | 1        |          |            | 4          |
| WT13                            |                    | 5        |          |          |          |            | 5          |
| <b>Grey Heron</b>               |                    |          |          |          |          |            |            |
| WT08                            |                    |          |          |          |          | 1          | 1          |
| WT09                            |                    |          | 1        |          |          | 1          | 1          |
| WT10                            | 1                  | 1        | 2        | 1        | 1        | 1          | 2          |
| WT13                            |                    |          | 1        |          | 1        |            | 1          |
| <b>Grey Partridge</b>           |                    |          |          |          |          |            |            |
| WT10                            |                    | 4        |          |          |          |            | 4          |
| <b>Grey Wagtail</b>             |                    |          |          |          |          |            |            |
| WT10                            |                    |          |          |          | 1        |            | 1          |
| WT13                            |                    |          |          |          | 1        |            | 1          |
| <b>Greylag Goose</b>            |                    |          |          |          |          |            |            |
| WT10                            |                    |          |          |          |          | 2          | 2          |
| WT13                            |                    |          |          |          | 24       |            | 24         |
| <b>Herring Gull</b>             |                    |          |          |          |          |            |            |
| WT07                            |                    |          |          | 1        | 4        |            | 4          |
| WT09                            |                    |          |          | 1        |          | 1          | 1          |
| WT10                            |                    |          | 40       | 1        | 2        | 40         | 40         |
| WT13                            |                    | 2        |          | 4        |          |            | 4          |
| <b>Jack Snipe</b>               |                    |          |          |          |          |            |            |
| WT07                            |                    |          | 1        |          |          |            | 1          |
| WT10                            |                    | 1        |          |          |          |            | 1          |
| <b>Jackdaw</b>                  |                    |          |          |          |          |            |            |
| WT07                            |                    |          |          |          | 20       | 4          | 20         |
| WT08                            |                    |          |          | 5        | 3        |            | 5          |
| WT09                            |                    | 40       | 9        |          |          |            | 40         |

| Species/ Transect               | Monthly Peak Count |          |          |          |          |            | Peak Count |
|---------------------------------|--------------------|----------|----------|----------|----------|------------|------------|
|                                 | Oct 2023           | Nov 2023 | Dec 2023 | Jan 2024 | Feb 2024 | March 2024 |            |
| WT10                            | 20                 |          |          | 1        | 4        |            | 20         |
| WT13                            |                    | 60       |          |          |          | 3          | 60         |
| <b>Jay</b>                      |                    |          |          |          |          |            |            |
| WT09                            |                    |          |          |          | 1        |            | 1          |
| WT10                            | 2                  | 1        | 1        | 1        |          |            | 2          |
| WT13                            |                    |          |          |          | 1        |            | 1          |
| <b>Kestrel</b>                  |                    |          |          |          |          |            |            |
| WT07                            |                    | 1        |          | 1        | 1        |            | 1          |
| WT08                            |                    | 1        | 1        | 1        | 1        |            | 1          |
| WT09                            |                    | 1        | 1        | 1        | 1        | 1          | 1          |
| WT10                            | 1                  | 1        | 2        | 1        | 1        | 1          | 2          |
| WT13                            |                    | 1        |          |          | 1        | 1          | 1          |
| <b>Kingfisher</b>               |                    |          |          |          |          |            |            |
| WT13                            |                    |          |          |          |          | 1          | 1          |
| <b>Knot</b>                     |                    |          |          |          |          |            |            |
| WT10                            |                    | 1        |          |          |          |            | 1          |
| <b>Lapwing</b>                  |                    |          |          |          |          |            |            |
| WT07                            |                    |          |          | 18       |          |            | 18         |
| WT08                            |                    |          | 1        | 50       |          |            | 50         |
| WT09                            |                    | 6        |          |          |          | 2          | 6          |
| WT10                            | 200                | 4        | 60       | 90       | 56       | 2          | 200        |
| WT13                            |                    |          |          |          | 500      | 1          | 500        |
| <b>Lesser Black-Backed Gull</b> |                    |          |          |          |          |            |            |
| WT07                            | 18                 |          | 2        | 1        | 2        |            | 18         |
| WT08                            | 10                 | 1        | 7        |          |          |            | 10         |
| WT09                            |                    | 25       | 1        |          |          |            | 25         |
| WT10                            |                    | 5        |          |          | 3        | 7          | 7          |
| WT13                            |                    |          | 4        |          |          |            | 4          |
| <b>Lesser Redpoll</b>           |                    |          |          |          |          |            |            |
| WT10                            |                    |          | 4        |          |          |            | 4          |
| <b>Linnet</b>                   |                    |          |          |          |          |            |            |
| WT07                            |                    | 1        |          | 50       |          |            | 50         |
| WT08                            |                    | 1        | 25       |          | 4        | 15         | 25         |
| WT09                            | 75                 | 150      | 100      | 430      | 10       |            | 430        |
| WT10                            | 40                 | 100      | 150      | 150      | 120      | 10         | 150        |
| WT13                            |                    | 2        |          |          |          |            | 2          |
| <b>Little Egret</b>             |                    |          |          |          |          |            |            |
| WT07                            |                    |          | 1        |          |          |            | 1          |
| WT10                            |                    |          | 2        |          | 1        |            | 2          |
| <b>Long-Tailed Tit</b>          |                    |          |          |          |          |            |            |
| WT07                            |                    | 2        |          |          |          |            | 2          |
| WT08                            |                    | 8        | 1        | 3        |          |            | 8          |
| WT10                            | 8                  |          | 8        |          | 14       |            | 14         |
| WT13                            |                    | 10       |          |          |          |            | 10         |
| <b>Magpie</b>                   |                    |          |          |          |          |            |            |

| Species/ Transect        | Monthly Peak Count |          |          |          |          |            | Peak Count |
|--------------------------|--------------------|----------|----------|----------|----------|------------|------------|
|                          | Oct 2023           | Nov 2023 | Dec 2023 | Jan 2024 | Feb 2024 | March 2024 |            |
| WT07                     |                    |          |          |          | 1        |            | 1          |
| WT08                     |                    | 2        |          | 1        | 2        |            | 2          |
| WT09                     |                    |          |          |          | 2        | 3          | 3          |
| WT10                     |                    | 1        | 2        | 1        |          |            | 2          |
| WT13                     |                    | 6        |          |          |          | 2          | 6          |
| <b>Mallard</b>           |                    |          |          |          |          |            |            |
| WT07                     | 1                  |          |          |          |          | 1          | 1          |
| WT08                     |                    | 1        |          | 2        | 2        | 3          | 3          |
| WT09                     |                    |          |          | 6        |          | 4          | 6          |
| WT10                     | 16                 | 30       |          |          | 40       | 20         | 40         |
| WT13                     |                    | 24       |          |          | 160      |            | 160        |
| <b>Meadow Pipit</b>      |                    |          |          |          |          |            |            |
| WT07                     |                    | 4        | 2        | 2        | 3        |            | 4          |
| WT08                     |                    | 4        | 2        | 12       | 15       | 2          | 15         |
| WT09                     | 2                  | 1        | 1        | 3        |          | 1          | 3          |
| WT10                     | 14                 | 20       | 2        |          | 12       | 4          | 20         |
| WT13                     |                    | 14       |          |          | 20       | 2          | 20         |
| <b>Mistle Thrush</b>     |                    |          |          |          |          |            |            |
| WT13                     |                    |          |          |          | 1        |            | 1          |
| <b>Moorhen</b>           |                    |          |          |          |          |            |            |
| WT07                     | 1                  |          |          |          |          |            | 1          |
| WT13                     |                    | 1        |          |          |          |            | 1          |
| <b>Mute Swan</b>         |                    |          |          |          |          |            |            |
| WT09                     | 1                  |          |          |          |          |            | 1          |
| WT10                     | 2                  | 10       | 28       | 25       | 18       |            | 28         |
| WT13                     |                    | 1        |          |          | 2        | 8          | 8          |
| <b>Oystercatcher</b>     |                    |          |          |          |          |            |            |
| WT07                     |                    |          | 1        |          |          |            | 1          |
| WT13                     |                    |          |          |          |          | 2          | 2          |
| <b>Peregrine</b>         |                    |          |          |          |          |            |            |
| WT08                     |                    | 1        | 1        |          |          |            | 1          |
| <b>Pheasant</b>          |                    |          |          |          |          |            |            |
| WT07                     | 3                  |          | 4        | 6        | 4        |            | 6          |
| WT08                     | 2                  | 2        | 15       | 30       | 11       | 1          | 30         |
| WT09                     | 9                  | 2        | 30       | 15       | 2        | 30         | 30         |
| WT10                     | 10                 | 20       | 35       |          | 23       |            | 35         |
| WT13                     |                    | 2        | 3        | 2        | 2        |            | 3          |
| <b>Pied Wagtail</b>      |                    |          |          |          |          |            |            |
| WT07                     |                    | 1        |          |          |          |            | 1          |
| WT09                     |                    | 1        |          |          | 1        |            | 1          |
| WT10                     | 1                  | 1        | 25       | 1        | 2        |            | 25         |
| WT13                     |                    |          |          |          | 12       |            | 12         |
| <b>Pink-Footed Goose</b> |                    |          |          |          |          |            |            |
| WT09                     |                    | 400      |          |          |          |            | 400        |
| WT10                     |                    | 160      |          |          |          |            | 160        |

