

# Tween Bridge Solar Farm

## Environmental Statement

### Appendix 7.3: Non-Breeding Bird Survey Report (Year 1 and Year 2)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

APFP Regulation 5(2)(a)

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## **Tween Bridge NSIP Solar Farm**

on behalf of Pegasus Planning Ltd.

### **Technical Appendix 7.3: Non-Breeding Bird Survey Report**





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# INTRODUCTION

## 1.1 Project Background

- 1.1.1 Avian Ecology Ltd. was commissioned by Pegasus Planning Ltd. to undertake non-breeding bird surveys in the 2022/2023 (Year 1) and 2023/2024 (Year 2) (passage and winter) periods in relation to a proposed renewable energy generating project ('The Order Limits'); consisting of ground-mounted solar photovoltaic ('PV') arrays, together with on-site energy storage and associated infrastructure.
- 1.1.2 The Scheme is located on land to the east of the town of Thorne and to the west of the town of Crowle (the 'Order Limits'), South Yorkshire at approx. central OS grid reference: SE 72436 11486.
- 1.1.3 This report presents the detailed methodologies and findings from surveys conducted between September 2022 and March 2023, and again between September 2023 and April 2024.

The objectives of this report are to:

- Identify the presence of non-breeding bird species (waterbirds) within the Order Limits, and on adjacent land; and,
  - Assess the potential importance of the non-breeding waterbird bird assemblages within the Order Limits and adjacent land supports.
- 1.1.4 The English vernacular bird names used in this report follows that of 'The British List: A Checklist of Birds of Britain (10th edition)' (British Ornithologists' Union, 2022).

## 1.2 The Order Limits

- 1.2.1 The Order Limits (see Figure 1) encompass a series of connected agricultural land parcels, predominantly under arable management. The fields are bounded by a network of watercourses, hedgerows, fences, and tree lines. A broadleaved woodland plantation copse is present within the area, along with several ponds.
- 1.2.2 The Tween Bridge Wind Farm, comprising twenty-two operational wind turbines, is located within the Order Limits. The Stainforth and Keadby Canal also intersects the centre of the Order Limits, running from west to east.
- 1.2.3 Several internationally and nationally designated sites of ornithological importance lie within proximity to the Order Limits. Within 10 km are key international sites such as the Humber Estuary SPA and Ramsar site, and the Thorne & Hatfield Moors SPA, all of which are designated for their ornithological importance.
- 1.2.4 Nationally, the Humberhead Peatlands National Nature Reserve, located directly adjacent to the Order Limits, includes the Thorne, Crowle and Goole Moors SSSI and Hatfield Moors SSSI sites, which are known to support ornithological populations.
- 1.2.5 The Order Limits also fall within Natural England's SSSI Impact Risk Zones (IRZs) for these sites, highlighting potential sensitivities to bird populations from nearby developments.

## 1.3 Bird Species Definitions

- 1.3.1 All non-breeding waterbird species will be hereafter referred to as "notable species".
- 1.3.2 Notable species also includes species comprising non-breeding (i.e. passage and wintering) qualifying interests of the Humber Estuary SPA and Ramsar site, otherwise referred to as "main component species" in line with



1.3.3 *Main Component species are defined as:*

- *All species listed individually under the assemblage feature on the SPA citation (i.e. the species that qualified in 2007 when the site was designated);*
- *Species which might not be listed on the SPA citation but occur at site levels of more than 1% of the national population according to the most recent Humber Estuary Wetland Bird Survey (WeBS) 5-year average count;*
- *Species where more than 2000 individuals are present according to the most recent Humber Estuary WeBS count.*

1.3.4 *Natural England advises that the main component species of the Humber Estuary SPA non-breeding waterbird assemblage include (June 2023):*

*Species listed individually under the assemblage feature on the SPA citation:*

- |                       |                 |
|-----------------------|-----------------|
| •Avocet;              | •Mallard;       |
| •Bar-tailed godwit;   | •Oystercatcher; |
| •Bittern              | •Pochard;       |
| •Black-tailed godwit; | •Redshank;      |
| •Brent goose;         | •Ringed plover; |
| •Curlew               | •Ruff;          |
| •Dunlin               | •Sanderling;    |
| •Golden plover        | •Scaup;         |
| •Golden eye           | •Shelduck;      |
| •Greenshank           | •Teal;          |
| •Grey plover;         | •Turnstone;     |
| •Knot;                | •Whimbrel;      |
| •Lapwing;             | •Wigeon;        |

1.3.5 *Species not listed on the SPA citation but occurring at site levels of more than 1% of the national population according to the most recent Humber Estuary Wetland Bird Survey (WeBS) 5-year average count:*

- Green sandpiper;*
- Greylag goose;*
- Little egret;*

<sup>1</sup> Natural England (2023) *Annex B: Humber Estuary Special Protection Area: non-breeding waterbird assemblage*. Version 1.2, June 2023. Available at: <https://nsip-documents.planninginspectorate.gov.uk/published-documents/EN020036-000104-Natural%20England.pdf> (Accessed: 16 July 2025).



- Pink-footed goose;

- Shoveler;

- Crane

1.3.6 Other species required for consideration but are not considered to be non-breeding waterbirds but are listed in the citation include:

- Hen harrier;

- Marsh harrier;

- Little tern;

- Avocet; and

- Bittern

#### Annex 1 and Schedule 1 species

1.3.7 Schedule one of the Wildlife and Countryside Act 1981 (as amended<sup>2</sup>) and Annex 1 species listed under Annex I of the EU Birds Directive (Directive 2009/147/EC<sup>3</sup>) recorded during the surveys will be referred to as such, unless included in the notable species definition above.

#### Secondary Species

1.3.8 All other species will be referred to as “Secondary Species”. These are species that are neither Schedule one, Annex I, or notable species.

## **2 METHODOLOGY**

### **2.1 Desk study**

2.1.1 A desk study was undertaken during 2023, to identify any existing ornithological records within a 2km radius of the Order Limits. Records were requested from the Doncaster Local Records Centre (DLRC) and Greater Lincolnshire Nature Partnership (GLNP).

2.1.2 For the purposes of this report, the search was refined to species listed as qualifying interest of the International sites within Humber Estuary Ramsar site and SPA, Amber List, Red List, NERC S41, Birds of Conservation Concern (BoCCs) Amber and Red List species (as per Stanbury *et al.*, 2021<sup>4</sup>), Doncaster and Lincolnshire Local Biodiversity Action Plan, Annex 1 and/or Schedule 1 species only and which may use the Order Limits for winter foraging.

2.1.3 Furthermore, the search was restricted to only those records for the last 10 years (2013; as part of the 2023 desk study search during the first issue of the report in 2023), to ensure the most up to date information is considered, and less relevant historic records discounted.

2.1.4 The results of the desk study are summarised in Section 3.1, with further details presented in Annex 1.

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<sup>2</sup> UK Government, 2025. Wildlife and Countryside Act 1981. [online] Legislation.gov.uk. Available at: <https://www.legislation.gov.uk/ukpga/1981/69> [Accessed 16 Jul. 2025].

<sup>3</sup> European Commission, 2023. Birds Directive. [online] Environment.ec.europa.eu. Available at: [https://environment.ec.europa.eu/topics/nature-and-biodiversity/birds-directive\\_en](https://environment.ec.europa.eu/topics/nature-and-biodiversity/birds-directive_en) [Accessed 16 Jul. 2025].

<sup>4</sup> Stanbury, A.J., Eaton, M.A., Aebischer, N.J., Balmer, D., Brown, A.F., Douse, A., Lindley, P., McCulloch, N., Noble, D.G. & Win, I. 2021. The status of our bird populations: the fifth Birds of Conservation Concern in the United Kingdom, Channel Islands and Isle of Man and second IUCN Red List assessment of extinction risk for Great Britain. British Birds 114: 747.



## 2.2 Non-breeding bird surveys methods during Year 1 and Year 2

- 2.2.1 Surveys were carried out within all suitable habitats within the Order Limits, and all suitable fields within a 600m buffer (the Wider Survey Area) of the Order Limits, as shown in Figure 1. The combination of the Order Limits and Wider Survey Area will be termed 'Survey Area' hereafter.
- 2.2.2 A total of 14 walkover survey visits (two per month) were completed between September 2022 and March 2023, one diurnal and one nocturnal, with 23 walk-over surveys (three per month, two in April) completed between September 2023 and April 2024. All walk-overs used the 'look-see' methodology as described in Gilbert *et al.* 1998<sup>5</sup>. During each survey visit surveyors observed each field within the Survey Area, walking the boundaries and stopping at intervals and scanning the fields for bird species, with binoculars.
- 2.2.3 All bird species seen and (or) heard were recorded onto field maps. The number of Secondary Species were tallied during the survey, however these were not formally mapped.
- 2.2.4 A total of seven Nocturnal walkover survey visits were completed adopting an adapted version of the 'look-see' methodology (Gilbert *et al.* 1998<sup>8</sup>). During each survey visit surveyors observed each field within the Study Area, walking the boundaries and stopping at intervals and scanning the fields for bird species, with thermal imaging cameras and recording vocalisations of birds where possible.
- 2.2.5 Surveys were carried out using Pulsar Lexion thermal imaging cameras used to aid detection of species and where possible record the birds to species level. Where individual birds were unidentifiable due to distance or small size of the species, surveyors used knowledge of behaviour and suitable habitat for these species to make an informed estimate of a species group e.g., *Calidris* wader (sanderling or dunlin).

### **Survey Area**

- 2.2.6 For ease of interpreting the survey results, fields within the Survey Area were numbered 1-570. Fields within the Order Limits and within the Wider Survey Area are defined in **Table 2.1 below** and illustrated on **Figures 2-7**.

**Table 2.1: Field allocations for Order Limits and Wider Survey Area.**

Land Parcel	Field Number Range
The Order Limits	1-13, 15-35, 37-43, 45-54, 60-64, 67-106, 113-120, 122, 129-130, 132-138, 141-142, 150-154, 168-176, 180, 217-218, 220-222, 226, 243-246, 248-249, 253-256, 275, 279-285, 289-292, 392, 394, 402, 407-413, 415-416, 420, 436-437, 496-500, 521, 563-564, 570-624 and 626.
Outside of the Order Limits	14, 36, 44, 55-59, 65-66, 107-112, 121-128, 131, 139, 140, 143-149, 155-167, 177-178, 181-216, 219, 223-242, 247, 250-252, 257-274, 276-278, 286-288, 293-406, 414, 417-435, 438-495, 501-543, 545-562, 565-569 and 625.

### **Survey Effort**

#### Year 1 (2022/23)

- 2.2.7 Non-breeding bird surveys (diurnal and nocturnal) were undertaken between September 2022 and April 2023.
- 2.2.8 During year 1, Nocturnal Bird Surveys were carried out in tandem with the diurnal non-breeding Bird Surveys.

#### Year 2 (2023/24)

- 2.2.9 A second year of non-breeding bird surveys were undertaken between September 2023 and March 2024.

<sup>5</sup> Gilbert G, Gibbons D.W. and Evans J. (1998) *Bird Monitoring Methods*. RSPB Sandy.



2.2.10 Nocturnal Bird Surveys were carried out separately from diurnal non-breeding Bird Surveys and were carried out monthly between September 2023 and March 2024.

### ***Vantage Point Surveys***

2.2.11 Between September 2023 and March 2024 (not carried out during the April 2024 passage period), Vantage Point (VP) flight activity surveys were undertaken from six VP locations:

- VP1 – SE 72180 11755;
- VP2 – SE 70377 08799;
- VP3 – SE 72059 09720;
- VP4 – SE 75858 10057;
- VP5 – SE 74195 12713; and,
- VP6 – SE 71099 15154.

2.2.12 Figure 8 shows the VP locations used and their viewshed coverage which appropriately covered the Order Limits.

2.2.13 The VP flight activity surveys followed the NatureScot guidance (SNH, 2017<sup>6</sup>) which although is intended for wind farm developments, is considered appropriate to use for the Scheme, in the absence of guidance specific to solar farm developments. Surveys were carried out over a 3hr period and flights and activity of Important Ornithological Features were recorded onto basemaps. Any activity by Secondary Species was also recorded every 15 minutes, but detailed flights of these species were not recorded.

2.2.14 All VP surveys were undertaken during daylight hours, and throughout the survey period surveys were timed to cover the full range of low and high tide times which are likely to influence bird use of nearby terrestrial habitats, such as within the Survey Area.

2.2.15 Survey effort for VP flight activity surveys and a breakdown of survey conditions are presented in **Annex 2**. A summary of VP survey effort is presented below in **Table 2.2**.

**Table 2.2: VP Flight Activity Survey Effort (hrs)**

VP	2023				2024			Total
	September	October	November	December	September	October	November	
1	3	3	3	3	3	3	3	21
2	3	3	3	3	3	3	3	21
3	3	3	3	3	3	3	3	21
4	3	3	3	3	3	3	3	21
5	3	3	3	3	3	3	3	21
6	3	3	3	3	3	3	3	21

### ***Field Survey Limitations***

2.2.16 In response to scheme design, the Order Limits boundary has evolved over time. As such, a c.25ha area beyond the southern boundary of the Survey Area was not subject to survey in 2022/23. This area consists of intensively managed agricultural land which is consistent with the majority of the Study Area. This area was surveyed in 2023/24, so was surveyed throughout the Year 2 survey period. It is therefore considered, that this combined with the relatively small extent of the area is not a limitation to the survey and subsequent assessment.

<sup>6</sup> Scottish Natural Heritage (2017) - *Guidance Note - Recommended Bird Survey Methods To Inform Impact Assessment of Onshore Windfarms* – available at <https://www.nature.scot/doc/recommended-bird-survey-methods-inform-impact-assessment-onshore-windfarms>



- 2.2.17 Access was permitted to all other parts of the Order Limits during all surveys. All fields considered suitable for notable species within the Wider Survey Area were visible from the Order Limits and/or PROWs.
- 2.2.18 Nocturnal surveys were aided by Pulsar nightvision scopes however, it is appreciated that identification to species level is not always possible, so observers used knowledge of likely species and their behaviour to identify species as best as possible.
- 2.2.19 No significant limitations in the field survey data in informing the design and assessment of the Scheme are therefore identified.

### ***Assessing Importance***

- 2.2.20 For the purposes of this report, the importance of the Survey Area to qualifying species and the wider assemblage of the nearby Humber Estuary Ramsar site and SPA is assessed using functional linkage, by comparing the relevant WeBS 5 year mean to the field surveys data (monthly peak counts). This was done with the most up to date WeBS data available 2022/23 and 2023/24 and therefore were compared against that year of data that was collected (**Table 3.1** and **3.2**).<sup>7</sup>

## **3 RESULTS**

### **3.1 Desk Study Results**

- 3.1.1 Over the duration of the survey programme the Draft Order Limits were revised as the project design evolved. Ornithology survey results in this appendices are presented based on the Draft Order Limits (survey area) as applicable at the time of survey, so as to fully present the extent of data collection including adjacent land which could potentially be impacted by the Scheme. It should therefore be noted that impact assessment utilises all data collected over the course of the survey programme, including the final Draft Order Limits, and is consequently robust.
- 3.1.2 **Annex 1** provides details of relevant recent historical ornithological records returned from the Devon Biodiversity Records Centre (DBRC) and Gloucestershire Local Nature Partnership (GLNP).
- 3.1.3 In summary relevant records included notable species, such as pink-footed goose, white-fronted goose, whooper swan, greylag goose, redshank and oystercatcher.
- 3.1.4 The most frequent records referred to those observations of birds within Crowle Moor and Thorne Moor within the Thorne & Hatfield Moors SPA to the immediate northeast of the Order Limits.
- 3.1.5 These records informed the identification of notable species for survey and recording and the approach to surveys, including the requirement for nocturnal surveys.
- 3.1.6 Although this data search was carried out in 2023, it remains relevant as the landscape has not changed, the species involved are highly mobile, and the data provides a good overall representation.

### **3.2 Non-Breeding Bird Surveys – Year 1 (2022/23)**

- 3.2.1 Ten qualifying species and species part of the wider waterbird assemblage were identified during the non-breeding bird surveys, within the Order Limits. The general trend of peak bird activity during autumn and early winter (September–January), with notable declines from February onward. greylag and pink-footed geese, lapwing, and golden plover were especially abundant in the earlier months. By March and April, most species

<sup>7</sup> Calbrade, N.A., Birtles, G.A., Woodward, I.D., Feather, A., Hiza, B., Caulfield, E., Balmer, D.E., Peck, K., Wotton, S.R., Shaw, J.M., and Frost, T.M. 2025.

Waterbirds in the UK 2023/24: The Wetland Bird Survey and Goose & Swan Monitoring Programme. BTO/RSPB/JNCC/NatureScot. Thetford.



had decreased significantly or disappeared altogether, indicating seasonal migration patterns or reduced local presence in late winter to early spring.

- 3.2.2 Other notable waterbird species recorded within the Order Limits include whooper swan (Annex 1) with two flocks of 23 and 34 recorded as utilising the area during February and January. Other records include grey heron (peak count 1), and little grebe (2).
- 3.2.3 Marsh harrier, a qualifying non-breeding species of the Humber Estuary SPA and Ramsar was recorded during September and December.
- 3.2.4 Schedule 1 bird species recorded within the Order Limits include barn owl (2), hen harrier (1), peregrine (1), osprey (1).
- 3.2.5 Outside of the Order Limits, seasonal patterns in bird activity, with peak counts occurring primarily in autumn and early winter were evident. Pink-footed goose (peak 700) and lapwing (peak 260) showed the highest numbers, especially in September and October, which coincides with the autumn migration period. Golden plover also peaked sharply in October (480) and did not reach numbers similar to this hereafter. Greylag goose numbers were minimal early on but rose significantly in February and March (peaks of 155 and 34), suggesting a later seasonal presence. Mallard exhibited steady presence through the winter months, peaking in January (42). Most other species appeared in low numbers or sporadically, with only isolated records, such as common crane (3) and marsh harrier (2).
- 3.2.6 Schedule one species recorded outside of the Order Limits, include barn owl (1), hen harrier (1), osprey (1), peregrine (1) and red kite (1).
- 3.2.7 All data collected can be found in **Annex 3**.