| Species/ Transect           | Monthly Peak Count |          |          |          |          |            | Peak Count |
|-----------------------------|--------------------|----------|----------|----------|----------|------------|------------|
|                             | Oct 2023           | Nov 2023 | Dec 2023 | Jan 2024 | Feb 2024 | March 2024 |            |
| <b>Pintail</b>              |                    |          |          |          |          |            |            |
| WT13                        |                    |          |          |          | 150      |            | 150        |
| <b>Red Kite</b>             |                    |          |          |          |          |            |            |
| WT07                        |                    | 1        |          |          |          |            | 1          |
| WT08                        |                    |          | 1        |          |          |            | 1          |
| WT09                        | 1                  |          |          | 1        |          | 1          | 1          |
| WT10                        |                    |          |          |          |          | 1          | 1          |
| WT13                        |                    | 1        |          |          |          | 1          | 1          |
| <b>Red-Legged Partridge</b> |                    |          |          |          |          |            |            |
| WT07                        | 3                  |          |          |          |          |            | 3          |
| WT08                        | 3                  |          |          |          |          |            | 3          |
| WT09                        |                    | 8        |          |          |          |            | 8          |
| WT10                        | 8                  |          |          |          |          |            | 8          |
| WT13                        |                    | 8        |          | 3        |          |            | 8          |
| <b>Redwing</b>              |                    |          |          |          |          |            |            |
| WT09                        | 1                  |          |          |          | 6        |            | 6          |
| WT10                        |                    | 10       | 6        | 3        |          |            | 10         |
| WT13                        |                    | 60       | 10       | 2        |          |            | 60         |
| <b>Reed Bunting</b>         |                    |          |          |          |          |            |            |
| WT07                        | 3                  |          | 55       | 120      |          |            | 120        |
| WT08                        | 1                  | 1        | 1        |          |          |            | 1          |
| WT09                        | 6                  | 16       | 160      | 70       |          | 4          | 160        |
| WT10                        | 12                 | 1        |          |          | 5        | 4          | 12         |
| WT13                        |                    | 2        |          |          |          | 1          | 2          |
| <b>Robin</b>                |                    |          |          |          |          |            |            |
| WT08                        | 1                  |          |          |          | 2        |            | 2          |
| WT09                        |                    |          |          |          | 1        |            | 1          |
| WT10                        | 1                  |          |          |          | 1        | 1          | 1          |
| WT13                        |                    | 20       |          | 1        | 1        |            | 20         |
| <b>Rook</b>                 |                    |          |          |          |          |            |            |
| WT07                        |                    |          |          | 2        |          |            | 2          |
| WT08                        |                    |          | 2        |          |          |            | 2          |
| WT09                        | 12                 | 30       | 10       |          | 14       |            | 30         |
| WT10                        | 60                 |          |          |          |          | 3          | 60         |
| WT13                        |                    | 30       |          |          |          |            | 30         |
| <b>Shelduck</b>             |                    |          |          |          |          |            |            |
| WT08                        |                    |          |          |          |          | 2          | 2          |
| <b>Short-Eared Owl</b>      |                    |          |          |          |          |            |            |
| WT08                        |                    | 1        |          |          |          |            | 1          |
| WT09                        | 1                  |          |          |          |          |            | 1          |
| <b>Skylark</b>              |                    |          |          |          |          |            |            |
| WT07                        |                    |          | 12       | 4        |          |            | 12         |
| WT08                        |                    | 12       | 6        | 24       | 3        | 2          | 24         |
| WT09                        | 2                  | 70       | 30       | 20       |          | 1          | 70         |
| WT10                        | 30                 | 10       | 20       | 3        | 12       | 5          | 30         |

| Species/ Transect   | Monthly Peak Count |          |          |          |          |            | Peak Count |
|---------------------|--------------------|----------|----------|----------|----------|------------|------------|
|                     | Oct 2023           | Nov 2023 | Dec 2023 | Jan 2024 | Feb 2024 | March 2024 |            |
| WT13                |                    | 6        |          |          |          | 3          | 6          |
| <b>Snipe</b>        |                    |          |          |          |          |            |            |
| WT08                |                    |          | 9        | 4        |          |            | 9          |
| WT09                |                    |          | 3        | 1        |          |            | 3          |
| WT10                | 1                  | 26       |          |          | 12       | 17         | 26         |
| <b>Song Thrush</b>  |                    |          |          |          |          |            |            |
| WT07                | 1                  |          |          |          |          |            | 1          |
| WT08                |                    |          |          |          | 1        |            | 1          |
| WT09                |                    |          |          |          | 1        |            | 1          |
| WT10                |                    |          |          |          | 1        |            | 1          |
| <b>Sparrowhawk</b>  |                    |          |          |          |          |            |            |
| WT08                |                    |          |          | 1        |          |            | 1          |
| WT09                |                    | 1        |          |          |          |            | 1          |
| WT10                | 1                  |          |          | 1        | 1        |            | 1          |
| <b>Starling</b>     |                    |          |          |          |          |            |            |
| WT07                | 14                 | 16       | 8        | 1        |          |            | 16         |
| WT08                | 11                 | 50       | 25       |          | 70       | 200        | 200        |
| WT09                | 600                | 800      | 60       | 200      | 14       | 300        | 800        |
| WT10                | 200                | 120      | 400      | 200      | 1500     | 18         | 1500       |
| WT13                |                    | 150      |          |          |          |            | 150        |
| <b>Stock Dove</b>   |                    |          |          |          |          |            |            |
| WT07                |                    |          |          |          | 7        |            | 7          |
| WT08                |                    |          | 1        |          | 2        | 10         | 10         |
| WT09                |                    | 12       | 2        | 10       |          |            | 12         |
| WT10                | 4                  | 20       | 10       |          | 10       | 8          | 20         |
| <b>Stonechat</b>    |                    |          |          |          |          |            |            |
| WT07                |                    | 2        |          |          |          |            | 2          |
| WT10                |                    |          |          |          | 1        |            | 1          |
| <b>Swallow</b>      |                    |          |          |          |          |            |            |
| WT07                |                    |          |          | 1        |          |            | 1          |
| WT10                |                    |          |          | 2        |          |            | 2          |
| <b>Teal</b>         |                    |          |          |          |          |            |            |
| WT10                |                    |          |          |          | 85       | 4          | 85         |
| WT13                |                    | 40       |          |          | 300      |            | 300        |
| <b>Wheatear</b>     |                    |          |          |          |          |            |            |
| WT07                | 1                  |          |          |          |          |            | 1          |
| WT08                | 1                  |          |          |          |          |            | 1          |
| <b>Whooper Swan</b> |                    |          |          |          |          |            |            |
| WT07                |                    |          | 2        | 3        |          |            | 3          |
| WT08                |                    | 30       |          |          |          |            | 30         |
| WT09                |                    | 24       | 8        |          |          | 20         | 24         |
| WT10                |                    | 250      |          |          |          |            | 250        |
| WT13                |                    | 10       |          |          | 18       |            | 18         |
| <b>Wigeon</b>       |                    |          |          |          |          |            |            |
| WT10                |                    |          |          |          |          | 64         | 64         |

| Species/ Transect   | Monthly Peak Count |          |          |          |          |            | Peak Count |
|---------------------|--------------------|----------|----------|----------|----------|------------|------------|
|                     | Oct 2023           | Nov 2023 | Dec 2023 | Jan 2024 | Feb 2024 | March 2024 |            |
| WT13                |                    |          |          |          | 800      |            | 800        |
| <b>Woodcock</b>     |                    |          |          |          |          |            |            |
| WT07                |                    |          | 1        |          |          |            | 1          |
| WT08                |                    |          |          |          |          | 2          | 2          |
| <b>Woodpigeon</b>   |                    |          |          |          |          |            |            |
| WT07                | 8                  | 20       | 10       | 30       | 50       |            | 50         |
| WT08                | 6                  | 100      | 17       | 55       | 180      | 500        | 500        |
| WT09                | 210                | 80       | 300      | 60       | 18       | 30         | 300        |
| WT10                | 300                | 500      | 500      | 8        | 1000     | 400        | 1000       |
| WT13                |                    | 13       | 45       | 6        | 4        | 150        | 150        |
| <b>Wren</b>         |                    |          |          |          |          |            |            |
| WT07                |                    | 1        | 1        | 1        | 1        |            | 1          |
| WT08                |                    | 1        | 1        | 1        | 1        |            | 1          |
| WT09                | 1                  | 1        |          | 1        | 1        |            | 1          |
| WT10                | 1                  | 2        | 1        |          | 1        |            | 2          |
| WT13                |                    | 1        | 1        |          | 1        |            | 1          |
| <b>Yellowhammer</b> |                    |          |          |          |          |            |            |
| WT08                |                    | 1        |          |          |          |            | 1          |
| WT09                |                    | 5        |          | 10       |          |            | 10         |
| WT10                | 3                  |          |          |          | 30       |            | 30         |
| WT13                |                    | 6        |          |          |          |            | 6          |