**Table 3.1: SPA qualifying species recorded within and outside of the Order Limits during 2022/23. Note that nocturnal and diurnal surveys were combined and peak count of the two is provided, alongside the percentage of the moving (2022/23) WeBS 5-year moving mean totals.**

Species	2022				2023		
	Sep	Oct	Nov	Dec	Jan	Feb	Mar
<b>Within the Order Limits</b>							
Curlew Humber Estuary 5 year mean 2022/23 <b>2,473</b>	0	0	0	0	0	0	2 (0.08%)
Golden plover Humber Estuary 5 year mean 2022/23 <b>21,160</b>	53 (0.25%)	0	0	37 (0.17%)	21 (0.10%)	0	0
Green sandpiper Humber Estuary 5 year mean 2022/23 <b>14</b>	<b>1 (7.14%)</b>	<b>1 (7.14%)</b>	<b>1 (7.14%)</b>	0	<b>1 (7.14%)</b>	0	0
Greylag goose Humber Estuary 5 year mean 2022/23 <b>2,569</b>	375 (14.60%)	0	19 (0.74%)	0	0	0	8 (0.31%)
Lapwing Humber Estuary 5 year mean 2022/23 <b>15,951</b>	390 (2.44%)	25 (0.16%)	31 (0.19%)	127 (0.8%)	260 (1.63%)	32 (0.20%)	32 (0.20%)
Little egret Humber Estuary 5 year mean 2022/23 <b>215</b>	0	1 (0.47%)	1 (0.47%)	0	0	0	1 (0.47%)



Mallard Humber Estuary 5 year mean 2022/23 <b>1,459</b>	<b>92 (6.31%)</b>	<b>24 (1.64%)</b>	0	12 (0.82%)	<b>27 (1.85%)</b>	<b>64 (4.39%)</b>	6 (0.41%)
Pink-footed goose Humber Estuary 5 year mean 2022/23 <b>23,330</b>	<b>330 (1.41%)</b>	<b>360 (1.54%)</b>	0	0	0	0	0
Shoveler Humber Estuary 5 year mean 2022/23 <b>317</b>	0	0	0	0	2 (0.63%)	0	0
Teal Humber Estuary 5 year mean 2022/23 <b>9,994</b>	0	2 (0.02%)	0	3 (0.03%)	6 (0.06%)	0	4 (0.04%)
<b>Outside of the Order Limits</b>							
Golden plover	76	480	21	20	1	0	38
Green sandpiper	0	0	0	1	0	0	0
Greylag goose	150	0	0	0	0	155	34
Lapwing	260	136	1	71	14	6	13
Little egret	1	2	1	1	1	0	0
Mallard	60	2	5	42	21	17	10
Pink-footed goose	700	42	0	0	0	21	0
Shoveler	1	0	0	0	0	0	0
Teal	0	0	0	0	23	3	9
Common crane	3	0	0	0	0	0	2

### 3.3 Non-Breeding Bird Surveys – Year 2 (2023/24)

- 3.3.1 Twelve notable non-breeding bird species that are qualifying features and part of the wider bird assemblage were recorded within the Order Limits during the non-breeding bird surveys.
- 3.3.2 Non-breeding bird species recorded within the Order Limits show clear seasonal trends among the bird species recorded throughout the Survey Area. Many species recorded, including dunlin, lapwing, greylag goose, golden plover, and pink-footed goose, peak in autumn (October–November), suggesting migratory stopovers or early winter arrivals. Several waterfowl, such as mallard, wigeon, and teal, are more prominent during winter months (December–February), indicating overwintering behaviour. In early spring (March–April), species such as curlew, little egret, and oystercatcher begin to appear, likely reflecting returning migrants. Overall, there is a pattern of sharp autumn influxes followed by gradual winter declines and early spring arrivals.
- 3.3.3 Outside of the Order Limits shows that most species peak in autumn (September–November), especially pink-footed goose, greylag goose, and golden plover, indicating migratory movement. Lapwing, Mallard, and Teal maintain more consistent presence across months, with Mallard and Lapwing showing slight increases in February–March. Little egret appeared most common in early autumn, disappearing by winter. Overall, the area appears to support autumn migration activity, with fewer species and lower numbers through winter and early spring.
- 3.3.4 Only a small number of fields and months exceeded the 1% threshold of the Humber Estuary 5-year mean (2022/23) for each species within the Order Limits. These were: mallard in field 20 (92 birds in September 2022), lapwing in field 65 (260 in September 2022), green sandpiper in fields 50 and 63 (1 in October 2022) and field 129 (1 in November 2022), and pink-footed goose in field 39 (475 in October 2022), field 31 (360 in November 2022), and field 42 (330 in September 2022). All other records were below the 1% threshold.
- 3.3.5 All data collected can be found in **Annex 3**



**Table 3.2. SPA qualifying species and species part of the wider waterbird assemblage recorded within and outside of the Order Limits during the Winter Walkover and Nocturnal Bird Surveys combined during 2023/24.**

Note that nocturnal and diurnal surveys were combined and the maximum peak count of the two is provided alongside the percentage of the most up to date (2023/24) WeBS 5-year mean totals.<sup>8</sup>

Species	2023				2024			
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
<b>Within the Order Limits</b>								
Curlew WeBS 5-year mean for the Humber Estuary <b>2,473</b>	0	0	0	0	0	0	2 (0.16%)	2 (0.16%)
Dunlin WeBS 5-year mean for the Humber Estuary <b>22,346</b>	0	6 (0.027%)	27 (0.121%)	0	0	0	0	0
Little egret WeBS 5-year mean for the Humber Estuary <b>226</b>	0	1 (0.442%)	0	0	0	0	1 (0.442%)	0
Green sandpiper WeBS 5-year mean for the Humber Estuary <b>19</b>	0	0	0	1 (5.26%)	0	0	0	0
Greylag goose WeBS 5-year average for the Humber Estuary <b>2285</b> <sup>9 10</sup>	0	210 (9.19%)	157 (6.87%)	12 (0.52%)	0	27 (1.18%)	76 (3.33%)	9 (0.39%)
Golden plover (WeBS 5-year mean for the Humber Estuary <b>21,623</b> )	0	0	82 (0.38%)	2 (0.009%)	84 (0.389%)	0	6 (0.028%)	0
Lapwing WeBS 5-year mean for the Humber Estuary <b>11,859</b>	5 (0.042%)	220 (1.855%)	371 (3.129%)	53 (0.447%)	79 (0.666%)	147 (1.24%)	11 (0.093%)	4 (0.034%)
Mallard WeBS 5-year mean for the Humber Estuary 1,459	2 (0.14%)	33 (2.26%)	78 (5.35%)	125 (8.567%)	49 (3.357%)	92 (6.305%)	16 (1.096%)	10 (0.685%)
Oystercatcher WeBS 5-year mean for the Humber Estuary 7,218	0	0	0	0	0	0	2 (0.028%)	0
Pink-footed goose	0	1600* (5.85%)	620 (2.27%)	194 (0.71%)	0	1530 (5.63%)	0	0

<sup>8</sup> Calbrade, N.A., Birtles, G.A., Woodward, I.D., Feather, A., Hiza, B., Caulfield, E., Balmer, D.E., Peck, K., Wotton, S.R., Shaw, J.M., and Frost, T.M. 2025.

Waterbirds in the UK 2023/24: The Wetland Bird Survey and Goose & Swan Monitoring Programme. BTO/RSPB/JNCC/NatureScot. Thetford.

<sup>9</sup> Contains Wetland Bird Survey (WeBS) data from Waterbirds in the UK 2023/24 © copyright and database right 2025. WeBS is a partnership jointly funded by the BTO, RSPB and JNCC, with fieldwork conducted by volunteers.

<sup>10</sup> Contains Goose and Swan Monitoring Programme (GSMP) data from Waterbirds in the UK 2023/24 © copyright and database right 2025.

GSMP is a partnership, run by and jointly funded by BTO, JNCC and NS, with fieldwork conducted by both volunteer and professional surveyors.



WeBS 5-year mean for the Humber Estuary <b>27,329</b>								
Teal WeBS 5-year mean for the Humber Estuary <b>9,994</b>	0	0	0	2 (0.020%)	12 (0.120%)	2 (0.020%)	2 (0.020%)	1 (0.010%)
Wigeon WeBS 5-year average for the Humber Estuary <b>6,452</b>	0	6 (0.093%)	0	0	0	42 (0.651%)	0	0
<b>Outside of the Order Limits</b>								
Little egret	2	2	6	4	0	0	0	0
Greenshank	1	0	1	0	0	0	0	0
Greylag goose	0	184	36	64	0	0	22	1
Golden plover	0	3	20	0	1	0	0	0
Lapwing	54	48	28	12	27	66	29	2
Mallard	49	57	28	30	8	63	47	2
Pink-footed goose	0	1120	0	668	14	0	0	0
Teal	3	4	5	18	8	9	6	2

\* Single large flock spread across four fields (1,600, 1,400, 84 and 9 birds) showing large flock of 3,133 birds

- 3.3.6 Other notable waterbirds recorded during the non-breeding bird surveys and are not considered part of the SPA wider assemblage, include gull species (black-headed, common, herring, lesser black-backed and greater black-backed), cormorant, Canada goose, Egyptian goose, gadwall, goosander, grey heron, mute swan and tufted duck.
- 3.3.7 Schedule 1 species recorded within the Order Limits also include barn owl, merlin and peregrine, where a single bird was recorded during the surveys. Marsh harrier (peak count of one individual), an SPA qualifying species were also recorded within the Order Limits foraging, as well as outside of the Order Limits.
- 3.3.8 Several species exceeded the 1% threshold of their WeBS 5-year mean within the Order Limits, indicating potential use of Functionally Linked Land (FLL). Notably, greylag goose, lapwing, mallard, and pink-footed goose regularly surpassed this threshold across multiple months, while green sandpiper exceeded it in January due to a low baseline.
- 3.3.9 Fields 17 and 18 appeared to support the following qualifying species, greylag goose, pink-footed goose, lapwing and mallard in numbers close to or exceeding the 1% threshold. Field 17 showed significant exceedances, especially in autumn, with high counts for both Greylag Goose (210 individuals in mid-September and 27 in early October) and Pink-footed Goose (1440 individuals, mid-September). Lapwing numbers (up to 100 in February) also approached the threshold here, highlighting this site's consistent value for multiple species.
- 3.3.10 Field 18 similarly demonstrated considerable importance, notably for Lapwing with high counts recorded in late September (371 individuals) and again in late November (147 individuals), exceeding the WeBS 1% thresholds. Greylag Goose was recorded at 157 individuals in late September. Mallard numbers were particularly notable, peaking at 29 in September and 125 birds in October.
- 3.3.11 Field 16 appeared to support geese during September, greylag (135) and pink-footed goose (1600).
- 3.3.12 See below for a summary of field usage and 1% threshold exceedance of SPA qualifying features and the wider assemblage.
- Field 8: mallard in November (17 individuals);



- Field 11: lapwing (111 in September) and pink-footed goose (1530 in January).
- Field 16: Key site for geese in September—Greylag (135) and Pink-footed (1600).
- Field 17: greylag goose (210, 27) and pink-footed goose (1440).
- Field 18: lapwing (371, 147), greylag goose (157), and mallard (125, 29).
- Field 37: Green Sandpiper (1), exceeding its threshold) in October.
- Field 86: Important mallard (78) in early October.
- Field 115: Notable mallard site during winter (49, 28 individuals in Jan-Feb).
- Field 168: pink-footed goose (620) and greylag goose (38).
- Field 253: mallard (33, 37).
- Field 280: mallard (37 in March).
- Field 281: lapwing site (220).
- Field 289: Important greylag goose area (57 in September).
- Field 291 & 292: lapwing during September (129 and 257 respectively).
- Field 402: greylag goose (76 in December).

### 3.4 Vantage Point Flight Activity Survey Results

- 3.4.1 Over the six surveys undertaken from each of the six vantage points between September 2023 and March 2024, species associated with the Humber Estuary SPA and Ramsar site included golden plover, pink-footed goose lapwing and marsh harrier. Additional IOFs comprised common crane.
- 3.4.2 Flocks that exceeded 100 birds included pink-footed goose (eight flocks of between 107 and 220 birds between September 2023 and November 2023) and lapwing (six flocks of between 130 and 310 birds in October 2023, January 2024 and February 2024). Observations generally involved flocks flying over the Order Limits, with the exception of two flocks of lapwing (127 birds in October 2023 and 156 birds in January 2024) seen to land and/or be present feeding on the ground throughout the survey, which is located outside of the Order Limits.
- 3.4.3 Birds recorded during the vantage point flight activity surveys both on the ground and in flight are summarised in **Table 3.3**. Full survey effort is shown in **Annex 2** with the details of each flight observation shown in **Annex 4**.

**Table 3.3: Vantage point flight activity survey results during 2023/24**

Vantage Point	Species	No. Observations	No. Birds	On Ground?	Fields
1	Pink-footed goose	4	223	No	Flew over the Order Limits and study area in flocks of up to 148 birds
	Golden plover	1	23	No	Flew over the Order Limits
	Marsh harrier	5	5	No	Hunting over fields
2	Pink-footed goose	5	143	No	Flew over the Order Limits in flocks of up to 47 birds
	Lapwing	3	384	No	Flew over the Order Limits in
	Marsh harrier	4	4	No	Hunting over fields
3	Pink-footed goose	7	376	No	Flew over the Order Limits in flocks of up to 141 birds



Vantage Point	Species	No. Observations	No. Birds	On Ground?	Fields
	Common crane	1	2	No	Flew from the adjacent Hatfield Moors SSSI
	Lapwing	1	2	No	Flew over the Order Limits
	Marsh harrier	2	2	No	Hunting over fields.
4	Pink-footed goose	304	11	Yes/No	Flew over the Order Limits in flocks of up to 107 birds and birds foraging on the ground of up to 7 birds.
	Lapwing	855	7	Yes/No	Flew over the Order Limits in flocks of up to 310 birds and birds foraging on the ground of up to 127 birds.
	Marsh harrier	3	3	No	Hunting over fields
5	Pink-footed goose	9	607	No	Flew over the Order Limits in flocks of up to 220 birds
	Marsh harrier	4	4	No	Hunting over fields
6	Pink-footed goose	15	611	No	Flew over the Order Limits in flocks of up to 140 birds
	Marsh harrier	4	4	No	Hunting over fields



## ANNEX 1: DESK STUDY RESULTS

**Table A1.1** provides a list of the species returned from the desk study from DLRC and GLNP.

**Table A1.1: Desk study results provided by GLNP and DLRC.**

Common name	No. of records	Source	Most recent record
Barn owl	22	GLNP	2022
	2	DLRC	2015
Bittern	3	GLNP	2021
Black Tern	1	DLRC	2018
Black stork	2	GLNP	2014
Black-headed gull	15	DLRC	2020
Black-necked grebe	1	GLNP	2018
Bullfinch	14	GLNP	2021
	15	DLRC	2018
Cetti's warbler	27	GLNP	2022
	7	DLRC	2021
Common gull	7	DLRC	2018
Corn bunting	4	GLNP	2021
	3	DLRC	2018
Common crane	1	DLRC	2019
Cuckoo	35	GLNP	2022
	3	DLRC	2021
Curlew	7	GLNP	2021
	6	DLRC	2018
Duncock	1	GLNP	2021
	9	DLRC	2018
Fieldfare	25	GLNP	2022
	16	DLRC	2020
Gadwall	9	GLNP	2017
	16	DLRC	2018
Garganey	3	GLNP	2015
Golden oriole	1	GLNP	2018
Goldeneye	1	DLRC	2018
Golden plover	7	DLRC	2018
Goosander	11	DLRC	2021
Grasshopper warbler	7	GLNP	2020
Great white egret	1	DLRC	2018
Green sandpiper	2	GLNP	2014
	4	DLRC	2018
Greenland white-fronted goose	1	GLNP	2017



Common name	No. of records	Source	Most recent record
Greenfinch	5	DLRC	2018
Grey partridge	10	GLNP	2022
Grey wagtail	2	DLRC	2020
Greylag goose	34	GLNP	2022
	11	DLRC	2018
Hawfinch	1	DLRC	2014
Hen harrier	10	GLNP	2020
Herring gull	4	DLRC	2020
Hobby	25	GLNP	2022
Honey buzzard	2	GLNP	2015
House sparrow	15	GLNP	2021
	3	DLRC	2019
Kestrel	30	DLRC	2020
Kingfisher	2	GLNP	2021
Lapwing	14	GLNP	2022
	17	DLRC	2020
Lesser black-backed gull	2	DLRC	2018
Lesser redpoll	24	GLNP	2021
	14	DLRC	2018
Linnet	27	GLNP	2022
	9	DLRC	2021
Little egret	1	GLNP	2022
	1	DLRC	2021
Little ringed plover	2	DLRC	2018
Mallard	20	DLRC	2019
Marsh harrier	37	GLNP	2022
	10	DLRC	2018
Meadow pipit	16	DLRC	2018
Merlin	1	GLNP	2020
	5	DLRC	2018
Mistle thrush	6	DLRC	2020
Mute swan	6	DLRC	2021
Nightjar	21	GLNP	2017
	81	DLRC	2021
Oystercatcher	1	DLRC	2019
Peregrine	2	GLNP	2014
Pink-footed goose	13	DLRC	2018
Pochard	4	DLRC	2018
Quail	1	GLNP	2013



Common name	No. of records	Source	Most recent record
Red kite	1	GLNP	2014
Red-necked grebe	2	DLRC	2012
Redshank	7	DLRC	2018
Redwing	21	GLNP	2021
	13	DLRC	2018
Reed bunting	43	GLNP	2022
	11	DLRC	2018
Ring ouzel	4	GLNP	2015
Ringed plover	1	DLRC	2018
Rook	2	DLRC	2020
Shelduck	7	DLRC	2018
Short-eared owl	1	DLRC	2012
Shoveler	13	DLRC	2018
Skylark	27	GLNP	2021
	9	DLRC	2018
Snipe	10	GLNP	2021
	11	DLRC	2018
Song thrush	24	GLNP	2022
	9	DLRC	2018
Sparrowhawk	9	DLRC	2018
Spotted flycatcher	4	GLNP	2021
Starling	23	GLNP	2022
	11	DLRC	2018
Stock dove	3	DLRC	2018
Swift	32	GLNP	2020
Teal	20	DLRC	2018
Tree pipit	23	GLNP	2022
	3	DLRC	2014
Tree sparrow	20	GLNP	2020
	1	DLRC	2018
Tufted duck	12	DLRC	2018
Turtle dove	14	GLNP	2020
Water pipit	2	DLRC	2021
Whitethroat	2	DLRC	2018
Whooper swan	6	GLNP	2022
	9	DLRC	2021
Wigeon	6	DLRC	2018
Willow tit	8	DLRC	2018
Willow warbler	2	DLRC	2018
Woodcock	4	DLRC	2018



Common name	No. of records	Source	Most recent record
Woodlark	6	GLNP	2015
Woodpigeon	10	DLRC	2020
Wren	10	DLRC	2018
Yellow wagtail	2	GLNP	2014
Yellowhammer	44	GLNP	2022
	12	DLRC	2018
Yellow-legged gull	1	DLRC	2018



## ANNEX 2: NON-BREEDING BIRD SURVEY EFFORT AND METADATA

**Table A2.1: Survey Conditions Criteria**

Wind Speed		W-Direction	Rain		Cloud Cover		Cloud Height	
Calm	0	Use 16 point Compass	None	0	In eighths e.g.	3/8	<150m	0
Light air	1		Drizzle/Mist	1			150-500m	1
Light breeze	2	N	Light showers	2			>500m	2
Mod. breeze	4	NE	Heavy showers	4				
Fresh breeze	5	ENE	Heavy showers	4				
Strong breeze	6	E						
Mod. gale	7	Etc	Visibility		Snow		Frost	
Fresh gale	8		Poor	0	None	0	None	0
Strong gale	9		< 1km	1	On site	1	Ground	1
Whole gale	10		>1km	2	High ground	2	All day	2
Storm	11							



**Table A2.2: Non-Breeding Bird Survey Effort 2022/23**

Date	Surveyor	Start Time (24 hrs)	End time (24 hrs)	Wind Speed	Wind Direction	Rain	Cloud Height	Cloud Cover	Visibility	Frost	Snow	Notes
19/09/2022	CG/TJ	06:45	14:45	1	WNW	1	2	8	2	0	0	Light showers
20/09/2022	CG/TJ	06:45	14:45	1	W	0	2	6	2	0	0	
21/09/2022	CG/TJ	07:00	15:00	2	S	0	2	6	2	0	0	
22/09/2022	CG/TJ	07:00	12:45	2	S	0	2	4	2	0	0	
26/09/2022	CG/TJ	06:30	14:30	3	NW	0	2	6	2	0	0	
27/09/2022	CG/TJ	07:00	14:00	2	W	0	2	6	2	0	0	
28/09/2022	CG/TJ	07:00	14:00	2	NW	1	2	6	2	0	0	Light showers
29/09/2022	CG/TJ	07:00	14:00	1	N	0-2	2	6	2	0	0	Showers
30/09/2022	CG/TJ	10:00	18:00	3-4	S	2-4	2	8	2	0	0	Heavy showers and heavy rain.
13/10/2022	GT	09:00	14:00	0	-	0	-	-	2	0	0	
14/10/2022	GT	09:00	14:00	2	SW	0	2	1	2	0	0	
15/10/2022	GT	09:00	14:00	4	SW	0	2	3	2	0	0	
19/10/2022	GT	09:00	14:00	3	E	0	2	4	2	0	0	
21/10/2022	GT	09:00	14:00	4	E	2	2	8	2	0	0	Showers
25/10/2022	GT	09:00	14:00	3	SW	0	2	3	2	0	0	
26/10/2022	GT	09:00	14:00	5	SW	0	2	5	2	0	0	
27/10/2022	GT	09:00	14:00	2	S	1	2	8	2	0	0	Showers
28/10/2022	GT	09:00	14:00	3	S	2	2	7	2	0	0	Heavy showers
30/10/2022	GT	09:00	14:00	4	SW	0	2	7	2	0	0	
11/11/2022	GT	09:00	14:00	6	SW	0	2	6	1	0	0	
13/11/2022	GT	09:00	14:00	0	-	0	2	8	1	0	0	Fog
14/11/2022	GT	09:00	14:00	0	-	0	2	8	1	0	0	Fog
17/11/2022	GT	09:00	14:00	4	SW	3	2	8	1	0	0	Heavy rain
20/11/2022	GT	09:00	14:00	3	SW	0	2	8	1	0	0	
24/11/2022	GT	09:00	14:00	3	SE	0	2	8	2	0	0	
26/11/2022	GT	09:00	14:00	4	S	0	2	4	2	0	0	
27/11/2022	GT	09:00	14:00	4	S	0	2	8	2	0	0	
28/11/2022	GT	09:00	14:00	2	S	0	2	8	2	0	0	Misty
29/11/2022	GT	09:00	14:00	1	S	0	2	8	2	0	0	Misty
07/12/2022	GT/AH	17:00	00:00	2	SW	0	-	0	2	1	0	
08/12/2022	GT/AH	17:00	00:00	2	NW	0	2	7	2	0	0	
09/12/2022	GT/AH	17:00	01:30	0	-	0	-	0	1	1	0	Foggy
15/12/2022	GT	09:00	16:00	2	NW	0	-	0	2	1	0	
16/12/2022	GT	09:00	16:00	1	S	0	2	4	2	1	0	
19/12/2022	GT	09:00	16:00	5	SW	0	2	7	2	0	0	
29/12/2022	GT	09:00	16:00	6	SW	2	2	4	2	0	0	Heavy showers



12/01/2023	GT	09:00	16:00	5	SW	0	2	8	2	0	0	
13/01/2023	GT	09:00	16:00	3	N	0	2	1	2	1	0	
18/01/2023	GT	09:00	16:00	2	N	0	2	2	2	1	0	
20/01/2023	GT	09:00	16:00	3	W	0	-	0	2	0	0	
24/01/2023	GT	17:00	23:00	0	-	0	-	0	2	0	0	
25/01/2023	GT	17:00	00:00	3	NW	0	-	0	2	0	0	
27/01/2023	GT	17:00	23:00	3	SW	0	2	8	2	0	0	
30/01/2023	GT	17:00	00:00	3	W	0	2	5	2	0	0	
10/02/2023	GT	10:00	15:30	3	S	0	2	8	2	0	0	
14/02/2023	GT	09:45	15:15	0	N/A	0	2	8	2	0	0	Foggy
15/02/2023	GT	09:00	15:30	1	SW	0	2	5	2	0	0	
20/02/2023	GT	09:00	12:45	4	W	0	2	8	2	0	0	
22/02/2023	GT	18:00	23:45	2	N	3	2	8	2	0	0	
23/02/2023	GT	20:15	23:30	2	N	0	2	8	2	0	0	
26/02/2023	GT	18:30	22:45	4	NE	0	2	4	2	0	0	
27/02/2023	GT	18:00	23:00	4	NE	0	2	4	2	0	0	
05/03/2023	GT	09:00	13:00	2	W	0	2	8	2	0	0	
07/03/2023	GT	10:00	17:00	4	N	0	2	1	1	0	0	
09/03/2023	GT	09:00	15:30	3	E	0	2	8	2	0	1	Sleet
10/03/2023	GT	09:00	13:45	6	N	0	2	8	2	0	1	Flurry
29/03/2023	GT	11:00	17:30	3	SW	2	2	8	2	0	0	
31/03/2023	GT	09:15	16:15	3	NE	4	2	8	1	0	0	
01/04/2023	GT	10:00	16:30	2	NE	0	2	8	2	0	0	
02/04/2023	GT	09:30	13:45	1	E	0	2	4	2	0	0	



**Table A2.3: Non-Breeding Bird Survey Effort 2023/24**

Start Date	End Date	Surveyor	Start Time (24 hrs)	End time (24 hrs)	Wind Speed	Wind Direction	Rain	Cloud Height	Cloud Cover	Visibility	Frost	Snow	Notes
13/09/2023	18/09/2023	GT	N/R	N/R	4/4/2/3/4	NE/NE/SW/E/E	3/0/2/0/0	8/6/8/8/3	2/2/2/2/2	2/2/2/2/2	0/0/0/0/0	0/0/0/0/0	
25/09/2023	29/09/2023	GT	N/R	N/R	4/3/3/6/4	SW/SW/S/SW/W	0/0/0/0/0	2/4/5/8/3	2/2/2/2/2	2/2/2/2/2	0/0/0/0/0	0/0/0/0/0	
01/10/2023	06/10/2023	GT	N/R	N/R	4/5/4/3/5	S/W/SW/SW/SW	3/0/0/0/4	8/3/8/8/8	2/2/2/2/2	2/2/2/2/1	0/0/0/0/0	0/0/0/0/0	
23/10/2023	27/10/2023	GT	N/R	N/R	1/2/1/4/1	NE/NE/SE/SE/SE	0/4/0/3/0	8/8/8/8/3	0/1/2/2/2	0/2/2/2/2	0/0/0/0/0	0/0/0/0/0	
05/11/2023	09/11/2023	GT	N/R	N/R	4/3/5/3/2	NW/W/W/SE/SW	3/2/0/3/0	8/8/8/8/3	2/2/2/1/2	2/2/2/2/2	0/0/0/0/0	0/0/0/0/0	
24/11/2023	30/11/2023	GT	N/R	N/R	7/5/2/2/4	NW/W/NW/NW/NW	0/4/0/0/2	8/8/1/1/5	2/1/2/2/2	2/1/2/2/2	0/0/0/2/0	0/0/0/0/0	
08/12/2023	14/12/2023	GT	N/R	N/R	3/3/1/3/4	SW/W/SW/N/SW	0/0/0/0/0	8/6/8/5/8	2/2/1/2/2	2/2/1/2/2	0/0/0/0/0	0/0/0/0/0	Misty
20/12/2023	29/12/2023	GT	N/R	N/R	5/5/2/4/5	W/N/W/SE/SW	0/0/0/2/0	7/5/3/8/6	2/2/2/2/2	2/2/2/2/2	0/0/0/0/0	0/0/0/0/0	
05/01/2024	11/01/2024	GT	N/R	N/R	1/3/3/4	NE/E/E/NW	1/0/0/0	8/5/6/4	1/2/2/2	2/2/2/2	0/0/0/0	0/0/0/0	
16/01/2024	20/01/2024	GT	N/R	N/R	4/1/2/4	SW/W/W/SW	0/0/0/0	8/0/0/8	1/-/-/2	1/2/2/2	2/2/2/0	1/0/0/0	Light snow flurries
05/02/2024	09/02/2024	GT	N/R	N/R	4/3/1/6/1	W/W/E/E/SW	0/0/0/2/0	8/8/2/8/8	2/2/2/2/2	2/2/2/2/2	0/0/0/0/0	0/0/0/0/0	
19/02/2024	24/02/2024	GT	N/R	N/R	4/5/4/2	W/SW/W/SW	0/3/0/0	7/8/4/2	2/1/2/2	2/2/2/2	0/0/0/0	0/0/0/0	
03/03/2024	08/03/2024	GT	N/R	N/R	2/3/4/4/5	SW/E/SE/E/E	0/0/1/1/0	3/5/8/8/3	2/2/1/2/2	2/2/1/2/2	0/0/0/0/0	0/0/0/0/0	
25/03/2024	31/03/2024	GT	N/R	N/R	3/3/4/5/4	NE/E/S/SE/SE	0/0/0/0/0	6/3/1/3/4	2/2/2/2/2	2/2/2/2/2	0/0/0/0/0	0/0/0/0/0	



**Table A2.4: Nocturnal Bird Survey Effort 2023/24**

Date	Surveyor	Start Time (24 hrs)	End time (24 hrs)	Wind Speed	Wind Direction	Rain	Cloud Height	Cloud Cover	Visibility	Frost	Snow	Notes
28/09/2023	GT	19:30	23:30	6	SW	0	2	2	-	0	0	
29/09/2023	GT	19:30	00:30	2	W	1	8	2	-	0	0	
30/09/2023	GT	19:15	22:45	1	W	0	0	-	2	0	0	
10/10/2023	GT	N/R	N/R	2	SW	0	2	2	0	0	0	
11/10/2023	GT	N/R	N/R	4	SW	0	9	2	0	0	0	
12/10/2023	GT	N/R	N/R	4	SW	0	8	2	0	0	0	
13/11/2023	GT	N/R	N/R	5	S	0	5	2	2	0	0	
14/11/2023	GT	N/R	N/R	3	W	0	3	2	2	0	0	
15/11/2023	GT	N/R	N/R	5	W	0	8	2	2	0	0	
16/11/2023	GT	N/R	N/R	2	SE	0	8	2	2	0	0	
17/11/2023	GT	N/R	N/R	2	SW	0	8	2	2	0	0	
11/12/2023	GT	N/R	N/R	3	W	0	8	2	1	0	0	
12/12/2023	GT	N/R	N/R	1	SW	1	8	1	0	0	0	Foggy
13/12/2023	GT	N/R	N/R	3	N	0	0	0	2	0	0	
16/01/2024	GT	N/R	N/R	4	SW	0	2	2	2	2	1	Light snow flurries
17/01/2024	GT	N/R	N/R	1	W	0	0	-	2	2	0	
18/01/2024	GT	N/R	N/R	2	W	0	0	-	2	2	0	
06/02/2024	GT	N/R	N/R	4	W	0	8	2	2	0	0	
07/02/2024	GT	N/R	N/R	2	E	0	2	2	2	0	0	
13/02/2024	GT	N/R	N/R	4	SW	0	7	2	2	0	0	
11/03/2024	GT	N/R	N/R	4	NE	1	8	1	2	0	0	
12/03/2024	GT	N/R	N/R	3	SE	0	3	2	2	0	0	
13/03/2024	GT	N/R	N/R	5	SW	0	6	2	2	0	0	



**Table A2.5: Vantage Point Survey Effort 2023/24**

Start Date	Vantage Point	Surveyor	Start Time (24 hrs)	End time (24 hrs)	VP Hours	Wind Speed	Wind Direction	Rain	Cloud Height	Cloud Cover	Visibility	Frost	Snow
27/09/2023	1	GT	12:40	15:40	3	4/4/4	SE/SE/SE	0/0/0	8/8/8	2/2/2	2/2/2	0/0/0	0/0/0
23/09/2023	2	GT	15:00	18:00	3	2/1/1	SW/SW/SW	0/0/0	6/6/6	2/2/2	2/2/2	0/0/0	0/0/0
30/09/2023	3	GT	12:00	15:00	3	3/3/3	SW/SW/SW	0/3/4	7/8/8	2/2/2	2/2/2	0/0/0	0/0/0
25/09/2023	4	GT	16:00	19:00	3	3/2/1	SW/SW/SW	0/0/0	7/6/7	2/2/2	2/2/2	0/0/0	0/0/0
29/09/2023	5	GT	13:40	16:40	3	4/4/3	W/W/W	0/0/0	2/3/2	2/2/2	2/2/2	0/0/0	0/0/0
28/09/2023	6	GT	15:30	18:30	3	4/4/4	SW/SW/SW	0/0/0	8/7/8	2/2/2	2/2/2	0/0/0	0/0/0
15/10/2023	1	GT	10:30	13:30	3	2/3/3	W/W/W	0/0/0	0/0/0	-/-/-	2/2/2	0/0/0	0/0/0
16/10/2023	2	GT	13:10	16:10	3	0/0/1	-/-/E	0/0/0	7/3/3	2/2/2	2/2/2	0/0/0	0/0/0
26/10/2023	3	GT	08:30	11:30	3	1/2/2	SE/SE/SE	0/1/4	8/8/8	2/2/2	2/2/2	0/0/0	0/0/0
15/10/2023	4	GT	14:05	17:05	3	1/1/1	W/W/W	0/0/0	0/0/0	-/-/-	2/2/2	0/0/0	0/0/0
30/10/2023	5	GT	12:05	15:05	3	4/3/3	E/E/E	0/1/1	8/8/8	2/2/2	2/2/2	0/0/0	0/0/0
13/10/2023	6	GT	15:30	18:30	3	1/1/1	NW/NW/NW	3/0/0	8/4/0	2/2/2	2/2/2	0/0/0	0/0/0
14/11/2023	1	GT	13:00	16:00	3	2/3/3	W/W/SW	0/2/0	6/8/7	2/2/2	2/2/2	0/0/0	0/0/0
05/11/2023	2	GT	08:55	11:55	3	2/2/2	SE/SE/SE	0/0/0	4/2/2	2/2/2	2/2/2	0/0/0	0/0/0
27/11/2023	3	GT	10:00	13:00	3	4/4/4	NW/NW/NW	4/3/0	8/8/8	2/2/2	2/2/2	0/0/0	0/0/0
27/11/2023	4	GT	13:10	16:10	3	4/3/3	NW/NW/NW	0/0/0	8/6/6	2/2/2	2/2/2	0/0/0	0/0/0
23/11/2023	5	GT	10:50	13:50	3	5/5/5	SW/SW/SW	1/1/1	8/8/8	2/2/2	2/2/2	0/0/0	0/0/0
16/11/2023	6	GT	13:10	16:10	3	0/0/1	0/0/E	0/0/0	8/8/8	2/2/2	2/2/2	0/0/0	0/0/0
24/12/2023	1	GT	08:40	11:40	3	5/5/5	SW/SW/SW	0/0/0	8/6/6	2/2/2	2/2/2	0/0/0	0/0/0
26/12/2023	2	GT	08:40	11:40	3	2/3/3	W/W/W	0/0/0	0/0/0	-/-/-	2/2/2	0/0/0	0/0/0
18/12/2023	3	GT	13:00	16:00	3	4/5/5	SW/SW/SW	0/0/0	6/6/8	2/2/2	2/2/2	0/0/0	0/0/0
18/12/2023	4	GT	09:45	12:45	3	3/3/3	SW/SW/SW	0/0/0	6/8/7	2/2/2	2/2/2	0/0/0	0/0/0
24/12/2023	5	GT	12:05	15:05	3	6/6/6	W/W/W	0/0/0	5/6/4	2/2/2	2/2/2	0/0/0	0/0/0
03/12/2023	6	GT	13:00	16:00	3	3/3/3	N/N/N	0/0/0	4/5/4	2/2/2	2/2/2	0/0/0	0/0/0
14/01/2024	1	GT	13:00	15:00	3	2/2/2	NW/NW/NW	0/0/0	7/6/7	2/2/2	2/2/2	0/0/0	0/0/0
14/01/2024	2	GT	09:45	12:45	3	2/2/2	NW/NW/NW	0/0/0	1/3/6	2/2/2	2/2/2	1/0/0	0/0/0
31/01/2024	3	GT	11:00	14:00	3	4/4/4	SW/SW/SW	0/0/0	8/7/7	2/2/2	2/2/2	0/0/0	0/0/0
20/01/2024	4	GT	12:45	15:45	3	4/4/4	SW/SW/SW	0/1/4	8/8/8	2/2/2	2/2/2	0/0/0	0/0/0
22/01/2024	5	GT	09:20	12:20	3	5/5/5	SW/SW/SW	0/0/0	2/2/3	2/2/2	2/2/2	0/0/0	0/0/0
30/01/2024	6	GT	10:50	13:50	3	3/3/3	NW/NW/NW	0/0/0	6/5/6	2/2/2	2/2/2	0/0/0	0/0/0
26/02/2024	1	GT	12:50	15:50	3	4/4/4	N/N/N	0/0/2	2/6/8	2/2/2	2/2/2	0/0/0	0/0/0
26/02/2024	2	GT	09:40	12:40	3	4/5/4	N/N/N	3/2/0	5/3/6	2/2/2	2/2/2	0/0/0	0/0/0
23/02/2024	3	GT	10:45	13:45	3	4/4/4	W/SW/SW	0/0/0	4/2/3	2/2/2	2/2/2	0/0/0	0/0/0
11/02/2024	4	GT	10:20	13:20	3	2/2/3	W/W/W	0/0/0	7/5/5	2/2/2	2/2/2	0/0/0	0/0/0
11/02/2024	5	GT	13:35	16:35	3	3/4/4	W/NW/NW	0/0/0	1/1/5	2/2/2	2/2/2	0/0/0	0/0/0
19/02/2024	6	GT	12:00	15:00	3	5/5/6	W/W/W	0/0/0	4/5/2	2/2/2	2/2/2	0/0/0	0/0/0
22/03/2024	1	GT	11:55	14:55	3	5/5/6	W/W/W	0/0/0	4/4/8	2/2/2	2/2/2	0/0/0	0/0/0
31/03/2024	2	GT	11:30	14:30	3	4/4/4	SE/SE/SE	0/0/0	4/4/3	2/2/2	2/2/2	0/0/0	0/0/0
26/03/2024	3	GT	15:30	18:30	3	4/4/4	NE/NE/NE	0/0/0	8/8/8	2/2/2	2/2/2	0/0/0	0/0/0
22/03/2024	4	GT	08:45	11:45	3	4/4/5	W/W/W	0/0/0	6/6/4	2/2/2	2/2/2	0/0/0	0/0/0
12/03/2024	5	GT	15:00	18:00	3	3/3/4	SW/SW/SW	0/0/0	6/7/8	2/2/2	2/2/2	0/0/0	0/0/0
27/03/2024	6	GT	11:20	14:20	3	5/5/5	S/SW/SW	0/0/2	7/8/8	2/2/2	2/2/2	0/0/0	0/0/0



## ANNEX 3: BIRD SPECIES RECORDED DURING 2022/23 AND 2023/24

**Table A3.1: Bird species Recorded within the Order Limits during the 2022/2023 walk over surveys. Note that this includes diurnal and nocturnal walk-over surveys**

Field No	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
1	Mallard	4	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Mallard	7	-	-	-	-	-	-	-	-	-	-	-	-	-
	Grey heron	2	-	-	-	-	-	-	-	-	-	1	-	-	-
	Snipe	1	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Little owl	-	-	-	-	-	-	-	-	-	-	-	1	-	-
8	Lapwing	-	-	-	-	-	-	-	-	-	-	-	-	1	-
	Little owl	-	-	-	-	-	-	-	-	-	-	-	1	-	-
10	Mute swan	8	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mallard	-	-	-	-	-	-	-	-	-	-	-	-	4	1
	Little grebe	2	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Mute swan	-	-	-	6	-	-	-	2	-	-	-	-	1	1
	Pink-footed goose	-	-	156	-	-	-	-	-	-	-	-	-	-	-
	Grey heron	-	-	-	-	-	-	-	1	-	-	-	-	-	-
	Lapwing	-	-	-	-	-	-	-	-	-	-	-	-	32	-
	Marsh harrier	-	-	-	-	-	-	-	-	-	-	(1)	-	-	-
	Peregrine	-	-	1	-	-	-	-	-	-	-	-	-	-	-
12	Pink-footed goose	(22)	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Lapwing	-	-	-	-	-	-	-	-	-	-	-	20	-	-