## Appendix 8: Survey Results Maps

Figure A8.1: Notable Wildfowl observed from WT13

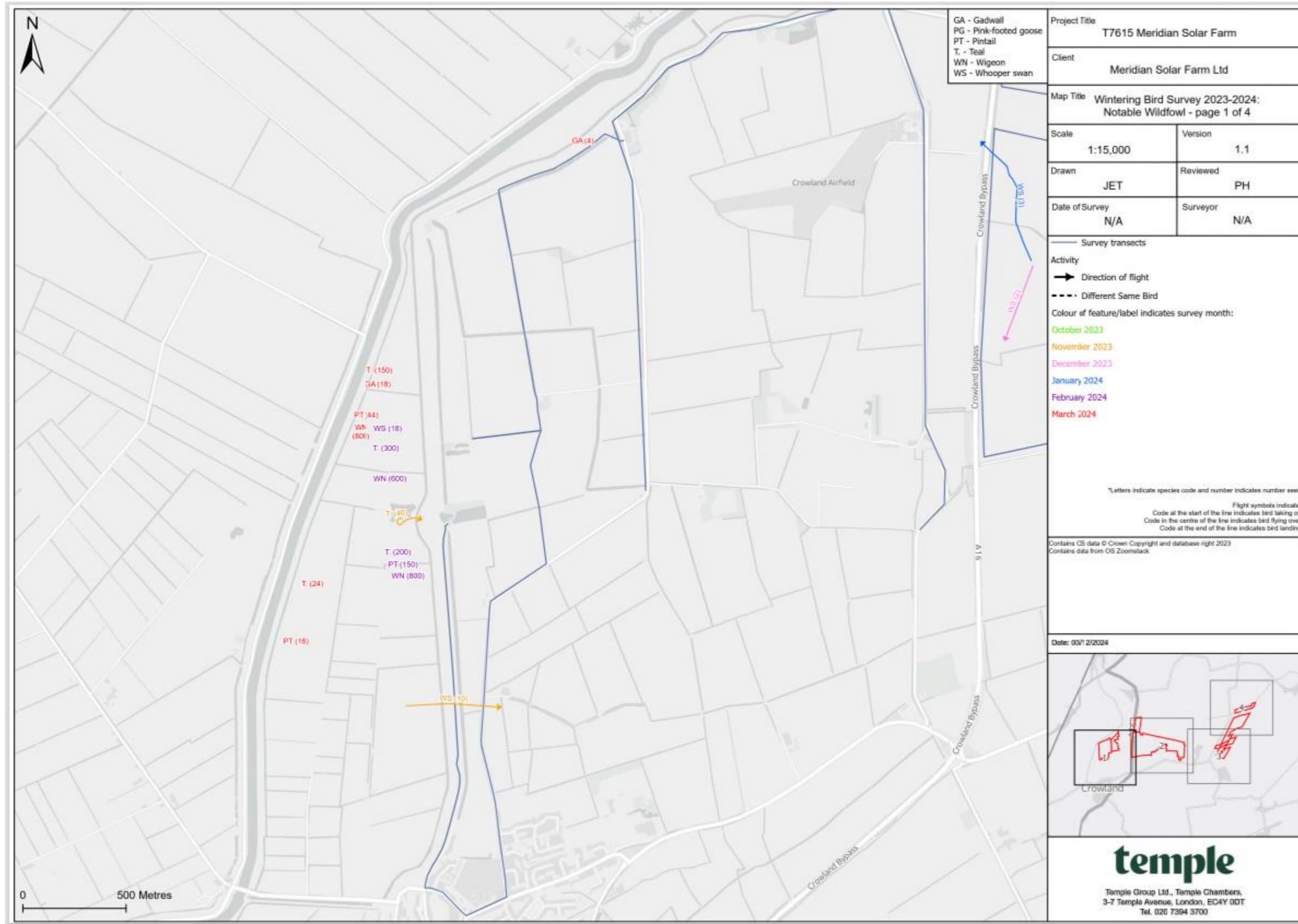


Figure A8.2: Notable Wildfowl observed from WT8 and WT9



Figure A8.3: Notable Wildfowl observed from the north of WT10