Field No	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
	<b>Curlew</b>	-	-	-	-	-	-	-	-	-	-	-	-	<b>2</b>	-
16	<b>Mallard</b>	-	-	-	-	-	-	-	-	-	-	-	1	4	-
17	<b>Mallard</b>	-	-	-	-	-	-	-	-	-	-	-	-	2	-
	<b>Lapwing</b>	-	-	-	-	-	-	-	-	-	-	-	-	<b>2</b>	-
18	Mute swan	-	-	-	-	9	-	-	-	-	-	-	-	-	-
	Mallard	-	-	-	-	-	-	-	-	-	-	-	1	-	2
	<b>Lapwing</b>	-	-	-	<b>23</b>	<b>31</b>		<b>2</b>	<b>19</b>	<b>64</b>	-	-	-	-	-
	<b>Golden plover</b>	-	-	-	-	-	-	-	-	<b>11</b>	-	-	-	-	-
	Snipe	-	-	-	-	-	-	10	-	-	-	-	-	-	-
	<b>Marsh harrier</b>	<b>(1)</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
	Barn owl	-	-	-	-	-	-	1	-	-	-	-	-	-	-
20	<b>Mallard</b>	92	-	-	-	-	-	-	-	-	-	-	-	-	-
	Grey heron	-	-	-	-	-	1	-	-	-	-	-	-	-	-
21	<b>Lapwing</b>	-	<b>26</b>	-	-	-	-	-	-	-	-	-	-	-	-
22	Woodcock	-	-	-	-	-	2	-	-	-	-	-	-	-	-
24	<b>Lapwing</b>	<b>94</b>	<b>24</b>	-	-	-	-	-	-	-	-	-	-	-	-
26	Barn owl	-	-	-	-	-	-	1	-	-	-	-	-	-	-
29	<b>Pink-footed goose</b>	-	-	<b>6</b>	-	-	-	-	-	-	-	-	-	-	-
30	<b>Marsh harrier</b>	-	-	<b>(2)</b>	-	-	-	-	-	-	-	-	-	-	-
<b>31</b>	<b>Pink-footed goose</b>	-	-	<b>360</b>	<b>1</b>	-	-	-	-	-	-	-	-	-	-



Field No	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
34	<b>Mallard</b>	-	-	-	-	-	-	-	-	-	-	-	-	1	-
35	Mute swan	-	-	-	-	-	2	-	-	2	-	2	-	-	-
	Whooper swan	-	-	-	-	-	-	-	-	-	-	23	-	35	-
	<b>Mallard</b>	-	-	-	-	-	-	-	-	-	-	7	-	-	-
	<b>Lapwing</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>2</b>
36	<b>Lapwing</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>2</b>
39	<b>Pink-footed goose</b>	-	(475)	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Golden plover</b>	-	<b>53</b>	-	-	-	-	-	-	-	-	-	-	-	-
	Woodcock	-	-	-	-	-	-	-	-	-	2	-	-	-	-
41	Woodcock	-	-	-	-	-	-	-	-	-	1	-	-	-	-
42	<b>Pink-footed goose</b>	-	<b>330</b>	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Golden plover</b>	-	<b>27</b>	-	-	-	-	-	-	-	-	-	-	-	-
43	<b>Pink-footed goose</b>	-	<b>135</b>	-	-	-	-	-	-	-	-	-	-	-	-
50	<b>Green sandpiper</b>	-	<b>1</b>	-	-	-	-	-	-	-	-	-	-	-	-
	Woodcock	-	-	-	-	-	-	-	-	-	2	-	-	-	-
	<b>Marsh harrier</b>	-	-	-	-	-	-	-	<b>1</b>	-	-	-	-	-	-
61	<b>Pink-footed goose</b>	(1)	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Mallard</b>	-	2	-	-	-	-	-	-	-	-	-	-	-	-
	Grey heron	1	-	-	-	-	-	-	-	-	-	-	-	-	-
63	<b>Green sandpiper</b>	-	<b>1</b>	-	-	-	-	-	-	-	-	-	-	-	-



Field No	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
64	Little egret	(1)	-	-	-	-	-	-	-	-	-	-	-	-	-
65	Grey heron	3	-	-	-	-	-	-	-	-	17	-	-	-	-
	Lapwing	260	-	-	-	-	-	-	-	-	-	-	-	-	-
	Red kite	(1)	-	-	-	-	-	-	-	-	-	-	-	-	-
69	Lapwing	-	-	-	-	-	-	14	-	-	-	-	-	-	-
70	Barn owl	-	-	-	-	-	-	-	-	-	-	-	1	-	-
73	Golden plover	-	12	-	-	-	-	-	-	-	-	-	-	-	-
	Marsh harrier	-	-	-	-	-	-	-	-	-	-	-	-	-	(1)
74	Grey heron	-	1	-	-	-	-	-	-	-	-	-	-	-	-
75	Mallard	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Snipe	-	-	-	-	-	-	1	-	-	-	-	-	-	-
76	Teal	-	-	-	-	-	-	-	-	-	4	-	-	-	-
	Snipe	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	Jack snipe	-	-	-	-	-	-	-	-	-	1	-	-	-	-
79	Lapwing	-	19	-	-	-	-	-	-	-	-	-	-	-	-
81	Barn owl	-	-	-	-	-	-	-	-	-	2	-	-	-	-
83	Mallard	-	-	-	-	-	-	-	-	-	-	-	-	-	1
84	Little egret	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	Lapwing	-	-	-	-	-	-	53	-	-	-	-	-	-	-
86	Lapwing	-	-	-	-	-	-	18	-	-	-	-	-	-	-



Field No	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
	Woodcock	-	-	-	-	-	-	-	-	-	-	-	1	-	-
87	<b>Lapwing</b>	-	-	-	-	-	-	-	12	-	-	-	-	-	-
92	Woodcock	-	-	-	-	-	-	1	-	-	-	-	-	-	-
93	<b>Pink-footed goose</b>	-	(1)	-	-	-	-	-	-	-	-	-	-	-	-
	Peregrine	1	1	-	-	-	-	-	-	-	-	-	-	-	-
94	Grey heron	-	1	-	-	-	-	-	-	-	-	-	-	-	-
95	<b>Mallard</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Grey heron	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	<b>Marsh harrier</b>	-	(1)	-	-	-	-	-	-	-	-	-	-	-	-
	Barn owl	-	-	-	-	-	-	-	-	-	-	-	1	-	-
98	<b>Lapwing</b>	-	-	-	-	-	-	-	9	-	-	-	-	-	-
100	<b>Mallard</b>	-	-	-	-	-	-	-	-	-	-	-	-	2	-
	Grey heron	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Woodcock	-	-	-	-	-	-	2	-	-	-	-	-	-	-
103	<b>Lapwing</b>	-	-	-	-	-	-	-	1	-	-	-	-	-	-
	<b>Golden plover</b>	-	-	-	-	-	-	-	1	-	-	-	-	-	-
104	<b>Mallard</b>	-	-	-	9	-	-	-	-	-	-	-	-	-	-
	<b>Teal</b>	-	-	-	-	-	-	3	-	-	-	-	-	4	-
105	<b>Pink-footed goose</b>	(36)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Grey heron	-	-	3	-	-	-	-	-	-	-	-	-	-	-



Field No	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
106	Greylag goose	-	-	-	-	-	-	-	-	-	-	-	-	-	8
	Mallard	-	-	12	-	-	-	-	-	-	27	-	-	-	3
	Teal	-	-	2	-	-	-	-	-	-	6	-	-	-	-
	Shoveler	-	-	-	-	-	-	-	-	-	2	-	-	-	-
	Grey heron	-	-	-	1	-	-	-	-	-		-	-	-	-
	Lapwing	-	-	-	-	-	-	-	-	-	112	-	32	-	-
113	Pink-footed goose	-	(1)	-	-	-	-	-	-	-	-	-	-	-	-
	Woodcock	-	-	-	-	-	-	5	-	-	3	-	-	-	-
114	Grey heron	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	Woodcock	-	-	-	-	-	-	2	-	-	9	-	-	-	-
115	Mute swan	-	-	-	-	-	-	2	-	-	-	-	-	-	-
	Mallard	-	-	-	24	-	-	12	-	-	-	-	-	-	2
	Teal	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Woodcock	-	-	-	-	-	-	1	-	-	-	-	-	-	-
116	Woodcock	-	-	-	-	-	-	-	-	-	3	-	-	-	-
	Peregrine	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	Barn owl	-	-	-	-	-	-	-	-	-	-	-	1	-	-
117	Mute swan	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mallard	-	-	-	-	-	-	3	-	-	-	-	-	-	-
	Woodcock	-	-	-	-	-	-	-	-	-	1	-	-	-	-



Field No	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
118	<b>Golden plover</b>	-	-	-	-	-	-	-	-	-	<b>21</b>	-	-	-	-
	Woodcock	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	<b>Hen harrier</b>	-	-	-	-	-	-	-	(1)	-	-	-	-	-	-
	<b>Marsh harrier</b>	-	(1)	-	-	-	-	-	-	-	-	-	-	-	-
119	<b>Lapwing</b>	-	-	-	-	-	-	-	<b>3</b>	-	-	-	-	-	-
	Snipe	-	-	-	-	-	-	-	2	-	-	-	-	-	-
120	<b>Mallard</b>	-	-	-	-	-	-	4	-	-	-	1	-	-	-
	<b>Little egret</b>	-	-	-	-	-	-	-	-	-	-	-	-	<b>1</b>	-
	<b>Golden plover</b>	<b>17</b>	<b>3</b>	-	-	-	-	-	-	-	-	-	-	-	-
	Woodcock	-	-	-	-	-	-	-	-	-	-	-	4	-	-
121	Woodcock	-	-	-	-	-	-	-	-	-	-	-	1	-	-
129	<b>Green sandpiper</b>	-	-	<b>1</b>	-	-	-	-	-	-	-	-	-	-	-
130	<b>Lapwing</b>	-	-	<b>25</b>	-	-	-	-	-	-	-	-	-	-	-
132	Grey heron	-	-	-	2	-	-	-	-	-	-	-	-	-	-
135	Woodcock	-	-	-	-	-	-	-	-	-	-	-	1	-	-
136	<b>Pink-footed goose</b>	-	-	(209)	-	-	-	-	-	-	-	-	-	-	-
	Snipe	-	-	-	-	-	-	-	-	-	-	-	1	-	-
137	<b>Grey plover</b>	(17)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Snipe	(1)	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Marsh harrier</b>	(1)	-	-	-	-	-	-	-	-	-	-	-	-	-



Field No	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
175	Greylag goose	7	-	-	-	-	-	-	-	-	-	-	-	-	-
252	Mallard	-	-	-	-	-	-	-	-	-	-	-	-	2	-
275	Lapwing	-	-	-	-	-	-	-	-	-	-	-	-	-	2
282	Whooper swan	-	-	-	-	-	-	-	-	-	-	-	-	8	-
	Pink-footed goose	-	-	-	-	-	(320)	-	-	-	-	-	-	-	-
	Lapwing	-	-	-	-	-	-	-	16	-	-	-	-	-	-
284	Lapwing	-	-	-	-	-	-	-	-	-	-	-	-	14	2
285	Woodcock	-	-	-	-	-	-	-	-	-	-	-	4	-	-
288	Lapwing	-	-	-	-	-	-	-	-	-	9	-	-	13	-
290	Mallard	-	8	-	-	-	-	-	-	-	-	-	-	-	-
	Lapwing	-	-	-	-	-	-	-	-	-	-	-	2	-	9
	Woodcock	-	-	-	-	-	-	2	-	-	-	-	2	-	-
497	Pink-footed goose	32	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lapwing	-	-	-	-	-	-	78	77	-	32	-	-	-	-
	Golden plover	-	-	-	-	-	-	-	11	-	-	-	-	-	-
	Barn owl	-	-	-	-	-	-	1	-	-	-	-	-	-	-
498	Mallard	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	Lapwing	-	390	-	-	-	-	-	-	-	7	-	-	-	-
	Woodcock	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	Osprey	1	-	-	-	-	-	-	-	-	-	-	-	-	-



Field No	Species	Survey Visits						
		Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023
<p>Species associated with the Humber Estuary SPA recorded in <b>bold</b></p> <p>'-' means that the species was not recorded during that visit.</p> <p>Those in brackets were recorded in flight only.</p>								



**Table A3.2: Bird species Recorded within the Wider Survey Area 2022/23. Note that this includes diurnal and nocturnal walk-over surveys**

Field N°	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
58	Golden plover	-	-	23	480	-	-	-	-	-	-	-	-	-	-
59	Lapwing	-	-	-	-	-	-	-	-	-	-	-	-	2	-
66	Lapwing	-	-	-	-	-	-	-	-	-	2	-	-	-	-
124	Grey heron	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Woodcock	-	-	-	-	-	-	-	-	-	-	-	1	-	-
125	Mallard	-	-	-	-	-	-	-	-	-	-	-	4	-	-
	Woodcock	-	-	-	-	-	-	-	-	-	-	-	3	-	-
140	Barn owl	-	-	-	-	-	-	-	-	-	(1)	-	-	-	-
144	Marsh harrier	-	(1)	-	-	-	-	-	-	-	-	-	-	-	-
149	Lapwing	9	-	-	-	-	-	-	-	-	-	-	-	-	-
	Golden plover	16	-	-	-	-	-	-	-	-	-	-	-	-	-
158	Pink-footed goose	5	-	-	-	-	-	-	-	-	-	-	-	-	-
164	Pink-footed goose	-	-	-	-	-	-	-	-	-	-	-	9	-	-
	Goose ( <i>Anser</i> ) sp	-	-	-	-	-	-	-	-	-	49	-	-	-	-
	Mallard	-	-	-	-	-	-	-	-	-	-	-	-	7	-
	Woodcock	-	-	-	-	-	-	-	-	-	1	-	-	-	-
168	Mute swan	-	-	-	-	-	-	-	-	-	-	2	-	-	-
	Pink-footed goose	(26)	-	(752)	-	-	-	-	-	-	-	-	-	-	-
	Grey heron	-	-	-	-	1	-	-	-	-	-	1	-	-	-



Field N°	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
	<b>Little egret</b>	-	-	-	<b>1</b>	-	-	-	-	-	-	-	-	-	-
169	Mute swan	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Whooper swan	-	-	-	-	8	8	-	-	-	-	-	-	-	-
	<b>Pink-footed goose</b>	<b>(23)</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Greylag goose</b>	-	-	-	-	<b>19</b>	-	-	-	-	-	-	-	-	-
	<b>Mallard</b>	-	-	-	-	-	-	-	-	-	-	-	2	-	-
	Grey heron	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	<b>Lapwing</b>	-	-	-	-	-	-	<b>96</b>	-	<b>5</b>	<b>2</b>	-	-	-	-
	Woodcock	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	<b>Hen harrier</b>	-	-	-	-	-	-	-	<b>(1)</b>	-	-	-	-	-	-
173	<b>Lapwing</b>	-	-	-	-	-	-	<b>127</b>	-	-	-	-	-	-	-
	Barn owl	-	-	-	-	-	-	-	-	-	1	-	-	-	-
182	Mute swan	-	-	-	-	-	-	-	-	-	-	-	-	3	-
	<b>Common crane</b>	-	-	3	-	-	-	-	-	-	-	-	-	-	-
185	Grey heron	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Lapwing</b>	-	-	<b>136</b>	-	-	-	-	-	-	-	-	-	-	-
187	Woodcock	-	-	-	-	-	-	-	-	-	-	-	2	-	-
191	<b>Mallard</b>	60	-	-	-	-	-	-	-	-	-	-	-	-	-
194	<b>Pink-footed goose</b>	-	-	<b>(251)</b>	-	-	-	-	-	-	-	-	-	-	-



Field N°	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
195	Pink-footed goose	-	-	(234)	-	-	-	-	-	-	-	-	-	-	-
216	Pink-footed goose	24	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mallard	5	-	-	-	-	-	-	-	-	-	-	-	-	-
	Grey heron	-	-	-	1	-	-	-	-	-	-	-	-	-	-
217	Mallard	-	-	-	-	-	-	-	-	-	-	8	-	6	-
	Lapwing/Golden Plover	-	-	-	-	-	-	-	-	-	6	-	-	-	-
220	Mallard	40	-	-	-	-	-	-	-	-	-	-	-	-	-
221	Barn owl	-	-	-	-	-	-	-	-	-	1	-	-	-	-
222	Pink-footed goose	46	67	-	-	-	-	-	-	-	-	-	-	-	-
	Greylag goose	375	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mallard	16	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hen harrier	-	-	(1)	-	-	-	-	-	-	-	-	-	-	-
	Tawny owl	-	-	-	-	-	1	-	-	-	-	-	-	-	-
223	Hen harrier	-	-	(1)	-	-	-	-	-	-	-	-	-	-	-
224	Hen harrier	-	-	(1)	-	-	-	-	-	-	-	-	-	-	-
	Pink-footed goose	-	-	-	(19)	-	-	-	-	-	-	-	-	-	-
	Mallard	-	-	2	-	-	-	-	-	-	-	-	-	-	-
225	Pink-footed goose	-	-	42	-	-	-	-	-	-	-	-	-	-	-
	Hen harrier	-	-	(1)	-	-	-	-	-	-	-	-	-	-	-



Field N°	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
226	Pink-footed goose	-	-	-	(73)	-	-	-	-	-	-	-	-	-	-
	Mallard	-	-	-	-	-	-	-	-	-	-	-	-	1	2
229	Common crane	3	-	-	-	-	-	-	-	-	-	-	-	-	-
	Snipe	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Hen harrier	-	-	(1)	-	-	-	-	-	-	-	-	-	-	-
230	Pink-footed goose	-	-	-	(16)	-	-	-	-	-	-	-	-	-	-
238	Little egret	-	-	-	-	-	-	-	-	1	-	-	-	-	-
242	Pink-footed goose	-	217	-	-	-	-	-	-	-	-	-	-	-	-
243	Pink-footed goose	-	48	-	-	-	-	-	-	-	-	-	-	-	-
249	Mute swan	-	-	-	-	-	-	-	2	-	-	-	-	-	-
250	Mute swan	-	-	-	-	-	-	-	-	-	-	4	-	-	-
264	Whooper swan	-	-	-	-	5	-	-	-	-	-	-	-	-	-
265	Mute swan	-	-	-	-	2	-	-	-	-	-	-	-	-	-
277	Lapwing	-	-	-	-	-	-	-	-	-	12	-	-	-	-
	Golden plover	-	-	43	-	-	-	-	-	-	-	-	-	-	-
278	Woodcock	-	-	-	-	-	-	-	-	-	-	-	3	-	-
279	Lapwing	-	-	-	-	-	-	-	-	3	-	-	-	-	-
286	Greylag goose	-	-	-	-	-	-	-	-	-	-	-	-	2	-
	Lapwing	-	-	-	-	-	-	-	-	14	-	-	-	-	-



Field N°	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
287	Greylag goose	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Mallard	-	-	-	-	3	-	-	-	-	-	-	-	-	-
291	Pink-footed goose	-	(3000)	-	-	-	-	-	-	-	-	-	-	-	-
	Mallard	-	4	-	-	-	-	-	-	-	-	-	-	-	-
292	Lapwing	17	-	-	-	-	-	-	-	-	-	-	-	-	-
293	Common crane	-	-	(2)	-	-	-	-	-	-	-	-	-	-	-
304	Little egret	-	-	-	-	1	-	-	-	-	-	-	-	-	-
309	Lapwing	-	-	-	-	1	-	-	-	-	-	-	-	-	-
319	Greylag goose	(20)	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mallard	-	-	-	-	-	-	-	-	-	-	-	-	3	-
323	Lapwing	-	-	-	-	-	-	-	-	-	14	-	-	-	-
	Woodcock	-	-	-	-	-	-	-	-	-	-	-	1	-	-
325	Woodcock	-	-	-	-	-	-	-	-	-	5	-	-	-	-
340	Barn owl	-	-	-	-	-	-	-	-	-	-	-	1	-	-
358	Grey heron	-	-	2	-	-	-	-	-	-	-	-	-	-	-
361	Woodcock	-	-	-	-	-	-	1	-	-	-	-	-	-	-
363	Barn owl	-	-	-	-	-	-	-	-	-	1	-	-	-	-
366	Barn owl	-	-	-	-	-	-	(1)	-	-	-	-	-	-	-
	Golden plover	-	38	-	-	-	-	-	-	-	-	-	-	-	-
367	Golden plover	-	23	-	-	-	-	-	-	-	-	-	-	-	-