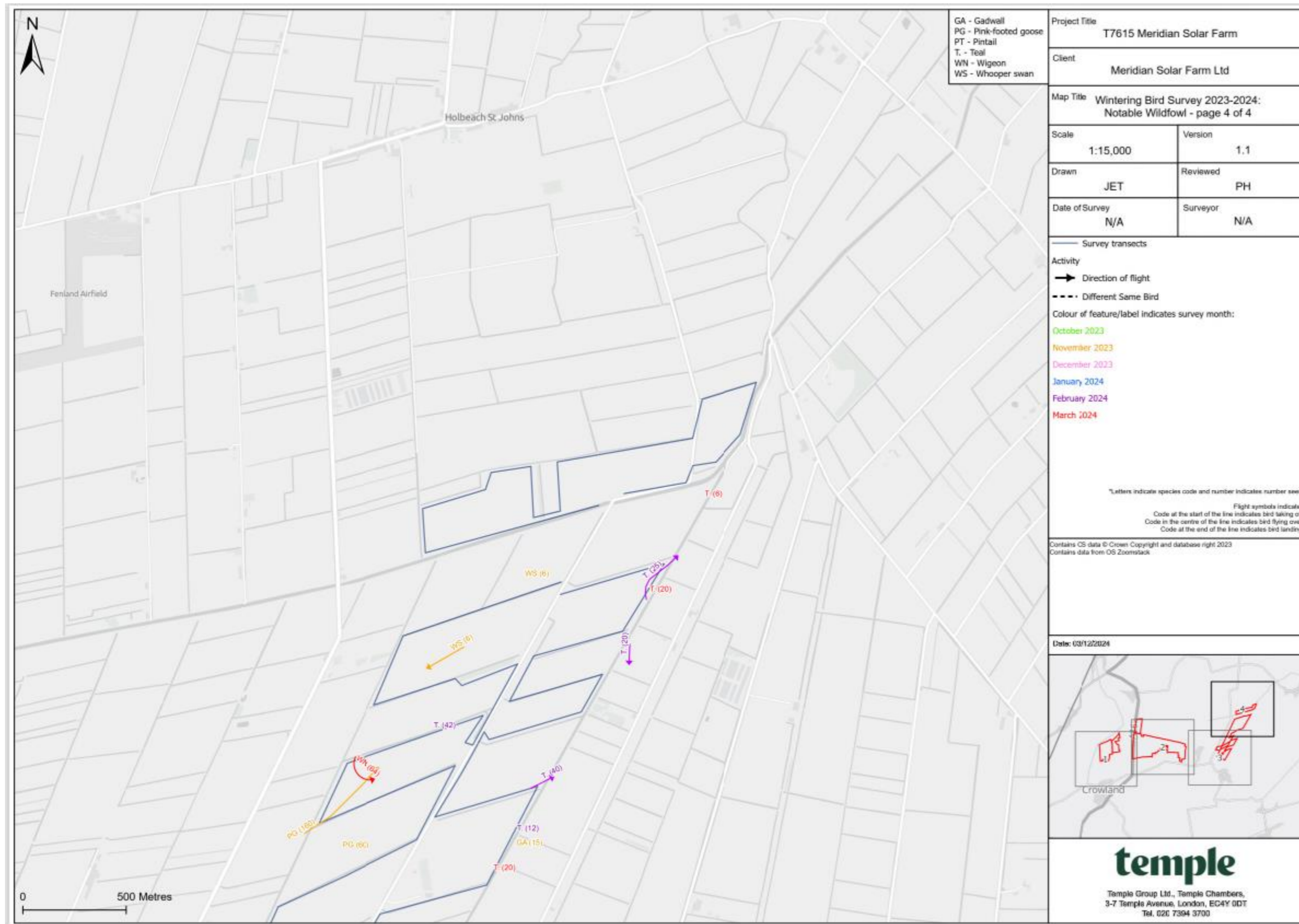


Figure A8.4: Notable Wildfowl observed from the south of WT10

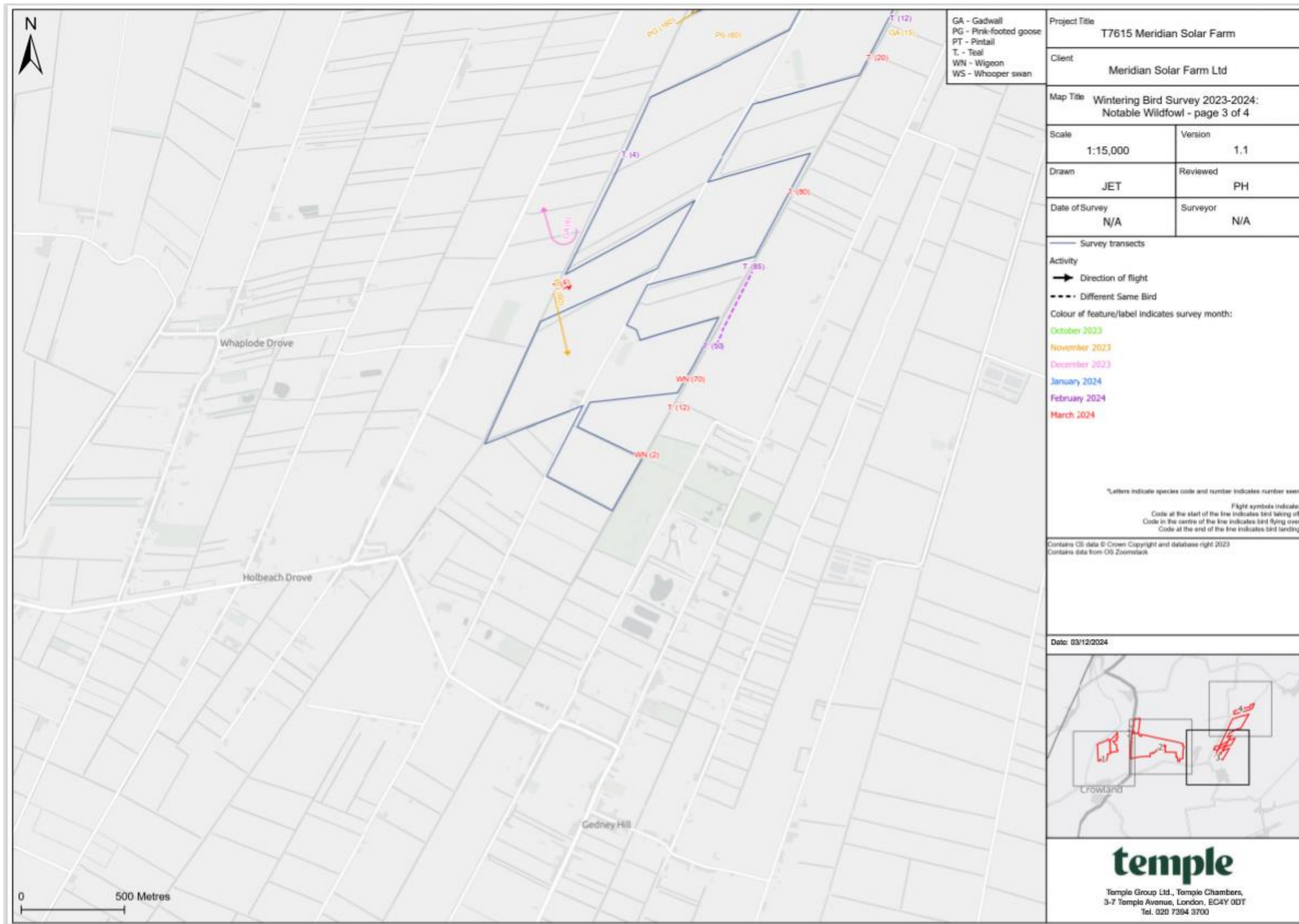


Figure A8.5: Linnet observed from WT113

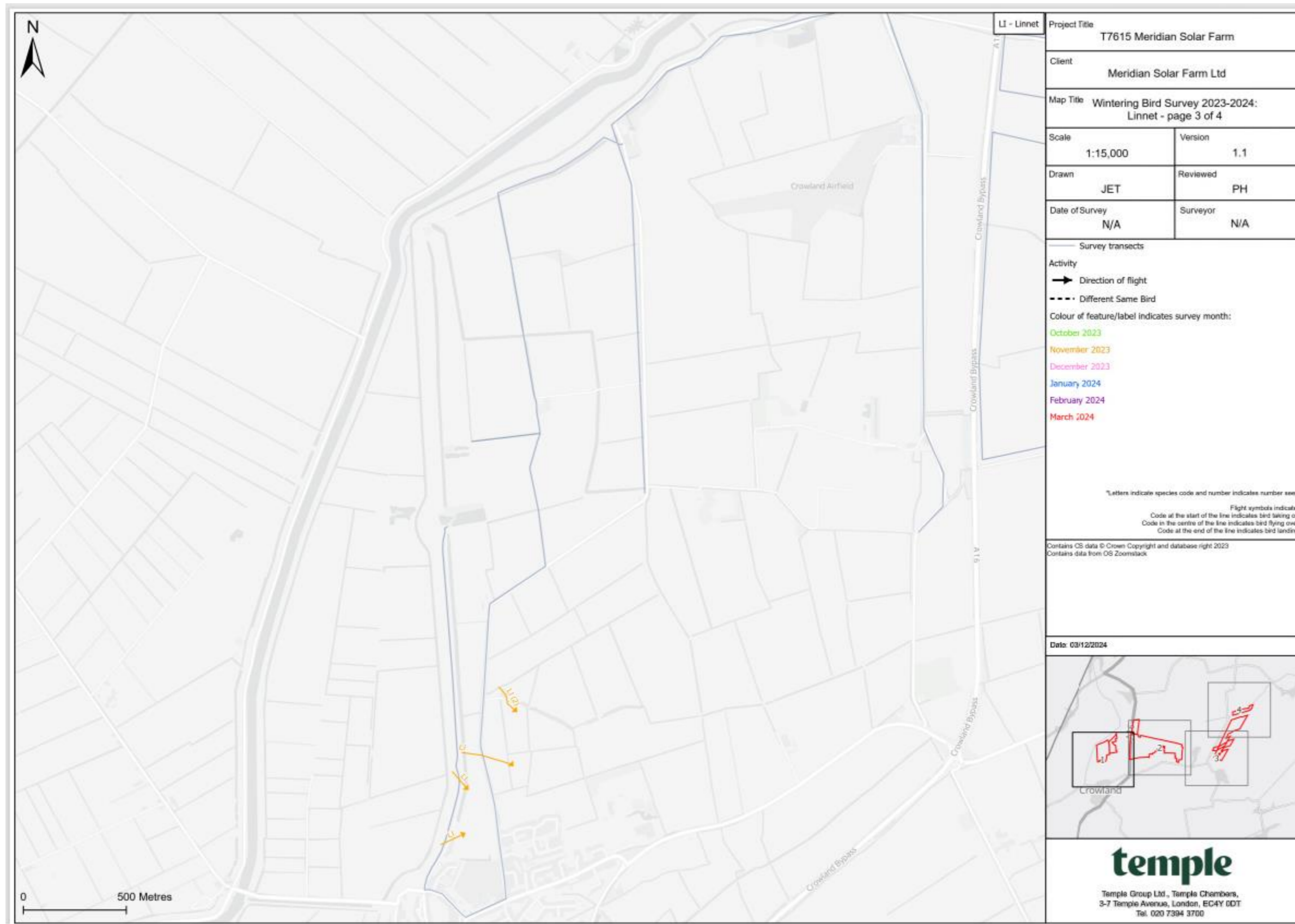


Figure A8.6: Linnet observed from WT8 and WT9