Field N°	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
368	Mute swan	-	-	-	-	-	-	-	-	-	-	7	-	-	-
	<b>Mallard</b>	4	-	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Golden plover</b>	-	-	-	-	<b>8</b>	-	-	-	-	-	-	-	-	-
	Snipe	-	-	-	-	-	-	1	-	-	-	-	-	-	-
369	<b>Little egret</b>	-	-	-	<b>2</b>	-	-	-	-	-	-	-	-	-	-
	<b>Golden plover</b>	-	<b>14</b>	-	-	-	-	-	-	-	-	-	-	-	-
370	Grey heron	-	-	-	-	-	-	1	-	-	-	-	-	-	-
371	<b>Golden plover</b>	-	<b>76</b>	-	-	-	-	-	-	-	-	-	-	-	-
372	Mallard	-	-	-	-	(1)	-	-	-	-	-	-	-	-	-
	<b>Golden plover</b>	-	-	-	-	-	-	-	-	-	<b>1</b>	-	-	-	-
373	<b>Mallard</b>	-	22	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Shoveler</b>	-	1	-	-	-	-	-	-	-	-	-	-	-	-
	Grey heron	-	-	-	1	-	-	-	-	-	-	-	-	-	-
	<b>Lapwing</b>	-	-	<b>37</b>	-	-	-	-	-	-	-	-	-	-	-
376	Woodcock	-	-	-	-	-	-	-	-	-	1	-	-	-	-
378	Grey heron	2	-	-	-	-	-	-	-	-	-	-	-	-	-
380	<b>Golden plover</b>	-	<b>(130)</b>	-	-	-	-	-	-	-	-	-	-	-	-
	Snipe	1	-	-	-	-	-	-	-	-	-	-	-	-	-
382	<b>Pink-footed goose</b>	-	<b>(160)</b>	-	-	-	-	-	-	-	-	-	-	-	-
	<b>Little egret</b>	<b>1</b>	-	-	-	-	-	-	-	-	-	-	-	-	-



Field N°	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
383	Mallard	5	-	-	-	-	-	-	-	-	-	-	-	-	-
384	Pink-footed goose	-	-	-	12	-	-	-	-	-	-	-	-	-	-
	Mallard	-	-	-	-	-	5	-	-	-	-	-	-	10	-
	Teal	-	-	-	-	-	-	-	-	-	-	-	-	9	-
	Grey heron	-	-	-	-	-	-	-	-	-	-	1	-	-	-
	Little egret	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	Lapwing	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	Golden plover	25	43	-	-	21	-	-	-	-	-	-	-	-	-
	Jack snipe	-	-	-	-	-	-	1	-	-	-	-	-	-	-
385	Mallard	-	-	-	-	-	-	-	-	21	-	-	-	-	-
	Teal	-	-	-	-	-	-	-	-	23	-	-	-	-	-
386	Mallard	-	-	-	-	-	-	-	-	-	-	-	-	3	-
	Teal	-	-	-	-	-	-	-	-	-	-	-	-	8	-
387	Mallard	-	16	-	-	-	-	-	22	-	18	17	12	-	-
	Teal	-	-	-	-	-	-	-	-	-	-	3	2	-	-
	Grey heron	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Golden plover	-	-	-	-	-	12	-	-	-	-	-	-	-	-
388	Mallard	-	9	-	-	-	-	31	-	-	-	-	-	-	-
390	Golden plover	-	-	-	-	-	-	20	-	-	-	-	-	-	-
	Little owl	-	-	-	-	-	-	1	1	-	-	1	-	-	-



Field N°	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
391	Mute swan	-	-	-	-	-	-	-	-	9	-	11	-	2	-
398	<b>Mallard</b>	-	-	-	-	-	-	-	42	-	-	-	-	-	-
	Grey heron	-	-	-	-	-	1	-	-	-	-	-	-	-	-
	Woodcock	-	-	-	-	-	-	1	-	-	-	-	-	-	-
416	<b>Golden plover</b>	-	-	-	-	-	-	-	<b>37</b>	-	-	-	-	-	-
417	<b>Lapwing</b>	-	-	-	-	-	-	-	-	-	-	-	<b>6</b>	-	-
428	Barn owl	-	-	-	-	-	-	(1)	-	-	-	-	-	-	-
429	Woodcock	-	-	-	-	-	-	-	-	-	2	-	1	-	-
431	<b>Pink-footed goose</b>	<b>(190)</b>	<b>(216)</b>	-	-	-	-	-	-	-	-	-	-	-	-
	Woodcock	-	-	-	-	-	-	-	-	-	-	-	1	-	-
436	Snipe	-	-	-	-	-	-	-	-	-	1	-	1	-	-
	Woodcock	-	-	-	-	-	-	-	-	-	-	-	2	-	-
	<b>Marsh harrier</b>	-	<b>(2)</b>	-	-	-	-	-	-	-	-	-	-	-	-
443	<b>Pink-footed goose</b>	-	-	<b>2</b>	-	-	-	-	-	-	-	<b>21</b>	-	-	-
	<b>Greylag goose</b>	-	-	-	-	-	-	-	-	-	-	<b>155</b>	-	-	<b>34</b>
	<b>Lapwing</b>	-	-	-	-	-	-	<b>71</b>	-	-	-	-	-	-	-
444	<b>Greylag goose</b>	-	-	-	-	-	-	-	-	-	-	-	-	<b>34</b>	-
450	<b>Mallard</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Snipe	-	-	-	-	-	-	-	-	-	2	-	-	-	-
464	Barn owl	-	-	-	-	-	-	1	-	-	-	-	-	-	-



Field N°	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
465	Little owl	-	-	-	-	-	-	-	-	-	1	-	-	-	-
466	Lapwing	-	-	-	-	-	-	-	-	-	-	-	4	-	-
	Snipe	-	-	-	-	-	-	-	-	-	-	-	1	-	-
476	Little egret	-	-	-	-	-	-	-	1	-	-	-	-	-	-
485	Lapwing	-	-	-	-	-	-	-	-	-	16	-	-	-	-
	Golden plover	-	-	-	-	-	-	-	-	-	-	-	-	38	-
486	Peregrine	-	-	-	-	1	-	-	-	-	-	-	-	-	-
488	Woodcock	-	-	-	-	-	-	-	-	-	-	-	1	-	-
	Barn owl	-	-	-	-	-	-	-	-	-	-	-	1	-	-
489	Lapwing	-	19	-	-	-	-	-	-	-	3	-	-	-	-
490	Woodcock	-	-	-	-	-	-	-	-	-	-	-	2	-	-
492	Lapwing	21	-	-	-	-	-	-	-	-	-	-	-	-	-
493	Lapwing	(4)	8	-	-	-	-	-	-	-	-	-	-	-	-
494	Lapwing	(17)	-	-	-	-	-	-	-	-	-	-	-	-	-
496	Lapwing	-	-	-	-	-	-	37	-	260	27	-	-	-	-
	Woodcock	-	-	-	-	-	-	1	-	-	-	-	-	-	-
501	Pink-footed goose	700	-	-	-	-	-	-	-	-	-	-	-	-	-
	Greylag goose	150	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mallard	30	-	-	-	-	-	-	-	-	-	-	-	-	-
504	Greylag goose	-	-	-	-	-	-	-	-	-	-	-	-	2	-



Field N°	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
505	Grey heron	-	-	-	-	-	-	-	1	-	-	-	-	-	-
	Lapwing	-	-	-	-	-	-	-	-	-	-	-	6	-	-
	Lapwing	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	Woodcock	-	-	-	-	-	-	1	-	-	-	-	-	-	-
506	Woodcock	-	-	-	-	-	-	-	-	-	-	-	1	-	-
507	Pink-footed goose	13	-	-	-	-	-	-	-	-	-	-	-	-	-
508	Pink-footed goose	36	22	-	-	-	-	-	-	-	-	-	-	-	-
509	Osprey	1	-	-	-	-	-	-	-	-	-	-	-	-	-
511	Mallard	-	-	-	-	-	-	-	-	-	-	-	-	-	1
512	Woodcock	-	-	-	-	-	-	-	-	-	1	-	-	-	-
514	Lapwing	-	53	-	-	-	-	-	-	-	-	-	-	-	-
	Woodcock	-	-	-	-	-	-	2	-	-	-	-	-	-	-
515	Mute swan	-	-	-	-	-	-	-	-	-	-	-	-	2	-
	Lapwing	-	-	-	-	-	-	-	-	-	14	-	-	-	-
516	Woodcock	-	-	-	-	-	-	1	-	-	-	-	1	-	-
	Barn owl	-	-	-	-	-	-	(1)	-	-	-	-	-	-	-
518	Pink-footed goose	-	(1)	-	-	-	-	-	-	-	-	-	-	-	-
519	Pink-footed goose	-	49	-	-	-	-	-	-	-	-	-	-	-	-
521	Mute swan	-	-	-	1	-	-	-	-	2	-	-	-	-	-
	Greylag goose	-	-	-	-	-	-	-	-	-	-	-	-	2	2



Field N°	Species	Survey Visits													
		Sep 2022		Oct 2022		Nov 2022		Dec 2022		Jan 2023		Feb 2023		Mar 2023	
	<b>Mallard</b>	-	-	-	-	-	-	-	-	-	-	64	-	-	-
	Grey heron	-	-	1	-	-	-	-	-	1	-	-	-	-	-
	<b>Lapwing</b>	-	-	-	-	-	-	45	8	-	-	-	-	-	-
	<b>Green sandpiper</b>	-	-	-	-	1	1	-	-	1	-	-	-	-	-
	Snipe	-	-	-	-	-	-	3	-	-	-	-	-	-	-
	Jack snipe	-	-	-	-	-	-	1	-	-	-	-	-	-	-
	Woodcock	-	-	-	-	-	-	-	-	-	1	-	-	-	-
	Tawny owl	-	-	-	-	-	-	-	-	-	1	-	-	-	-
523	Tawny owl	-	-	-	-	-	-	-	-	-	-	-	1	-	-
545	Woodcock	-	-	-	-	-	-	-	-	-	-	-	4	-	-
546	<b>Lapwing</b>	-	-	-	-	-	-	7	-	-	1	-	-	-	-
548	<b>Green sandpiper</b>	-	-	-	-	-	-	-	1	-	-	-	-	-	-
550	<b>Marsh harrier</b>	-	-	-	-	-	-	-	(2)	-	-	-	-	-	-
553	<b>Common crane</b>	-	-	-	-	-	-	-	-	-	-	-	-	2	-

Species associated with the Humber Estuary SPA recorded in **bold**

'-' means that the species was not recorded during that visit.

Those in brackets were recorded in flight only.



**Table A3.3: Bird species Recorded within the Order Limits 2023/24. Winter walk-over (WWO) refers to diurnal surveys and “NOC” denotes nocturnal walk-over surveys. Numbers in brackets denote flying over.**

		13/0 9/20 23	25/0 9/20 23	28/0 9/20 23	01/1 0/20 23	10/1 0/20 23	23/1 0/20 23	05/1 1/20 23	13/1 1/20 23	24/1 1/20 23	08/1 2/20 23	11/1 2/20 23	20/1 2/20 23	05/0 1/20 24	16/0 1/20 24	16/0 1/20 24	05/0 2/20 24	06/0 2/20 24	19/0 2/20 24	03/0 3/20 24	11/0 3/20 24	25/0 3/20 24	16/0 4/20 24	25/0 4/20 24
		Sep	Sep	Sep	Oct	Oct	Oct	Nov	Nov	Nov	Dec	Dec	Dec	Jan	Jan	Jan	Feb	Feb	Feb	Mar	Mar	Mar	Apr	Apr
Field	Species Name	WWO	WWO	NOC	WWO	NOC	WWO	WWO	NOC	WWO	WWO	NOC	WWO	WWO	NOC	WWO	WWO	NOC	WWO	WWO	NOC	WWO	WWO	WWO
1	Buzzard																1							
2	Buzzard																							1
	Grey Partridge																2							
	Mallard																				2		1	
	Peregrine							1																
	Pink-footed Goose						56																	
	Woodcock										1													
4	Buzzard										1													
	Canada Goose						14																	
	Greylag Goose						1																	9
	Mallard																4						10	
	Mute Swan																		3		1			
	Woodcock														1									
5	Grey Partridge							6																
	Partidge sp.											10												
6	Buzzard							2																
7	Fieldfare									74														
8	Lapwing																			11	2	4	2	
	Mallard										4							17			1	4	2	



	Partidge sp.														8									
	Pink-footed Goose						28																	
	Woodcock														1									
9	Lesser Black-backed Gull																					2		
10	Buzzard		1										1										1	
	Fieldfare									110														
	Grey Partridge																2							
	Mallard																			1	4	3		
	Partidge sp.												4											
	Redwing									175														
	Woodcock																		2					
11	Barn Owl																(1)							
	Buzzard															1								
	Canada Goose						17																	
	Curlew																					1	2	
	Fieldfare									70														
	Greylag Goose						13																	
	Lapwing								111															
	Mallard	(12)																					2	
	Pink-footed Goose						84											1530						
12	Black-headed Gull						172																	
	Buzzard						1														1			
	Common Gull						15																	
	Lapwing						38										26							



	Lesser Black-backed Gull						18																	
	Mallard																					2		
1	Lapwing																					4		
3	Mallard																4							
1	Buzzard						1																	
5	Curlew																						2	
	Fieldfare						430																	
	Lapwing																						2	
	Mallard																						2	
1	Black-headed Gull						88																	
6	Curlew																					1		
	Greylag Goose						135				12													
	Kestrel																				1			
	Lapwing																				2	4		
	Mallard										11						6	4			2	6		
	Pink-footed Goose						1600																	
	Woodcock																1							
1	Black-headed Gull							47																
7	Buzzard																	1						
	Canada Goose						70																	
	Chaffinch														6									
	Fieldfare										140				85									
	Greylag Goose						210										27							
	Kestrel																	2						
	Lapwing															100								



	Mallard			2			8													8			
	Marsh Harrier						(1)																
	Pink-footed Goose						1440																
	Redwing															10							
	Starling															32							
18	Black-headed Gull						412	257		89	491		169	125		248		94	31				
	Buzzard																				1		
	Common Gull						52	9		4	4					1							
	Cormorant							1															
	Curlew																				2		
	Dunlin						6	27		13													
	Egyptian Goose										1												
	Fieldfare																		19				
	Golden Plover												66										
	Great Black-backed Gull						9																
	Greylag Goose							157										14		76			
	Herring Gull						49																
	Kestrel		2																				
	Lapwing							371		36	53			79		147				6			
	Lesser Black-backed Gull						41	4															
	Mallard						4	29			15		125			3	92	6		11			
	Mute Swan												4										



	Oystercatcher																		2		2		
	Pink-footed Goose						9	4															
	Teal										1												
	Wigeon						6																
19	Buzzard															1							
20	Lapwing																9						
	Mallard										4						5						
	Snipe										5												
21	partridge sp.			5																			
22	Mallard																4						
23	Kestrel																			1			
	Mallard																2					2	
	Woodcock																2						
24	Mallard																5						
26	Buzzard																			1			
28	Kestrel							1															
31	Black-headed Gull									22													
	Common Gull									3													
	Pink-footed Goose		(11)																				
35	Great Black-backed Gull						3																
	Herring Gull						6																



	Lesser Black-backed Gull						1																	
	Starling									85														
37	Black-headed Gull									27		17	33								2			
	Green Sandpiper											1												
	Mallard																2				2			
	partridge sp.										8													
	Woodcock																				1			
39	Fieldfare						390																	
	Kestrel																				1			
41	Woodcock																				1			
45	Golden Plover														6									
	Lapwing								24							47								
46	Barn Owl													1										
	Lapwing																				1			
	Woodcock																6				1			
47	Kestrel																							(1)
	Mallard																				1			
	Woodcock																1							
50	Black-headed Gull																							37
	Kestrel		1																					
	Lapwing													47								2		
	Mallard																						1	
	partridge sp.																				4			
	Red-legged Partridge													5										



	Woodcock									16					1						6			
5 1	Lapwing									16														
5 2	Black-headed Gull							21																
	Golden Plover								1															
	Great Black-backed Gull							4																
	Herring Gull							9																
	Lapwing							3					23											
	Woodcock														1						1			
5 3	Barn Owl														(1)									
5 4	Black-headed Gull										60												2	
	Buzzard																		1					
	Common Gull										4										3			
	Greylag Goose																						8	
	Lapwing						63								17						6		1	
	Partidge sp.								4			6												
	Woodcock																				1			
6 2	Black-headed Gull		1																					
	Great Black-backed Gull		5																					
	Herring Gull		1																					



6 3	Black-headed Gull																	20					
6 4	Buzzard																	1					
6 7	Fieldfare																	64					
	Redwing																	44					
	Starling																	30					
6 9	Buzzard						2																
7 0	Buzzard	1					2						1										
	Fieldfare																		60				
	Kestrel																		1				
	Starling																		80				
7 1	Buzzard						1																
7 2	Fieldfare						47																
	Woodcock																			1			
7 3	Black-headed Gull																	2					
	Lapwing							8															
	Skylark																		1				
	Starling												80										
7 5	Kestrel																					(1)	
	Mallard						2																
	partridge sp.			7																			
7 7	Buzzard								1														
7 9	Buzzard																		1				
	Fieldfare												8					26					
	Lapwing/ Golden plover							23															
	Merlin																				(1)		
	partridge sp.													2									



80	Fieldfare															82									
	Partidge sp.			7																					
81	Fieldfare																210								
	Starling																275								
82	Fieldfare															163									
	Goosander																						4		
83	Chaffinch								40																
	Fieldfare															20									
	Reed Bunting								25																
	Skylark															6									
	Sparrowhawk																					(1)			
	Yellowhammer								36																
84	Chaffinch															6									
	Fieldfare																		49						
	Greenfinch															2									
	Lapwing										12														
	Reed Bunting															10									
	Skylark								4																
	Starling								30											80					
	Yellowhammer															4									
85	Stonechat								2																
86	Barn Owl																	1							
	Black-headed Gull				129		11																		
	Caspian Gull				2																				
	Chaffinch															40									
	Common Gull						38																		



	Great Black-backed Gull																					2		
	Herring Gull				199		41																	
	Lapwing					6		26			44													
	Lesser Black-backed Gull				82		13																	
	Mallard								78												7			
	Woodcock																				2			
8	Buzzard								1															
7	Mallard																						2	1
8	Woodcock								1								1							
8	Skylark																		2					
9	Skylark								2		4						1							
9	Fieldfare														2									
2	Kestrel										1													
	Mallard																							1
	Partidge sp.																2							
	Skylark					1													2					
9	Black-headed Gull							53		89	117													
	Buzzard							1																
	Common Gull							4		14	6													
	Herring Gull							2																
	Woodcock																1							
9	Buzzard															1								
4	Chaffinch												15											
	Fieldfare															82								



	Starling												17											
	Stonechat								2			1							2					
	Yellowham mer												36									6		
9 5	Brambling									1														
	Chaffinch									15														
	Kestrel											(1)				1		1						
	Linnet																	16						
	Starling								26															
	Stonechat														2	1								
	Yellowham mer									10														
9 6	Buzzard						1																	
	Fieldfare														3									
	Kestrel						1																	
	Little Egret																		1					
	Mallard																4							
	Peregrine									1														
	Woodcock																			1				
9 7	Mallard						9																	
	Starling									120														
	Woodcock						2																	
9 8	Black- headed Gull									29														
	Fieldfare															10								
	Starling															130								
9 9	Buzzard	1																						
1 0 0	Herring Gull	11																						
	Lesser Black- backed Gull	190																						