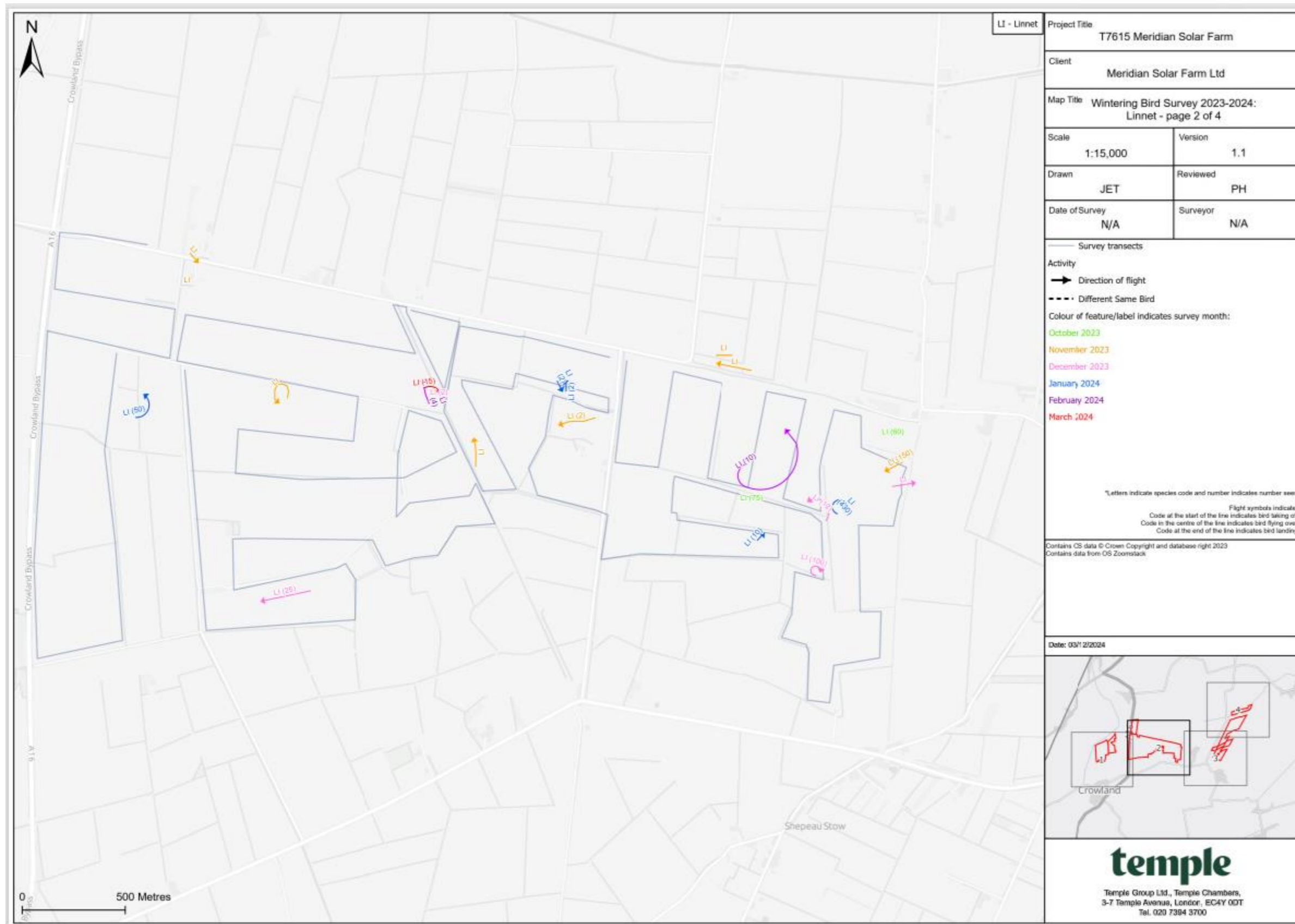


Figure A8.7: Linnet observed from the north of WT10

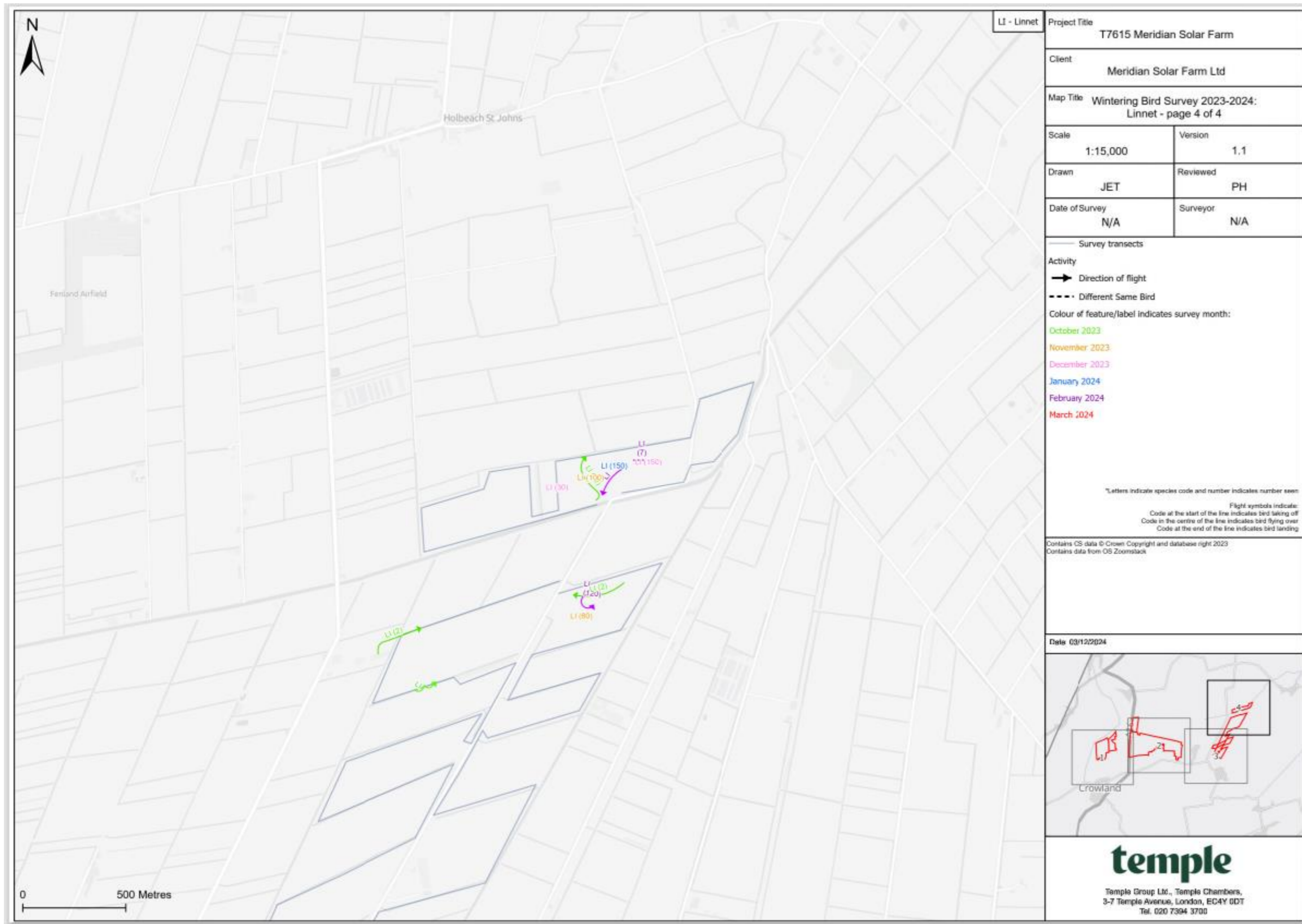


Figure A8.8: Linnet observed from the south of WT10

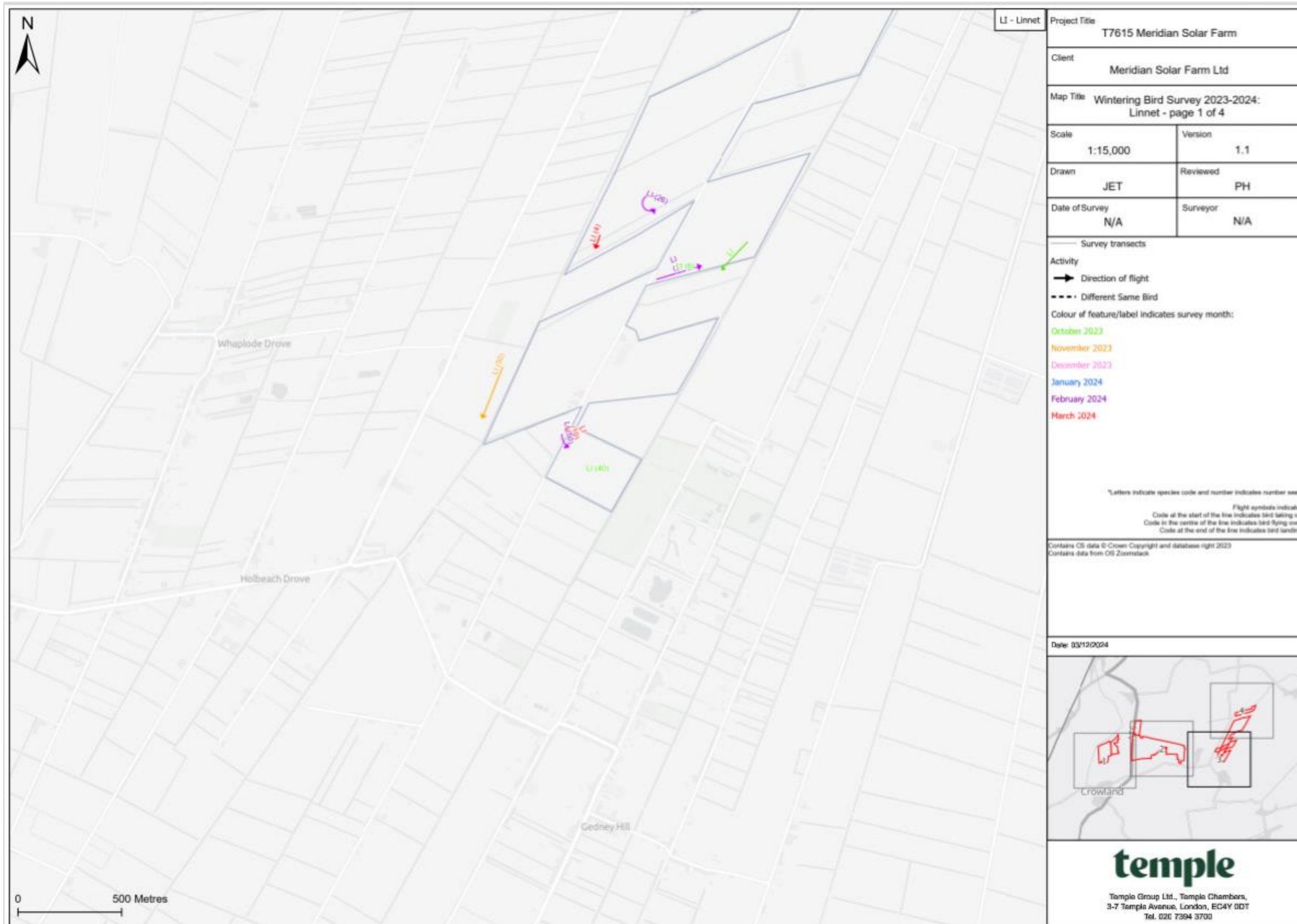


Figure A8.9: Skylark observed from WT13