1 0 1	Buzzard				1																			
1 0 3	Buzzard					1								3										
	Lapwing													12										
	Starling														320									
	Stonechat													1										
1 0 4	Fieldfare																37							
	Golden Plover																		6					
	Jack Snipe																		1					
	Linnet				120																	1		
	Mallard											6					13	2		3	2			
	Pied Wagtail																					1		
	Redwing																2							
	Starling												180											
	Wheatear																					1	1	
	Woodcock																3			4				
1 0 5	Black-headed Gull		151		211		132	160						71										
	Buzzard													2	1									
	Caspian Gull				1																			
	Common Gull						30	8						43	20									
	Golden Plover												7											
	Great Black-backed Gull						10																	
	Herring Gull		233		144		31	37																
	Lapwing					2																		
	Lesser Black-		34		14		4	2																



	backed Gull																							
	Marsh Harrier																				(1)			
	Woodcock						1					1												
	Yellow-legged Gull					1																		
106	Fieldfare											12												
	Linnet															18								
	Mallard				2											2			2, 1	2				
	Marsh Harrier		(1)																					
	Skylark									2														
	Teal																2							
113	Black-headed Gull						47		84				36					84						
	Buzzard						1		5	2		2	4					1		1				
	Common Gull	1					47		15				182					9						
	Fieldfare														46									
	Golden Plover										2				79									
	Great Black-backed Gull						1																	
	Grey Heron						2															1		
	Herring Gull	8					27																	
	Lapwing			5																				
	Lesser Black-backed Gull	175					1																	
	Little Egret						1																	
	Skylark																1		1					
	Woodcock										7						3							



	Yellow Wagtail																							1
1 1 4	Black-headed Gull								131															
	Buzzard						2		4															
	Common Gull								46															
	Golden Plover													78										
	Woodcock										4													
1 1 5	Buzzard				2					1								1	1					
	Grey Heron									1														
	Kestrel				1																			
	Mallard											8		49	28				2		5	1		
	Meadow Pipit								12															
	Pink-footed Goose											(51)												
	Teal													12					2					
	Woodcock																			3				
1 1 6	Black-headed Gull								138															
	Buzzard															1								
	Common Gull								12															
	Fieldfare														5									
	Grey Heron						1																	
	Herring Gull	4							24															
	Kestrel				(1)										1									
	Lesser Black-backed Gull	34																						
	Mallard																		2					



	Peregrine													1										
	Skylark																			2				
	Stonechat								2															
1 1 7	Black-headed Gull						204																	
	Buzzard															1		1						
	Common Gull						68																	
	Great Black-backed Gull						1																	
	Herring Gull	15			65		50																	
	Lesser Black-backed Gull	39			14		8																	
	Skylark																	2						
	Stonechat									1														
	Woodcock								2															
	Yellow-legged Gull	1			1																			
1 1 8	Black-headed Gull							13																
	Buzzard				1																1			
	Common Gull							25																
	Herring Gull							31																
	Lesser Black-backed Gull							2																
	Merlin				1																			
	Woodcock										2													
	Buzzard																	1						



1	Jack Snipe							2		1							2			3			
1	Snipe									3													
9																							
1	Black-headed Gull								10	126													
2	Buzzard								1	1								1	1			1	
0	Common Gull								36	198						3							
	Fieldfare														53								
	Golden Plover																			1			
	Grey Heron										1			1	2								
	Herring Gull									6													
	Mallard										4												
	partridge sp.													6									
	Redwing														30								
	Skylark																			1		1	
	Starling						300																
	Tawny Owl			1																			
	Teal																					1	
	Woodcock							2			16						5			1			
1	Barn Owl										(1)												
2	Woodcock							10			4									6			
2	Woodcock										1												
9																							
1	Buzzard					1	1																
3	Pink-footed Goose	(1)		(6)	154																		
0	Woodcock																			2			
1	Black-headed Gull														340								
3																							
2																							



	Lapwing														17									
	Starling														110									
1 3 4	Black-headed Gull															5								
	Golden Plover														20									
	Marsh Harrier						(1)																	
	Meadow Pipit														1									
	Snipe														4									
	Woodcock																1							
1 3 5	Black-headed Gull												14											
1 3 6	Mallard				5																			
	Skylark						2																	
	Woodcock											1												
1 3 7	Pink-footed Goose				3																			
	Skylark														8	3								
1 3 8	Common Gull						3																	
	Golden Plover														38									
	Lapwing											1												
	Mallard				3																			
	Skylark															1								
	Woodcock													1										
1 4 1	Black-headed Gull															54		18	40			2		
	Common Gull															5			2					
	Woodcock																1							



1 6 8	Black-headed Gull						39							6										
	Common Gull						1																	
	Greylag Goose						38																	
	Mallard																					3		
	Pink-footed Goose							620			194													
1 6 9	Barn Owl					(1)																		
	Kestrel				1																			
	Lesser Black-backed Gull	76																						
	Mallard																				2	6		
	Mistle Thrush												4											
	Mute Swan														3		3	3		3				
	Red-legged Partridge																		2					
	Tufted Duck																			2				
	Woodcock																		2					
1 7 0	Kestrel							1																
1 7 1	Gadwall																						2	
	Mallard						2											16					6	
	Marsh Harrier												(1)											
1 7 2	Pink-footed Goose		(32)																					
1 7 3	Black-headed Gull																368							



	Mallard																					1	
1	Buzzard																				1		
7	Herring Gull					1																	
5	Lesser Black-backed Gull					28																	
2	Lapwing															2							
1	Mallard	2														9			2				
7	Mute Swan																	2					
	Teal															2							
2	Fieldfare						40																
2	Mallard							22		2	26		4										
0	Teal										2												
2	Fieldfare												14										
2	Hobby	(1)																					
2	Kestrel	1			(1)																		
2	Mallard	(3)																					
2	Skylark				6																		
2	Lapwing							33															
4	Pink-footed Goose													1									
9																							
2	Black-headed Gull						198					380	101								93	11	
5	Buzzard																				1		
3	Common Gull										21												
	Fieldfare																	91					
	Lapwing															8							
	Mallard				33											37			8	5			
	Mute Swan																			2	2	2	



	Pied Wagtail												31											
	Starling											220												
275	Starling												44											
279	Black-headed Gull																193							
	Mallard																		2					
	Snipe																		2					
	Woodcock																		1					
280	Gadwall																7							
	Lapwing							32																
	Mallard																37	6				2		
281	Lapwing				220										39									
282	Black-headed Gull				4		219	102			58		3	43							2			
	Common Gull						3	2																
	Golden Plover							16																
	Herring Gull				4								1											
	Lapwing				3		41	53		5		27												
	Lesser Black-backed Gull				76																			
	partridge sp.			6																				
	Starling						230																	
283	Barn Owl										(1)													
	Lapwing							2												5				
	Linnet				40																			
	Mallard																			9				



285	Woodcock														4										
289	Greylag Goose						57																		
	Mallard																		2						
290	Black-headed Gull																				3				
	Fieldfare											19													
	Greylag Goose																					2		2	
	Lapwing										9					1			4		2			1	
	partridge sp.													2											
	Redwing											10													
	Woodcock					1					2														
291	Black-headed Gull						94			72						49									
	Buzzard																	1		1					
	Golden Plover								82																
	Herring Gull						37																		
	Kestrel								(1)																
	Lapwing								129				43	3	25										
	Marsh Harrier	(1)																							
292	Black-headed Gull								7	38		33	46			6									
	Buzzard														1			1							
	Fieldfare														12										
	Great Black-backed Gull						5																		
	Lapwing						257		29	48		12			1										



	Lesser Black-backed Gull						16																	
	Mallard										4	6												
	Starling									197														
4 0 2	Black-headed Gull	12					245	14			49		22				1							
	Buzzard							4									1							
	Common Gull						61	1			4		49				32			141				
	Golden Plover															9								
	Great Black-backed Gull						6	1																
	Herring Gull						44										9							
	Lesser Black-backed Gull						20																	
	Woodcock											1			1									
4 1 3	Fieldfare																		41					
	Starling																		65					
4 1 6	Fieldfare									4														
	Lapwing									72														
4 3 6	Barn Owl										(1)													
	Black-headed Gull							49		12			26											
	Buzzard							1		1									2					
	Common Gull							84		39			41											
	Golden Plover															84								



	Great Black-backed Gull							1																
	Grey Heron										1													
	Herring Gull							60																
	Linnet																2							
	Marsh Harrier																						(1)	
	Skylark																2		1					
	Wheatear																					1		
	Woodcock					1			12			12			1			12			3			
	Yellowham mer									26														
437	Black-headed Gull							22																
	Grey Heron							2																
	Herring Gull							2																
	Mallard																2							
	Peregrine											(1)												
	Pied Wagtail																					1		
	Wheatear																					1		
	Woodcock											13					2			2				
	Yellowham mer										32													
496	Lapwing						4					19												
	Woodcock											3								1				
497	Black-headed Gull									9														
	Buzzard															2								
	Fieldfare														10									
	Lapwing													1										



	Mallard				(8)															1			
	Partidge sp.																2						
	Reed Bunting						2																
	Skylark														2								
	Woodcock												20				6			6			
	Yellowham mer						25						40		25								
4 9 8	Golden Plover								22														
	Starling						120																
4 9 9	Mallard								(1)														
5 2 1	Buzzard		1		1		1					1											
	Grey Heron	1					1																
	Greylag Goose																			2			
	Mallard																2					2	
	Sparrowha wk		(1)																				
5 6 3	Gadwall																			1			
	Greenfinch												8										
	Greylag Goose																			6	2		
	Kestrel																				1		
	Lapwing								8														
	Mallard																			2			
	Wigeon																42						
5 7 0	Black- headed Gull						86																



**A3.4: Bird species Recorded within the Wider Survey Area 2023/24. Numbers in brackets denote flying over.**

		Sep	Sep	Sep	Oct	Oct	Oct	Nov	Nov	Nov	Dec	Dec	Dec	Jan	Jan	Jan	Feb	Feb	Feb	Mar	Mar	Mar	Apr	Apr
Field	Species Name	WWO	WWO	NOC	WWO	NOC	WWO	WWO	NOC	WWO	WWO	NOC	WWO	WWO	NOC	WWO	WWO	NOC	WWO	WWO	NOC	WWO	WWO	WWO
14	Mallard																					4		
36	Black-headed Gull												50											
	Common Gull												11											
	Fieldfare							48																
	Grey Heron						1																	
	Herring Gull												8											
	Lapwing											6												
	Starling							105																
	Woodcock																	2						
56	Black-headed Gull																							12
	Lapwing																					2		
	Snipe			1																				
58	Mute Swan																	2	2					
59	Black-headed Gull	2					77	22		72	31			63						1				3
	Buzzard						1				1													
	Common Gull						6	3			2		2	1		6								
	Golden Plover								12															
	Great Black-backed Gull	13					4	11																
	Grey Partridge													3										
	Herring Gull	6					11	4						1										
	Lapwing						48			8														



	Lesser Black-backed Gull	3					1															
	Mallard						47												4			2
	Mute Swan																					2
	Patridge sp.			5, 6		8					10								2			
65	Buzzard														1							
	Common Gull							4														
	Marsh Harrier																					1
66	Black-headed Gull																6				2	
	Green Sandpiper																1					
	Woodcock														5							
109	Buzzard										1											
112	Buzzard									1												
	Grey Heron								1													
	Woodcock								4													
121	Woodcock										6											
123	Buzzard	1								1												
	Fieldfare									41												
	Grey Heron													1								
124	Woodcock										19								12			
125	Marsh Harrier									1												
126	Buzzard		1																			
	Woodcock															5						
127	Kestrel		1																			
128	Kestrel						1															
	Little Egret						2															
	Marsh Harrier	(1)																				
	Sparrowhawk							(1)														(1)
	Tawny Owl			(1)																		
131	Marsh Harrier				(1)																	
139	Skylark								1									2				



	Woodcock																5						
140	Jack Snipe							2															
	Skylark							1															
	Woodcock												2										
149	Yellowhammer						30																
156	Snipe															1							
160	Canada Goose											84											
	Greylag Goose											64											
	Pink-footed Goose											47											
												6											
163	Black-headed Gull						87																
	Common Gull						6																
164	Black-headed Gull					17							69										
	Lapwing															8							
	Pink-footed Goose										2												
165	Black-headed Gull												20										
	Buzzard																	1					
	Mallard																	2					
166	Black-headed Gull											6											
	Buzzard						1																
177	Black-headed Gull														52								
															2								
	Lapwing														27								
181	Black-headed Gull																	47					
182	Black-headed Gull																11			2			
	Green Sandpiper																			1			
	Mallard																			2			
	Mute Swan																					1	
184	Buzzard																					1	
185	Buzzard									1					1								
	Grey Heron						1																
	Sparrowhawk																					1	



	Yellowhammer																46							
186	Buzzard																		1					
	Fieldfare															76								
	Red-legged Partridge							15								19								
	Redwing															5								
	Reed Bunting																		2					
	Yellowhammer																		6					
188	Linnet																80							
191	Teal															8								
193	Woodcock											1												
195	Marsh Harrier				(1)																			
196	Pink-footed Goose				480																			
207	Mallard																						1	
	Teal																						2	
209	Mallard																			5				
	Teal																					6		
223	Lapwing											11												
	Mallard																			2				
224	Buzzard							1																
	Marsh Harrier				(1)																			
	partridge sp.							5			6													
	Skylark				38																			
	Starling									14														
								0																
225	Buzzard						1																	
227	Pink-footed Goose				56																			
228	Kestrel						1																	
	Linnet									80														
229	Greylag Goose													51										
	Partridge sp.							7																
	Pink-footed Goose													66										
														8										



	Skylark				17																			
230	Buzzard									1														
	Mallard	(6)															2							
	Starling									19 5														
231	Black-headed Gull									19														
	Mallard																	2						
232	Mallard																						2	
	Sparrowhawk									(1)														
233	Buzzard														1									
	Woodcock																				1			
238	Kestrel														(1)									
	Woodcock																				2			
241	Woodcock																7							
242	Black-headed Gull									36														
	Common Gull									4														
251	Lapwing											5												
252	Barn Owl																(1)							
	Lapwing/ Golden plover									37														
	Woodcock																10				1			
259	Black-headed Gull										12 5													
261	Little Owl																1							
262	Black-headed Gull																					2		
	Mallard																							2
263	Mute Swan													4		5								
265	Lapwing																21							
	Mute Swan																	4		4				
277	Black-headed Gull										95													
	Kestrel													1		1								
	Mallard																							2



	Partridge sp.							5			9													
	Starling									40														
286	Mallard																				2			
	Marsh Harrier														(1)									
287	Barn Owl				(1)																			
	Buzzard					1																		
	Mallard															3								
	Moorhen				(2)																			
288	Barn Owl			(1)																1				
	Black-headed Gull					74	287			26		68	41										5	
	Buzzard								1				1											
	Common Gull					1																		
	Golden Plover														1									
	Greylag Goose							36																
	Herring Gull					7						1												
	Kestrel															1								
	Lapwing							23					6		11	12	24	66	29	19	2			
	Lesser Black-backed Gull					5																		
	Little Egret						6			4		1												
	Mallard															3								
	Woodcock							2						1										
306	Buzzard				1																			
308	Great Black-backed Gull					5																		
	Herring Gull					7																		
309	Black-headed Gull		1																					
	Great Black-backed Gull		1																					
	Herring Gull		5																					
	Partridge sp.																			2				
	Woodcock													1										



<b>310</b>	Black-headed Gull																						4	
	Woodcock								1															
<b>312</b>	Black-headed Gull																						2	
<b>316</b>	Black-headed Gull		26																					
	Great Black-backed Gull		6																					
	Herring Gull		1																					
<b>317</b>	Lapwing										12													
<b>318</b>	Buzzard								1															
	Common Gull																					2		
	Great Black-backed Gull		6																					
	Herring Gull		1																					
	Lapwing		32	54																				
	Mallard																31							
<b>319</b>	Black-headed Gull															12			3					
	Buzzard															2		1						
	Skylark																		4					
	Woodcock					1																		
<b>320</b>	Lapwing								28															
<b>322</b>	Skylark																		2					
<b>323</b>	Black-headed Gull					11				22		6						11	1				9	
						8																		
	Common Gull					1				2		1						3						
	Crane																			(3)				
	Great Black-backed Gull					6																		
	Herring Gull					2																		
	Mallard					18																	1	
	Partidge sp.										9													
	Skylark																		2					



325	Great Black-backed Gull						4																
	Lesser Black-backed Gull						2																
	Partridge sp.									7						2							
	Woodcock			1																			
338	Black-headed Gull										1					3							
	Kestrel								1		(1)												
340	Black-headed Gull								48														
	Common Gull								1														
343	Barn Owl										(1)												
345	Black-headed Gull										22												
355	Barn Owl											1											
	Black-headed Gull															11			3				
	Greylag Goose																	22					
	Lapwing															6			16				
	Mallard										16					7	63	2	47			1	
	Snipe															12							
358	Black-headed Gull		18																				
	Common Gull		1																				
	Herring Gull		30																				
	Lesser Black-backed Gull		25																				
359	Lapwing							11															
361	Black-headed Gull						59															28	
	Common Gull						2																
	Fieldfare																70						
	Herring Gull						8																
	Lesser Black-backed Gull						6																
	Starling																		21				
																		0					



363	Mallard																						1
365	Woodcock																2						
366	Black-headed Gull					87	8																
	Common Gull						3																
	Golden Plover					3																	
	Great Black-backed Gull					2	2																
	Herring Gull					12																	
367	Lapwing										10												
	Woodcock																3						
368	Black-headed Gull					14																	
	Buzzard											1											
	Fieldfare													94									
	Kestrel									1													
	Snipe							1															
369	Lapwing							3															
	Snipe							1															
370	Black-headed Gull																						2
	Great Black-backed Gull						1																
	Grey Partridge														4								
	Woodcock										3												
371	Barn Owl																1						
	Black-headed Gull					24			14														
	Common Gull								1														
	Great Black-backed Gull					2																	
	Lapwing							6															
	Little Egret		2																				
	Mallard					9																	
	Mute Swan					6												2					
	Snipe													2									



<b>372</b>	Little Egret												1											
<b>373</b>	Black-headed Gull						9			10													17	
	Common Gull									1														
<b>375</b>	Barn Owl			1																				
<b>376</b>	Kestrel															1								
<b>383</b>	Little Egret									1														
	Mallard					6				28														
	Moorhen					2																		
	Teal									1														
<b>384</b>	Barn Owl														(1)									
	Buzzard				1																			
	Common Gull									4														
	Herring Gull									19														
	Jack Snipe																					1		
	Kestrel																					(1)		
	Mallard							18								6					2			
	Teal							2																
<b>385</b>	Lapwing													2										
	Mallard												8			36	2						1	
	Snipe																3							
	Teal												1		2	9								
	Woodcock													5			2							
<b>386</b>	Fieldfare												8											
	Woodcock													4										
<b>387</b>	Mallard	49		5	6		57						30				3	17	5			4		2
	Moorhen			3																				
	Teal	3					4						18					1	3			6		1
<b>388</b>	Barn Owl											1												
<b>389</b>	Teal									5			4											
<b>390</b>	Black-headed Gull													1										
	Common Gull													4										
	Fieldfare							13																



	Herring Gull													25									
	Mallard													6		2	6	3				1	1
	Snipe														14								
	Starling																32						
	Teal																0						
	Woodcock																2			2	1		
391															1								
	Chaffinch						12																
	Fieldfare						12																
							0																
	Mallard																				2		
	Starling						50																
396	Mallard																	4					
397	Black-headed Gull						28																
	Mallard		31			4	4																
	Yellowhammer											12											
398	Fieldfare												83										
	Mallard										5										3		1
	Mistle Thrush												2										
	Partridge sp.			8																			
	Redwing												16										
	Sparrowhawk						(1)																
	Woodcock			1														2					
400	Black-headed Gull						27			46		17							4				
	Common Gull																		7				
	Sparrowhawk											(1)											
401	Black-headed Gull						28			22		11							31	10	1		
	Common Gull						3												71				
	Mallard																		2				
	Woodcock																		2				
417	Buzzard								1														
	Fieldfare															2							