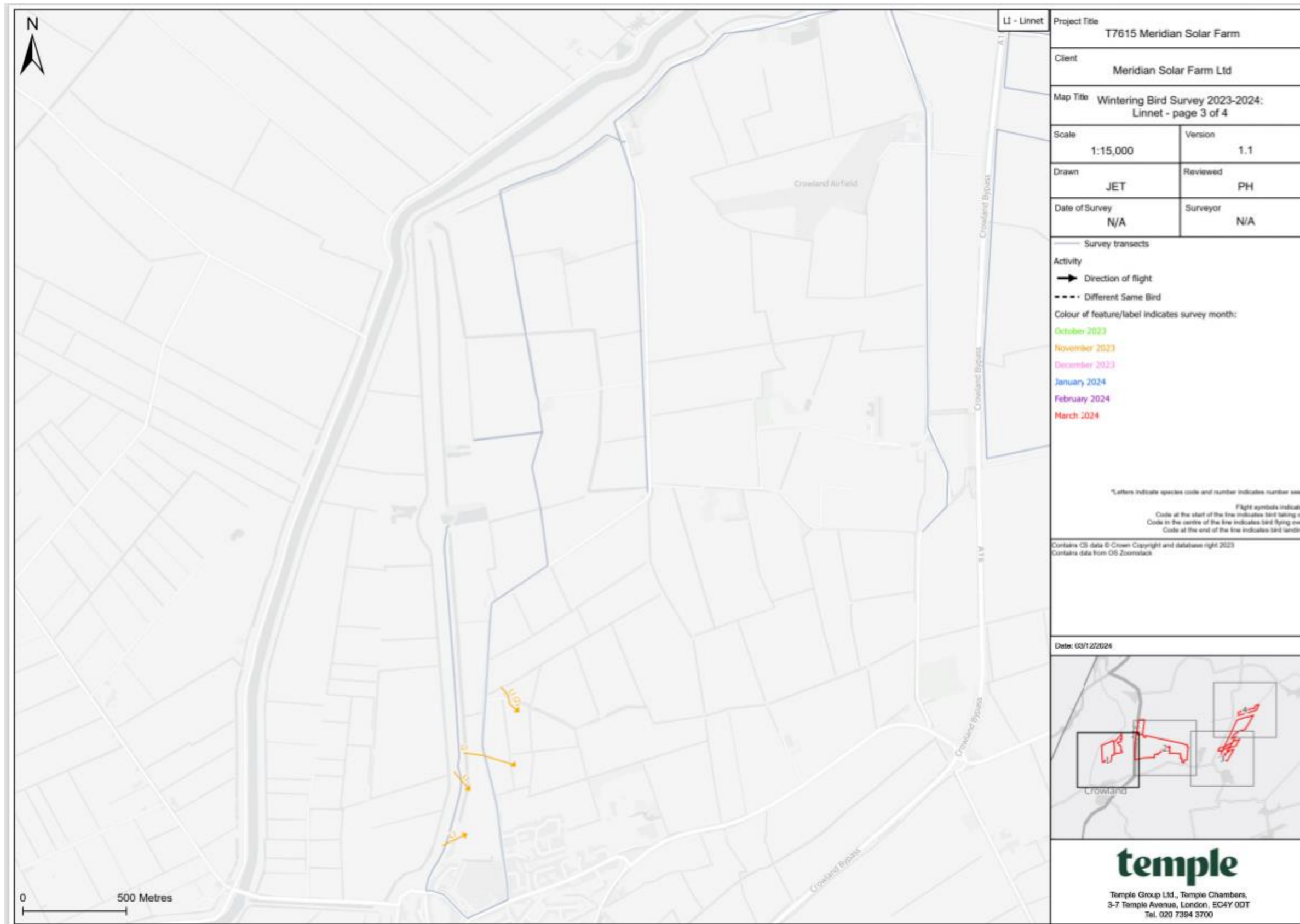


Figure A8.10: Skylark observed from WT8 and WT9

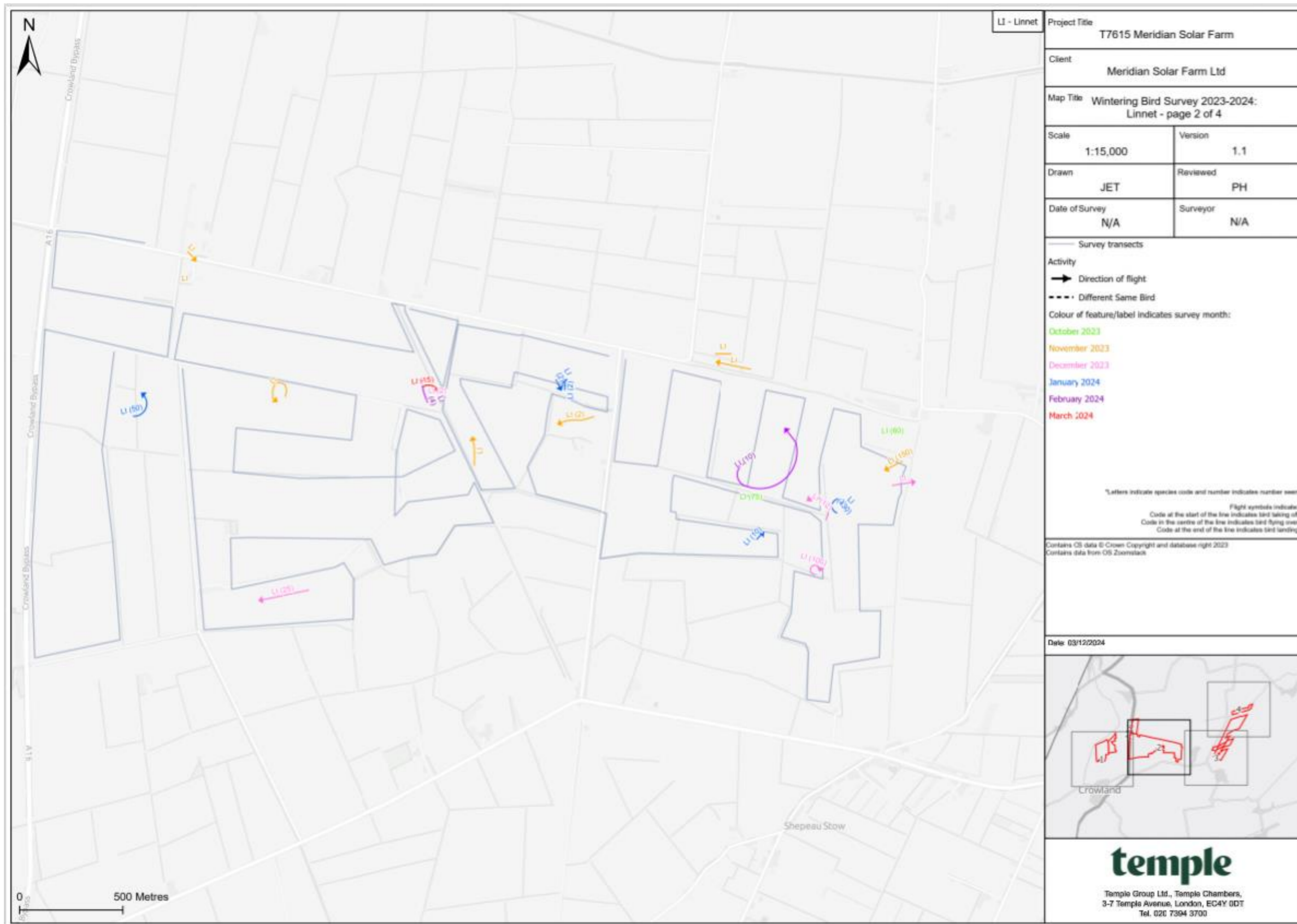


Figure A8.11: Skylark observed from the north of WT10

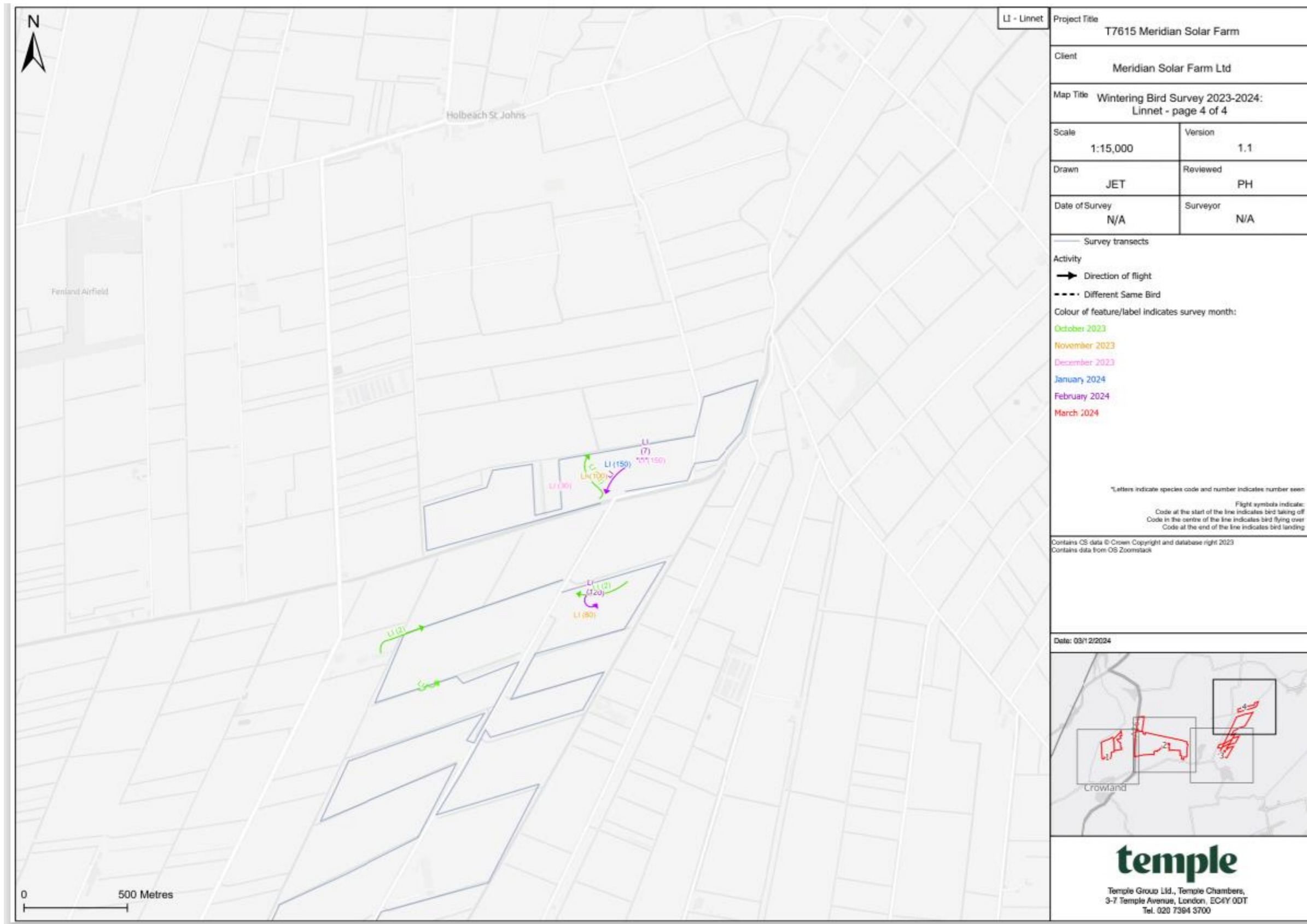