	Lapwing														19									
	Stonechat											1												
419	Little Egret								2															
421	Kestrel														1									
428	Buzzard											1												
	Common Gull																	1						
	Fieldfare														20									
	Herring Gull																	2						
	Woodcock										1													
429	Fieldfare														12									
	Kestrel																			2				
430	Buzzard	(1)																						
431	Buzzard																					1		
448	Pink-footed Goose														14									
	Tawny Owl																1							
450	Greylag Goose																		2					
	Little Egret				1																			
	Partridge sp.													6										
	Snipe																9							
451	Buzzard														1									
	Snipe														1					10				
460	Reed Bunting						4																	
	Yellowhammer						17																	
466	Barn Owl				1																			
	Meadow Pipit																		38					
	Skylark						1	1																
467	Green Sandpiper							1																
	Skylark							1									2		2					
	Woodcock																1							
468	Jack Snipe																1							
	Kestrel				1			1								1								
	Little Egret							1																



	Skylark								1														
469	Linnet																9						
475	Starling																	26					
																		0					
476	Linnet																			4			
	Reed Bunting							8															
	Skylark																	1					
479	Kestrel													(1)									
	Skylark							2															
480	Lapwing																		12				
	Woodcock										8												
483	Lapwing																	2					
	Snipe															8							
	Woodcock												6										
484	Skylark													2									
485	Green Sandpiper			1																			
	Kestrel						1																
	Little Owl																		2				
	Mallard										8												1
	Skylark							4							1								
	Snipe															6							
	Teal												1										
	Woodcock										1					1							
486	Golden Plover								20														
	Lapwing																		2				
487	Jack Snipe																		2				
	Snipe																		15				
	Woodcock										1												
488	Barn Owl															(1)							
	Grey Partridge																2						
	Skylark						8					2		4		1							
	Woodcock										1								2				



489	Black-headed Gull							24																
	Common Gull							2																
	Pied Wagtail																76							
490	Black-headed Gull						34			6				5										
	Common Gull						3																	
	Skylark						2																	
492	Black-headed Gull							27		13				20										
	Greylag Goose																					2		
	Mallard																					2		
494	Black-headed Gull									3				27										
502	Marsh Harrier									(1)														
504	Buzzard					1																		
	Skylark					6																		
506	Barn Owl									1														
507	Greylag Goose																						1	
508	Grey Heron									1														
	Kestrel					1																		
	Skylark					4																		
510	Kestrel							1																
512	Skylark							2																
514	Barn Owl											(1)												
	Buzzard																				1			
	Peregrine												1											
515	Caspian Gull	1																						
	Herring Gull	16																						
	Lesser Black-backed Gull	32																						
	Starling	5																						
	Woodcock																							
	Yellow-legged Gull																							
516	Black-headed Gull	6																						
								194																



	Buzzard												1											
	Common Gull							50																
	Herring Gull							9																
	Lapwing				30																			
	Lesser Black-backed Gull							6																
	Marsh Harrier	(1)																						
	Reed Bunting							24								3								
	Skylark							1																
	Starling							100																
	Stonechat															1								
517	Woodcock													1										
519	Kestrel							1																
	Pink-footed Goose				112																			
					0																			
523	Buzzard																	2						
524	Buzzard																	2						
531	Kestrel																						(1)	
534	Black-headed Gull						26	235		80			19			10								
							4					4				2								
	Common Gull						12	2		19			8			9								
	Herring Gull						2			6			4											
	Kestrel														1								1	
	Linnet																17							
	Mallard						6					4	2				4			8		1		
	Starling						17										9							
							0																	
	Woodcock																1							
535	Black-headed Gull															39								
	Mallard																			3				
	Woodcock											1												



536	Common Gull								2														
545	Buzzard																				1		
	Greylag Goose																	7		3			
	Lapwing												2										
	Skylark				27		5																
	Woodcock												1										
546	Barn Owl												1										
	Lapwing												4										
	Meadow Pipit													22									
	Partridge sp.												4										
	Woodcock																		1				
547	Black-headed Gull																					2	
548	Black-headed Gull																				1		
	Buzzard													1									
	Grey Partridge																			2			
	Jack Snipe															1							
	Kestrel																	1					
	Linnet																	30					
	Mallard																					1	
	Snipe												1			4							
	Woodcock															10							
550	Marsh Harrier								(1)														
	Pink-footed Goose					100	0																
553	Pink-footed Goose				420																		
555	Marsh Harrier							(1)															
566	Black-headed Gull																			2			
	Greylag Goose						18	4															
	Marsh Harrier							(1)															



## ANNEX 4: VANTAGE POINT SURVEY DATA 2023/24

**Table A4.1: Vantage Point Survey Data 2023/24**

Date	VP	Flight/ Perched	Species	Number	Start time	Duration	HT 1 (0- 10m)	HT 2 (10- 50m)	HT 3 (50m+)
27/09/2023	1	F	Pink-footed goose	148	12:47	65	0	0	65
27/09/2023	1	F	Grey heron	1	13:20	12	12	0	0
27/09/2023	1	F	Marsh harrier	1	14:04	20	20	0	0
23/09/2023	2	F	Marsh harrier	1	15:24	120	120	0	0
23/09/2023	2	F	Pink-footed goose	46	15:47	75	0	0	75
23/09/2023	2	F	Marsh harrier	1	16:06	110	110	0	0
30/09/2023	3	F	Pink-footed goose	27	12:36	110	0	0	110
30/09/2023	3	F	Greylag goose	1	12:56	230	0	230	0
30/09/2023	3	F	Greylag goose	11	13:52	75	0	30	45
25/09/2023	4	F	Pink-footed goose	16	18:52	35	0	15	20
25/09/2023	4	F	Sparrowhawk	1	18:55	20	20	0	0
29/09/2023	5	F	Marsh harrier	1	13:56	110	15	95	0
29/09/2023	5	F	Pink-footed goose	220	14:17	150	30	75	45
29/09/2023	5	F	Pink-footed goose	58	14:30	95	20	30	45
29/09/2023	5	F	Marsh harrier	1	14:40	270	0	270	0
29/09/2023	5	F	Peregrine	1	15:01	170	45	125	0
29/09/2023	5	F	Pink-footed goose	6	15:42	82	22	15	45
29/09/2023	5	F	Pink-footed goose	31	16:04	60	15	15	30
29/09/2023	5	F	Pink-footed goose	7	16:11	50	20	30	0
29/09/2023	5	F	Peregrine	1	16:22	35	0	35	0
28/09/2023	6	F	Pink-footed goose	62	15:44	140	0	0	140
28/09/2023	6	F/P	Grey heron	1	16:37	15	15	0	0
28/09/2023	6	F/P	Grey heron	1	17:02	10	10	0	0
28/09/2023	6	F/P	Grey heron	1	18:01	35	35	0	0
28/09/2023	6	F/P	Grey heron	2	18:03	20	20	0	0
28/09/2023	6	F/P	Grey heron	1	18:08	25	25	0	0
16/10/2023	2	F	Pink-footed goose	37	14:16	120	0	120	0
16/10/2023	2	F	Lapwing	81	14:40	300	45	255	0
26/10/2023	3	F	Pink-footed goose	31	08:42	50	0	0	50
26/10/2023	3	F	Pink-footed goose	6	08:50	35	0	0	35
26/10/2023	3	F	Pink-footed goose	76	09:17	80	0	0	80
26/10/2023	3	F	Pink-footed goose	141	09:43	60	0	0	60
26/10/2023	3	F	Grey heron	1	10:50	25	25	0	0
15/10/2023	4	P	Lapwing	127	14:07	10,800	0	0	0
15/10/2023	4	F/P	Grey heron	1	14:21	20	20	0	0
30/10/2023	5	F	Marsh harrier	1	12:27	80	0	80	0
30/10/2023	5	F	Pink-footed goose	132	12:30	300	0	0	300
30/10/2023	5	F	Pink-footed goose	99	12:59	145	0	0	145
30/10/2023	5	F	Golden plover	9	13:45	75	0	0	75
30/10/2023	5	F	Snipe	1	13:49	135	0	0	135
30/10/2023	5	F	Great white egret	2	14:06	60	0	0	60
13/10/2023	6	P	Grey heron	1	15:30	10,800	0	0	0
13/10/2023	6	F	Pink-footed goose	18	15:36	30	0	0	39
13/10/2023	6	F	Pink-footed goose	14	16:04	150	30	30	90
13/10/2023	6	F	Pink-footed goose	21	16:05	150	30	60	60
13/10/2023	6	F	Grey heron	1	16:20	25	25	0	0



13/10/2023	6	F	Marsh harrier	1	16:30	65	65	0	0
14/11/2023	1	F	Kestrel	1	13:00	75	75	0	0
14/11/2023	1	F	Pink-footed goose	1	13:13	135	0	0	135
14/11/2023	1	F	Pink-footed goose	6	13:29	140	0	0	140
14/11/2023	1	F	Marsh harrier	1	14:48	150	150	0	0
14/11/2023	1	F	Marsh harrier	1	15:11	45	15	30	0
16/11/2023	6	F	Peregrine	1	13:54	40	0	40	0
16/11/2023	6	F	Pink-footed goose	88	14:20	150	0	0	150
16/11/2023	6	F	Pink-footed goose	43	14:22	150	0	0	150
16/11/2023	6	F	Pink-footed goose	3	14:31	60	0	60	0
16/11/2023	6	F	Pink-footed goose	140	14:49	120	0	0	120
16/11/2023	6	F	Pink-footed goose	106	14:57	150	0	0	150
16/11/2023	6	F	Marsh harrier	1	15:23	30	0	30	0
16/11/2023	6	F	Pink-footed goose	26	15:49	100	0	0	100
16/11/2023	6	F	Grey heron	2	16:04	75	75	0	0
05/11/2023	2	F/P	Greylag goose	75	09:04	65	65	0	0
05/11/2023	2	F	Pink-footed goose	3	10:20	85	0	85	0
05/11/2023	2	F	Pink-footed goose	47	10:21	40	0	40	0
05/11/2023	2	F	Marsh harrier	1	10:48	120	0	60	60
05/11/2023	2	F	Pink-footed goose	10	10:57	140	0	0	140
27/11/2023	3	F	Pink-footed goose	83	11:17	90	0	0	90
27/11/2023	4	F	Greylag goose	28	13:11	20	20	0	0
27/11/2023	4	P	Greylag goose	71	13:10	10,800	0	0	0
27/11/2023	4	P	Pink-footed goose	7	13:10	10,800	0	0	0
27/11/2023	4	F	Golden plover	73	13:49	105	45	60	0
27/11/2023	4	F	Pink-footed goose	109	13:51	90	0	0	90
27/11/2023	4	F	Pink-footed goose	9	14:03	60	30	30	0
27/11/2023	4	F	Pink-footed goose	8	14:10	45	0	45	0
27/11/2023	4	F	Golden plover	6	15:01	40	0	0	40
27/11/2023	4	F	Pink-footed goose	33	15:16	150	0	0	150
27/11/2023	4	F	Pink-footed goose	107	15:23	120	0	0	120
27/11/2023	4	F	Lapwing	60	15:29	120	0	0	60
27/11/2023	4	F	Pink-footed goose	11	15:37	135	0	0	135
27/11/2023	4	F	Barn owl	1	16:00	45	45	0	0
23/11/2023	5	F	Whooper swan	4	12:11	75	0	75	0
23/11/2023	5	F	Pink-footed goose	15	12:17	125	0	0	125
23/11/2023	5	F	Pink-footed goose	39	13:09	45	0	45	0
24/12/2023	1	F	Golden plover	23	09:57	45	0	45	0
24/12/2023	1	F	Peregrine	1	10:27	40	40	0	0
24/12/2023	1	F	Pink-footed goose	68	11:08	120	0	0	120
18/12/2023	4	F	Marsh harrier	1	10:31	135	135	0	0
18/12/2023	4	F/P	Pink-footed goose	2	12:01	105	45	60	0
18/12/2023	4	P	Lapwing	12	09:45	10,800	0	0	0
24/12/2023	5	F	Greylag goose	9	14:04	80	0	0	80
03/12/2023	6	F	Grey heron	1	13:56	45	45	0	0
03/12/2023	6	F	Pink-footed goose	90	14:50	120	0	120	0
03/12/2023	6	F	Marsh harrier	1	15:00	210	210	0	0
14/01/2024	1	F	Marsh harrier	1	14:17	180	0	0	180
14/01/2024	2	F	Lapwing	147	11:28	100	0	100	0
14/01/2024	2	F/P	Lapwing	156	11:50	60	60	0	0
14/01/2024	2	F	Little egret	1	12:14	20	20	0	0
14/01/2024	2	F	Marsh harrier	1	12:35	60	60	0	0



31/01/2024	3	F	Common crane	2	12:04	135	0	0	135
22/01/2024	4	F	Marsh harrier	1	09:26	110	0	110	0
22/01/2024	4	F	Pintail	1	09:51	50	0	50	0
22/01/2024	4	F	Marsh harrier	1	10:29	40	0	40	0
22/01/2024	4	F	Lapwing	130	11:06	60	30	30	0
26/02/2024	1	F	Marsh harrier	1	13:12	270	90	180	0
26/02/2024	1	F	Snipe	1	14:30	70	0	0	70
23/02/2024	3	F	Peregrine	1	10:45	180	0	180	0
23/02/2024	3	F	Marsh harrier	1	10:54	170	170	0	0
23/02/2024	3	F	Mute swan	6	11:22	75	75	0	0
23/02/2024	3	F	Marsh harrier	1	11:50	480	0	90	390
23/02/2024	3	F	Lapwing	2	12:23	100	0	100	0
11/02/2024	4	F	Lapwing	180	10:38	330	0	0	330
11/02/2024	4	F	Lapwing	310	11:26	480	0	0	480
11/02/2024	4	F	Pink-footed goose	1	11:36	75	0	75	0
11/02/2024	4	F	Pink-footed goose	1	11:59	90	0	0	90
11/02/2024	4	F	Lapwing	36	12:17	140	50	60	30
11/02/2024	4	F	Golden plover	30	12:25	75	30	30	15
11/02/2024	5	F	Marsh harrier	1	14:06	90	0	90	0
11/02/2024	5	F	Wigeon	6	15:29	45	0	0	45
26/03/2024	3	F	Mute swan	1	16:10	60	60	0	0
26/03/2024	3	F	Grey heron	1	16:54	95	0	0	95
26/03/2024	3	F	Pink-footed goose	12	17:31	160	0	0	160
22/03/2024	4	F	Oystercatcher	2	11:20	90	45	45	0
22/03/2024	4	F	Grey heron	1	11:26	135	0	135	0
12/03/2024	5	F	Gadwall	1	16:11	40	0	40	0
27/03/2024	6	F	Marsh harrier	1	11:52	90	90	0	0



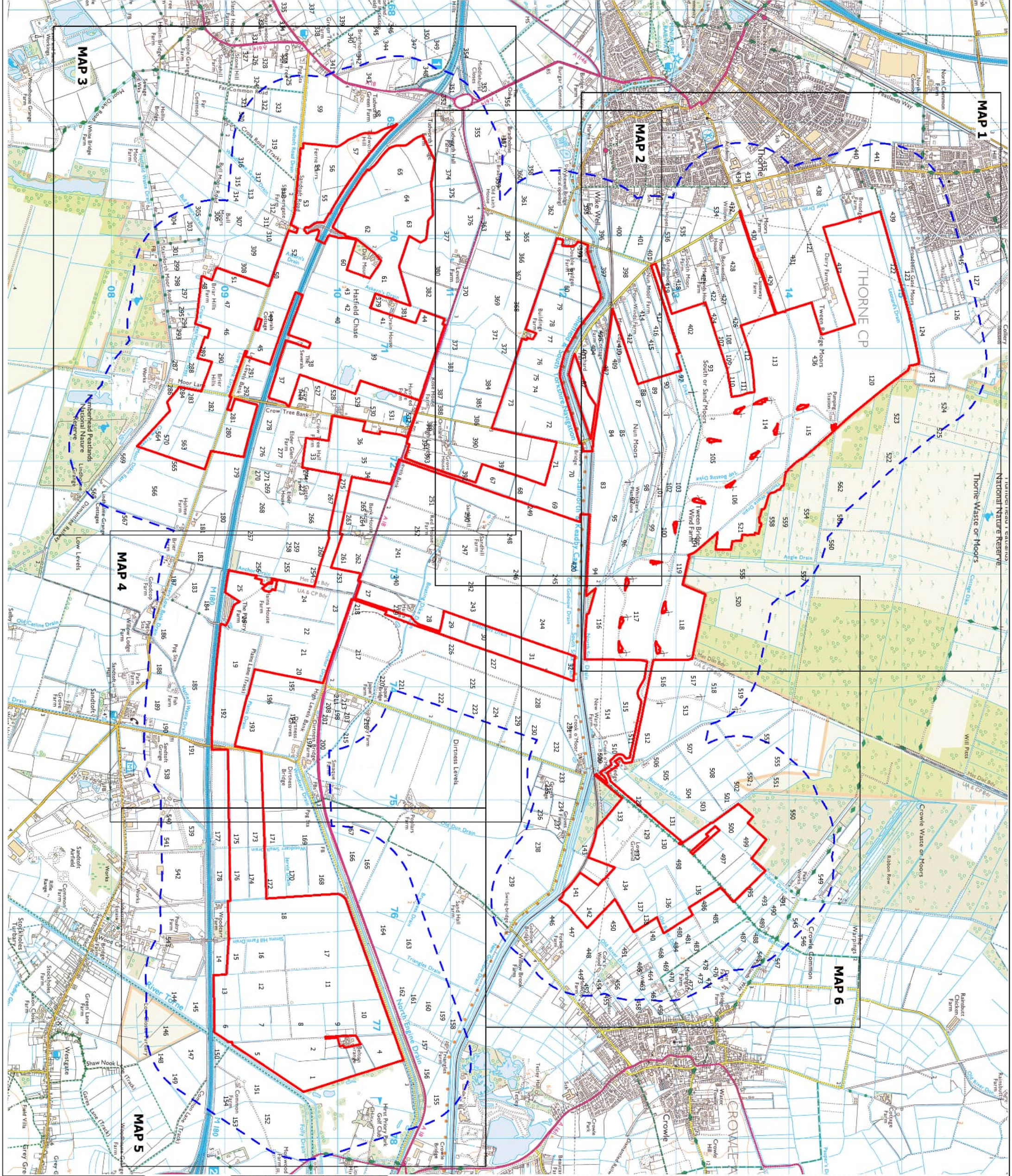
**ANNEX 5: FIGURES**



**Legend**

**Site**

**600m Site Buffer**



**avianecology**

Avian Ecology, Suez, St Wilfrid's Farm, Northwick Road, Lowestoft, Suffolk, IP11 2JF  
01502 538531  
www.avianecology.co.uk

**TWEON BRIDGES NSIP**

WBS OVERVIEW PLAN

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Co-ordinated system: British National Grid  
Datum: OSGB 1936  
Units: Metres