Figure A8.12: Skylark observed from the south of WT10

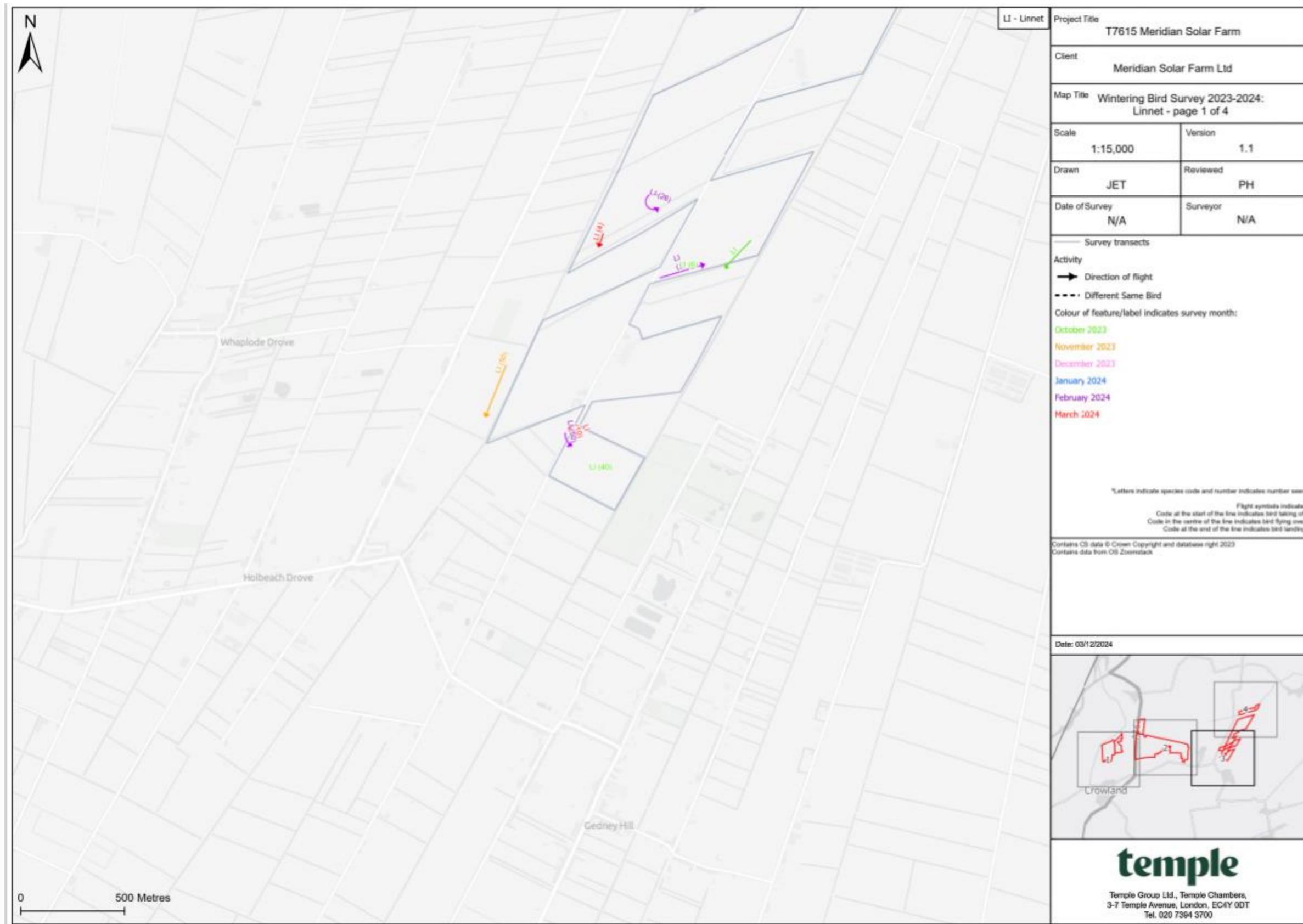


Figure A8.13: Yellowhammer observed from WT13

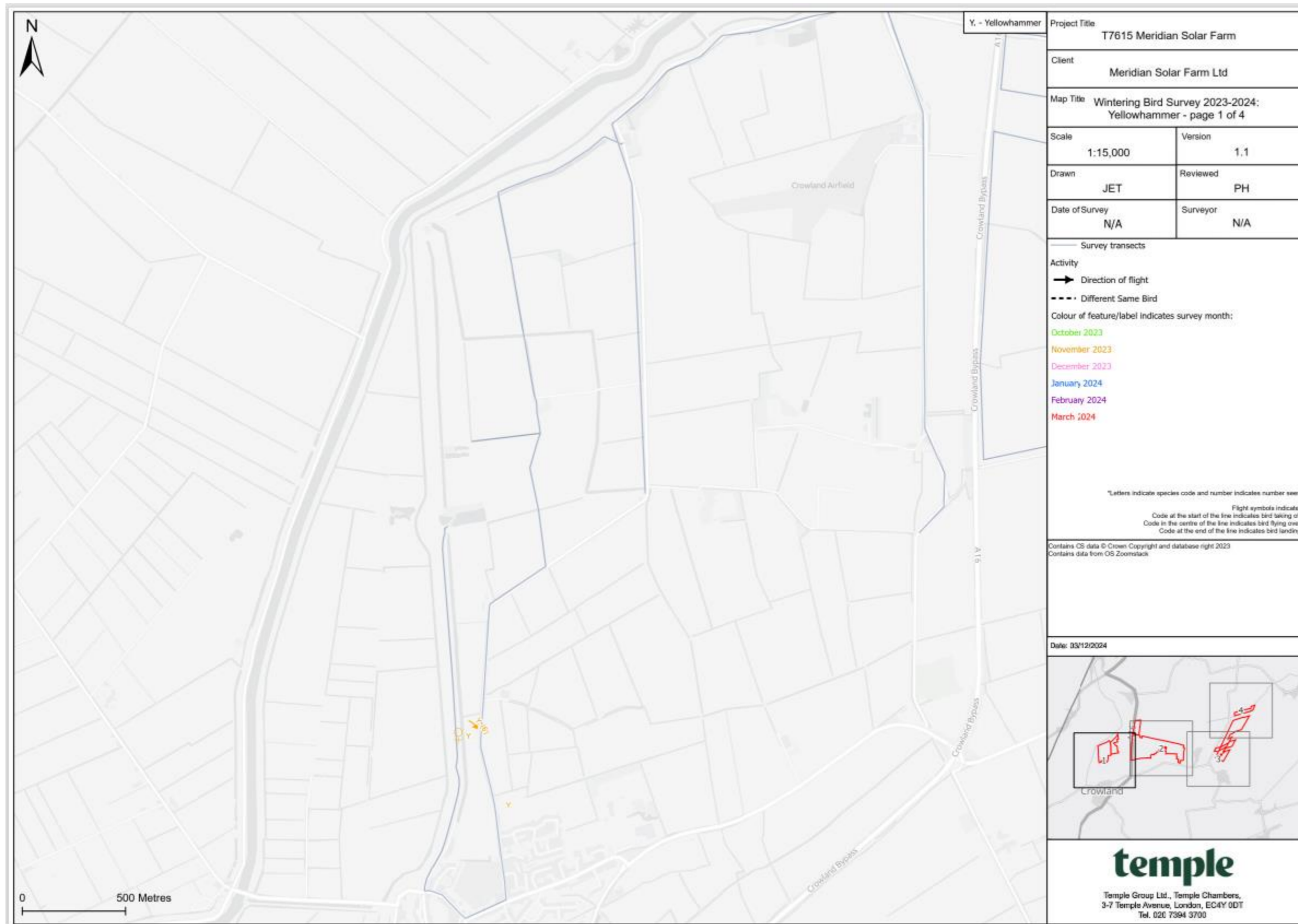


Figure A8.14: Yellowhammer observed from WT8 and WT9

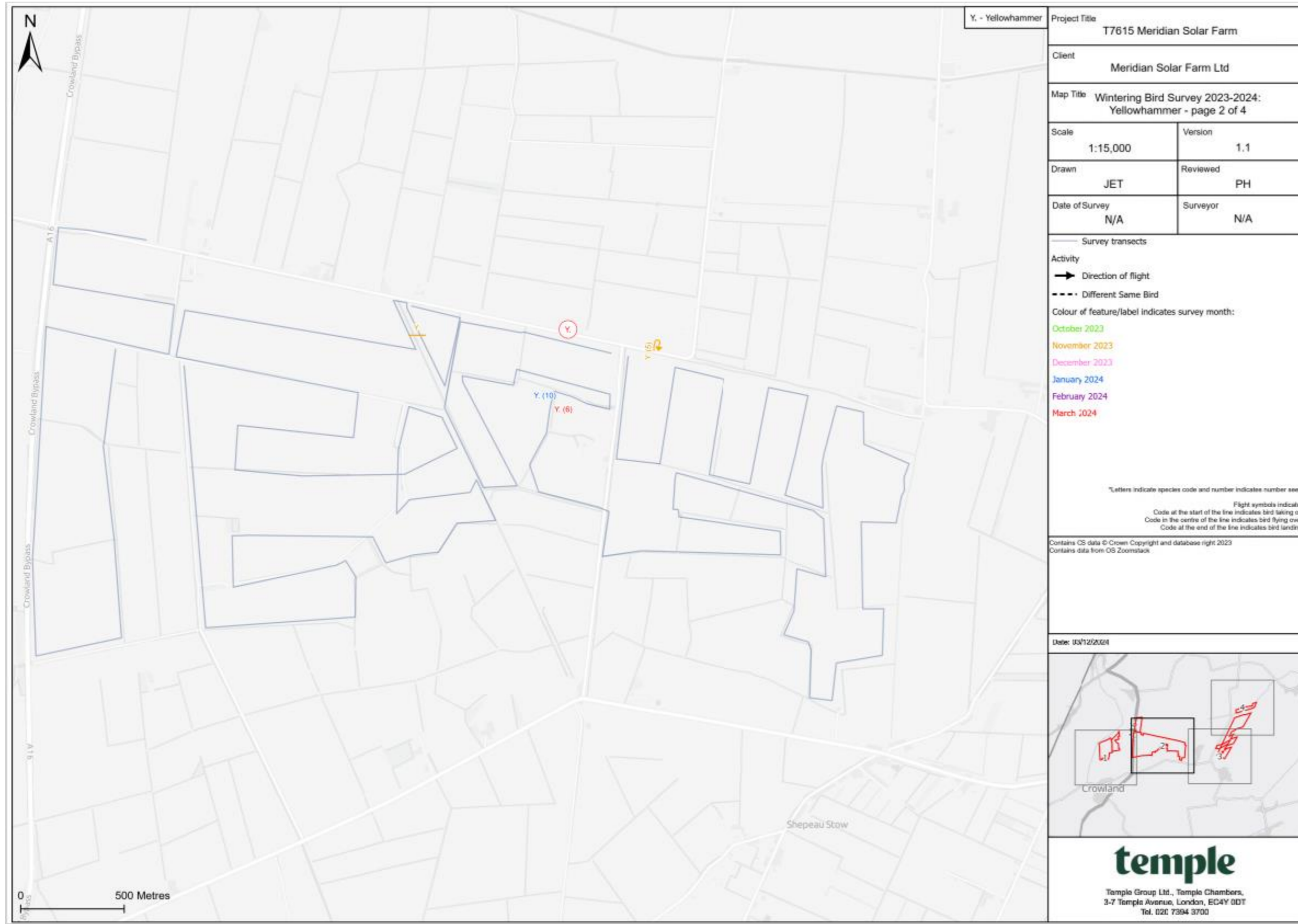


Figure A8.15: Yellowhammer observed from north of WT10

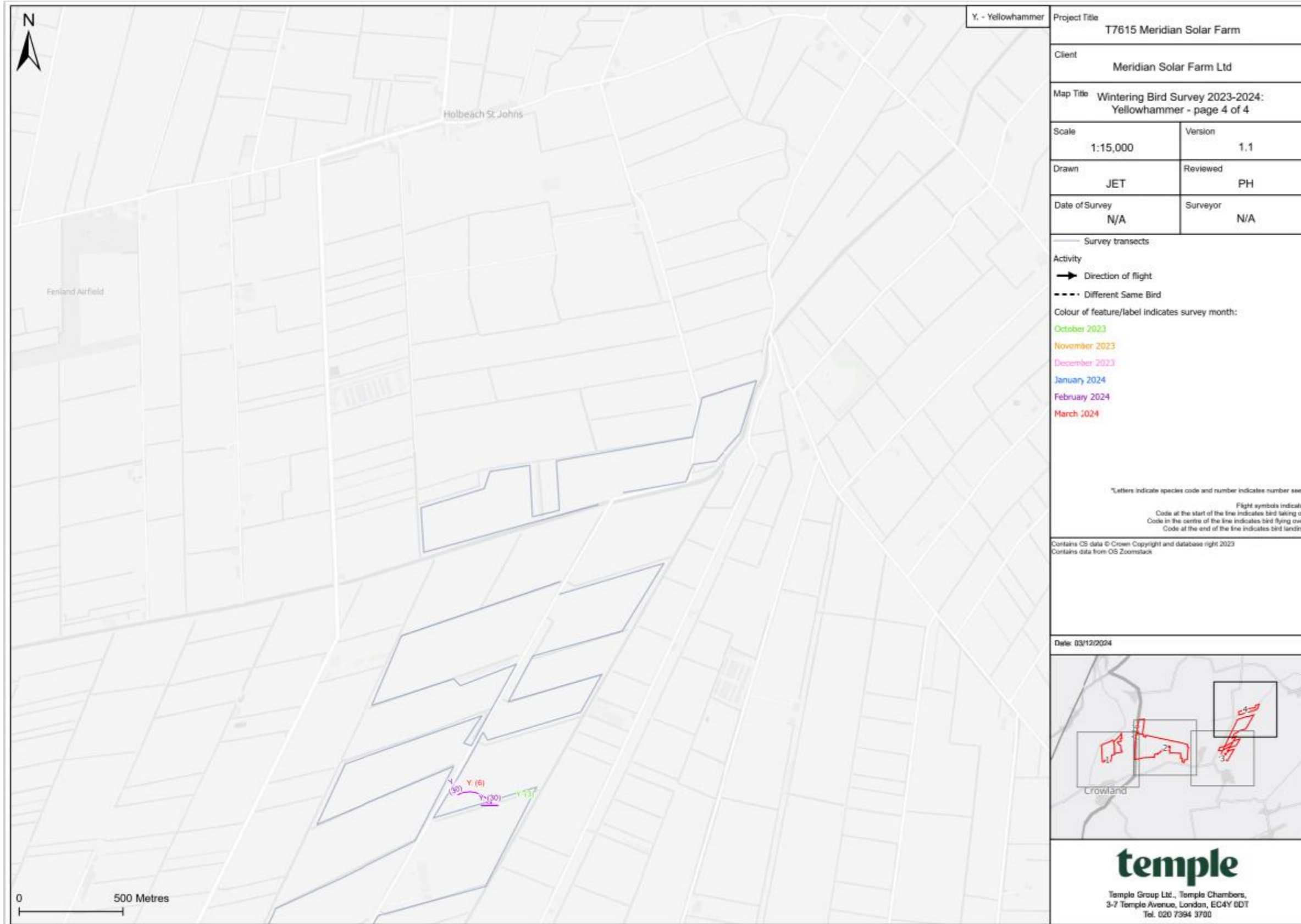
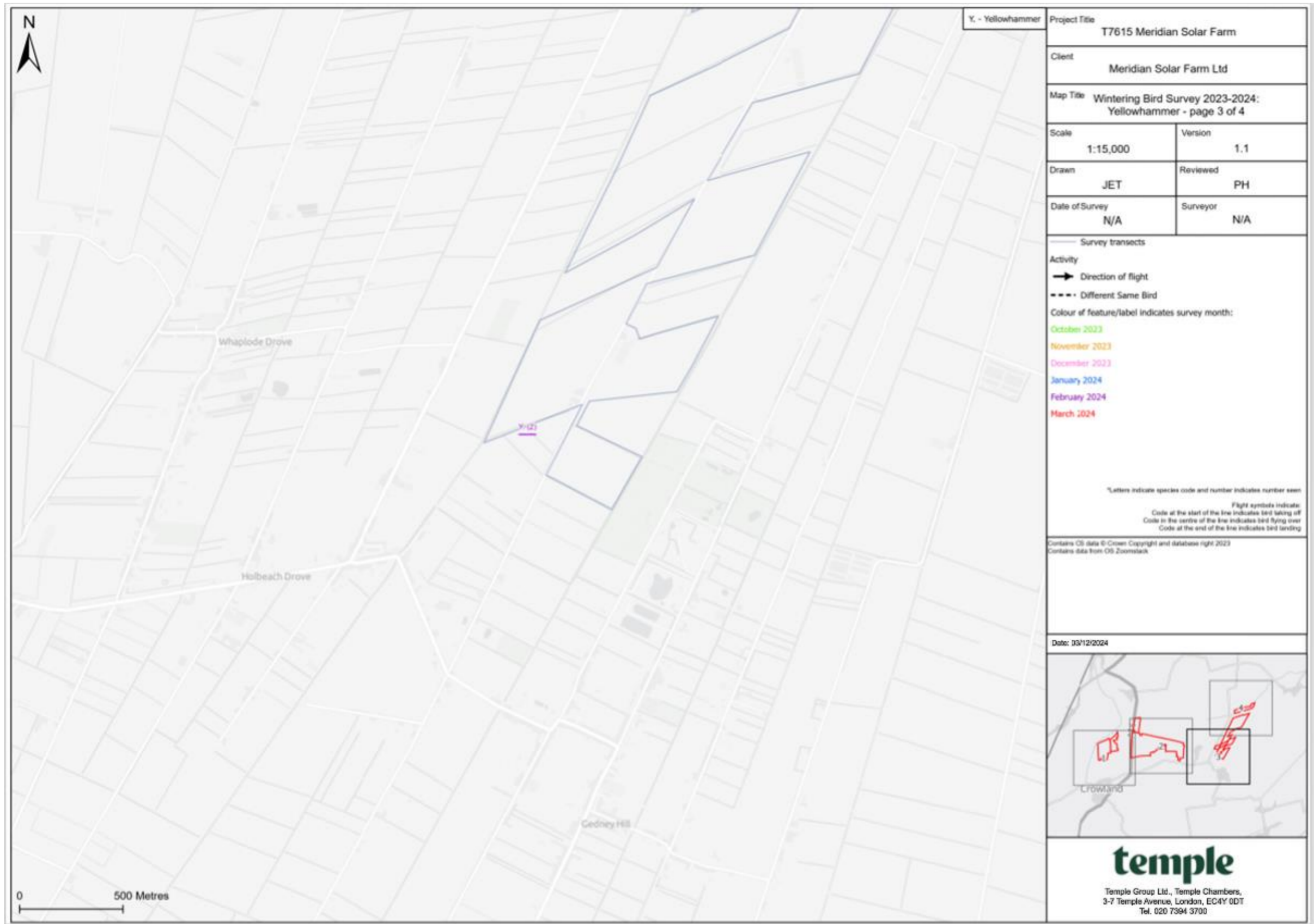


Figure A8.15: Yellowhammer observed from south of WT10



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