Rev	Date	Description	De	App
00	31/08/2023		ZH	HD

0 1  
kilometres

N  
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E  
S

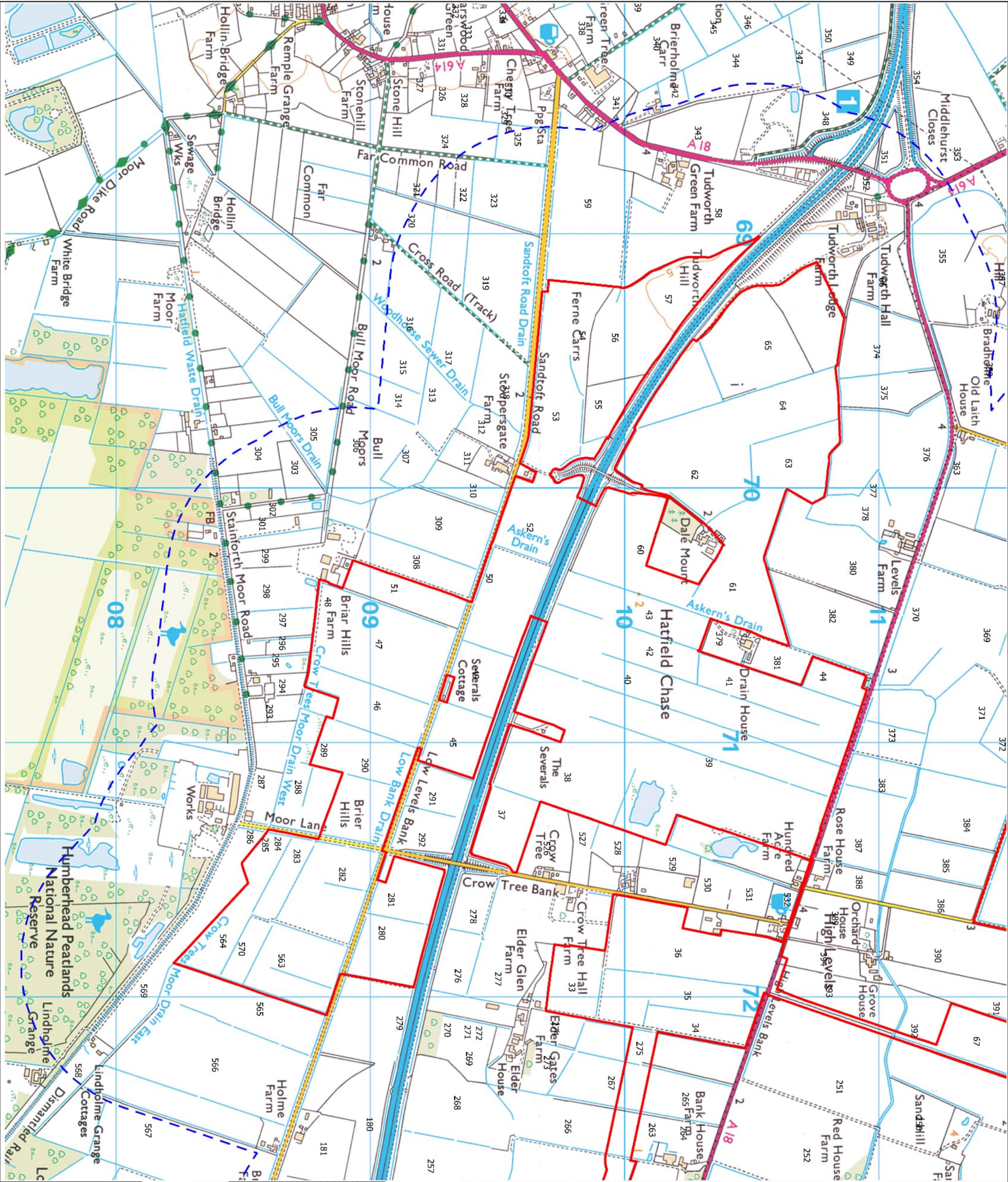












**Legend**

- Site
- 600m Site Buffer

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Rev	Date	Description	De	App

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Units: Metres



## TWEEN BRIDGES NSIP

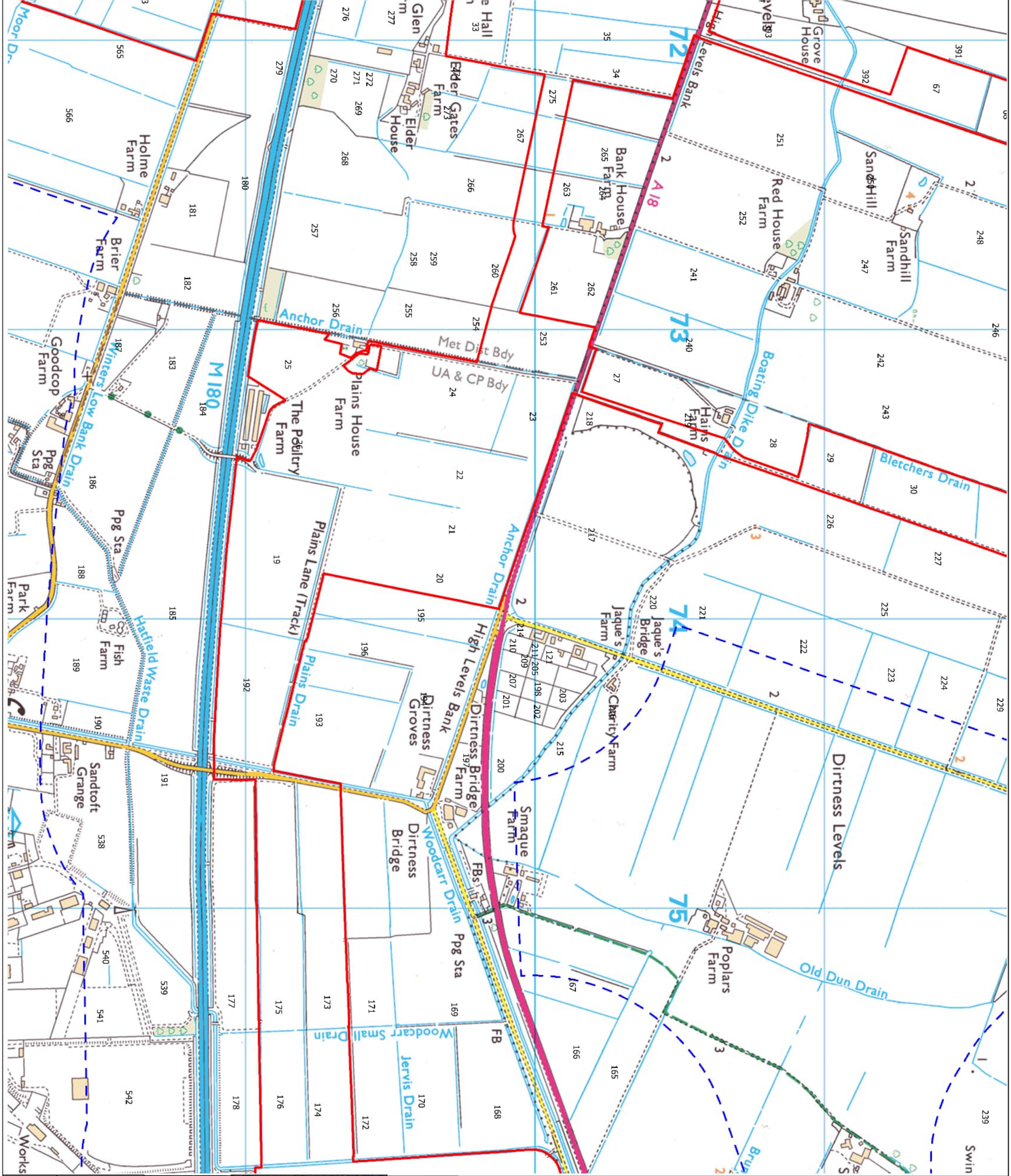
WBS OVERVIEW PLAN



Avian Ecology, Suite 3c, Whitton Tree Farm, Northwick Road, Lowestoft, Suffolk, IP11 2JL  
Tel: 01502 535115  
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**Legend**

- Site
- 600m Site Buffer

Swin

Rev	Date	Description	ZH	HD
00	31/08/2023			

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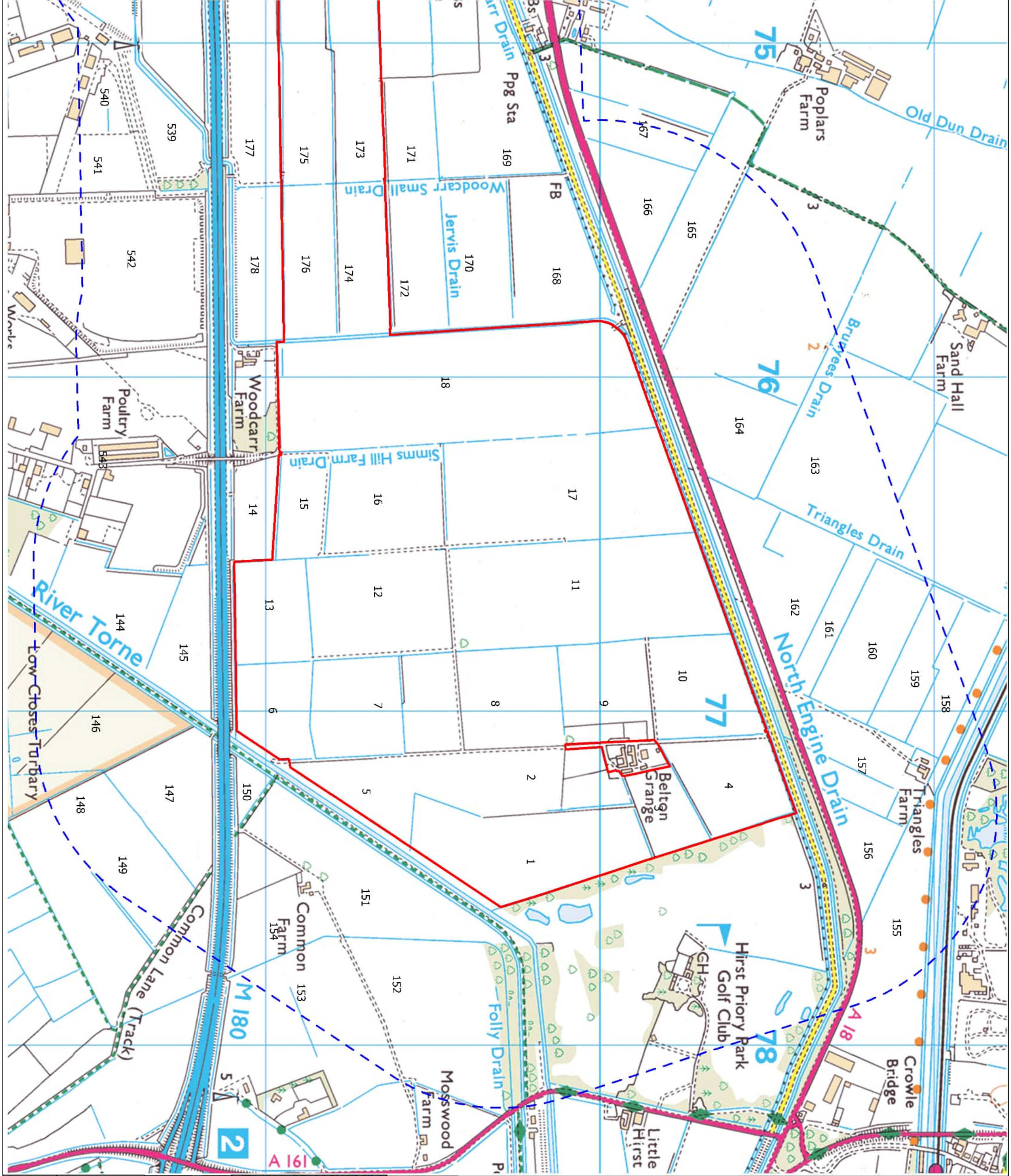
**TWEEN BRIDGES NSIP**

WBS OVERVIEW PLAN

Avian Ecology, Suite 3c, Waterside Farm, Northwich Road, Lower Stratton, Walsley, West Yorkshire, WF4 5LH  
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0 350 metres





**Legend**

- Site
- 600m Site Buffer

00	31/08/2023		ZH	HD
Rev	Date	Description	De	App

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Geographical Names Authority  
Ordnance Survey 1996  
Johns, 1996



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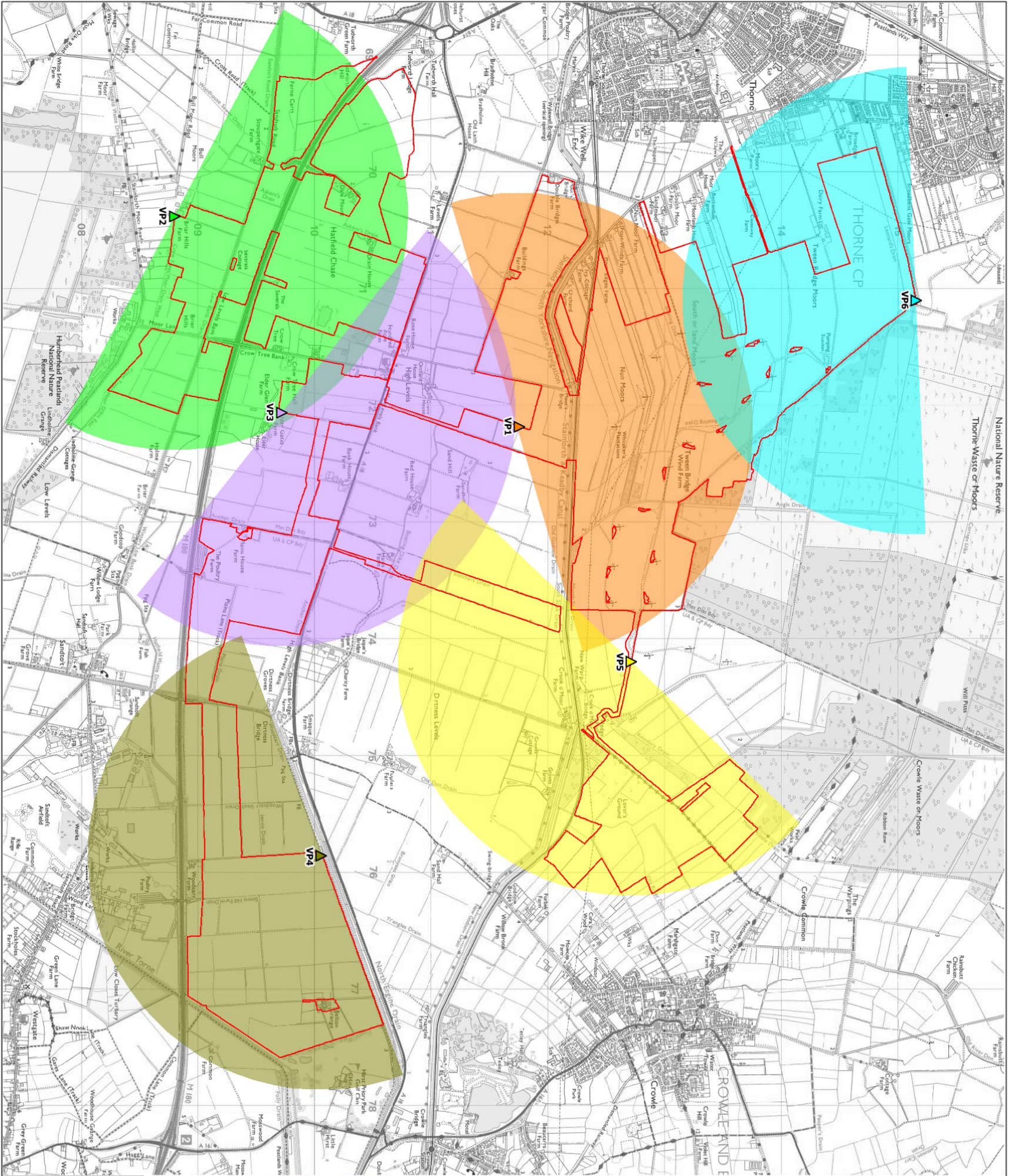
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N  
W E S









Legend

Site

Vantage Point (VP)

VP1 - SE/218011755

VP2 - SE/7037708799

VP3 - SE/7205909720

VP4 - SE/7585810057

VP5 - SE/7419512713

VP6 - SE/7109915154

Viewshed 1

Viewshed 2

Viewshed 3

Viewshed 4

Viewshed 5

Viewshed 6

Rev	Date	Description	HD	MR
00	18/09/2023			

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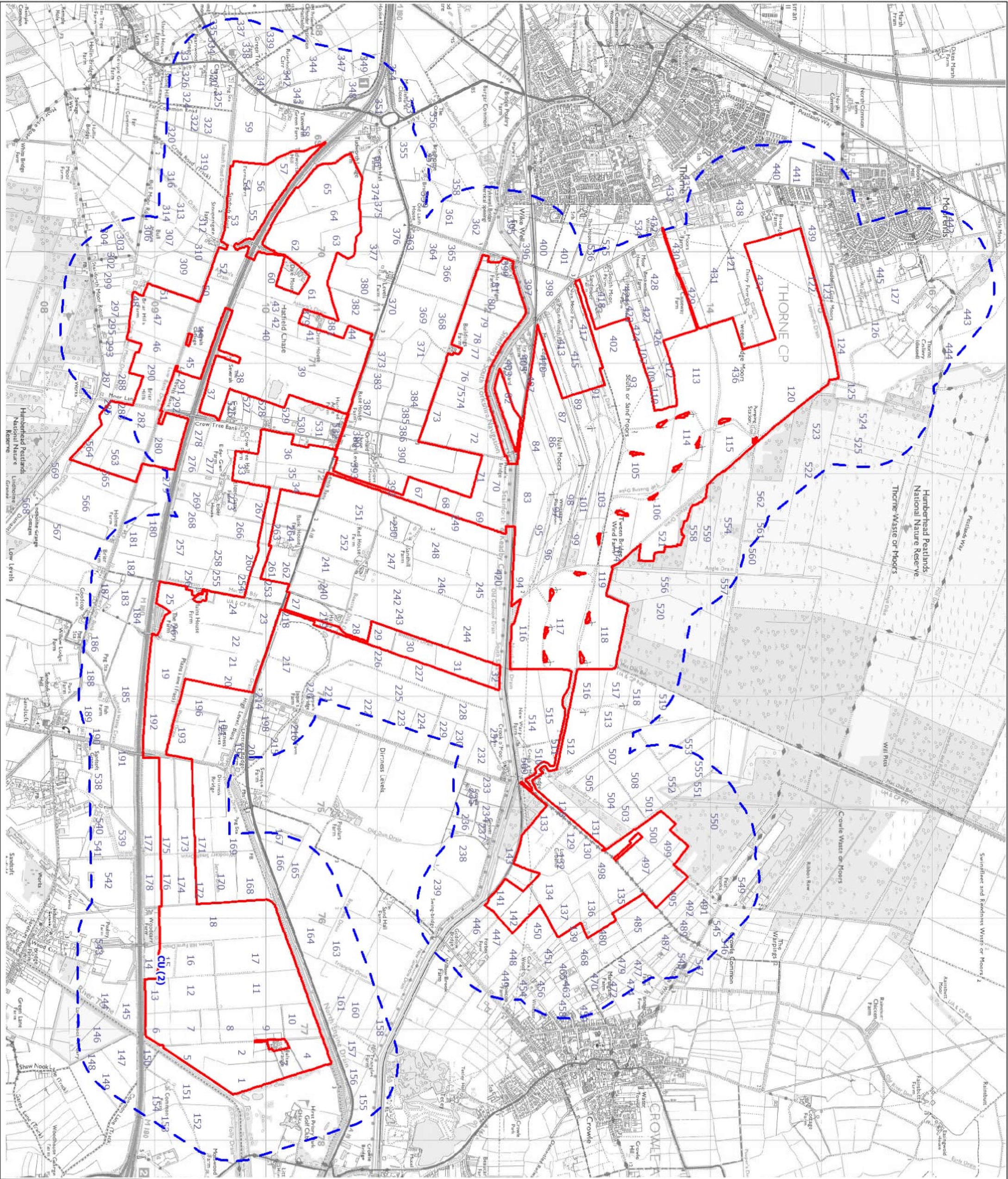
Avian Ecology, Suite 3, Walnut Tree Farm, Norththick Road, Lower Garmsay  
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DN16 9JG  
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VANTAGE POINT LOCATION PLAN

## TWEEN BRIDGE







**Legend**

Site

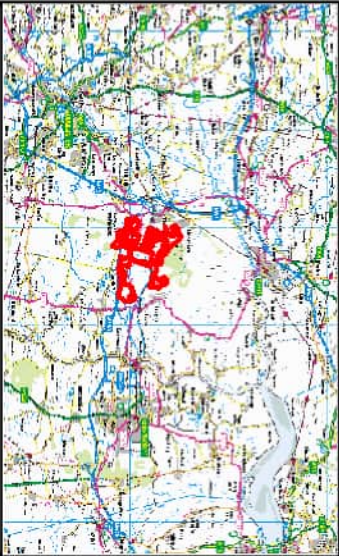
Survey Area

**Target Species**

Curlew (CU)

00	18/09/2024		ZH	HD
Rev	Date	Description	De	App

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## TWEEN BRIDGES NSIP

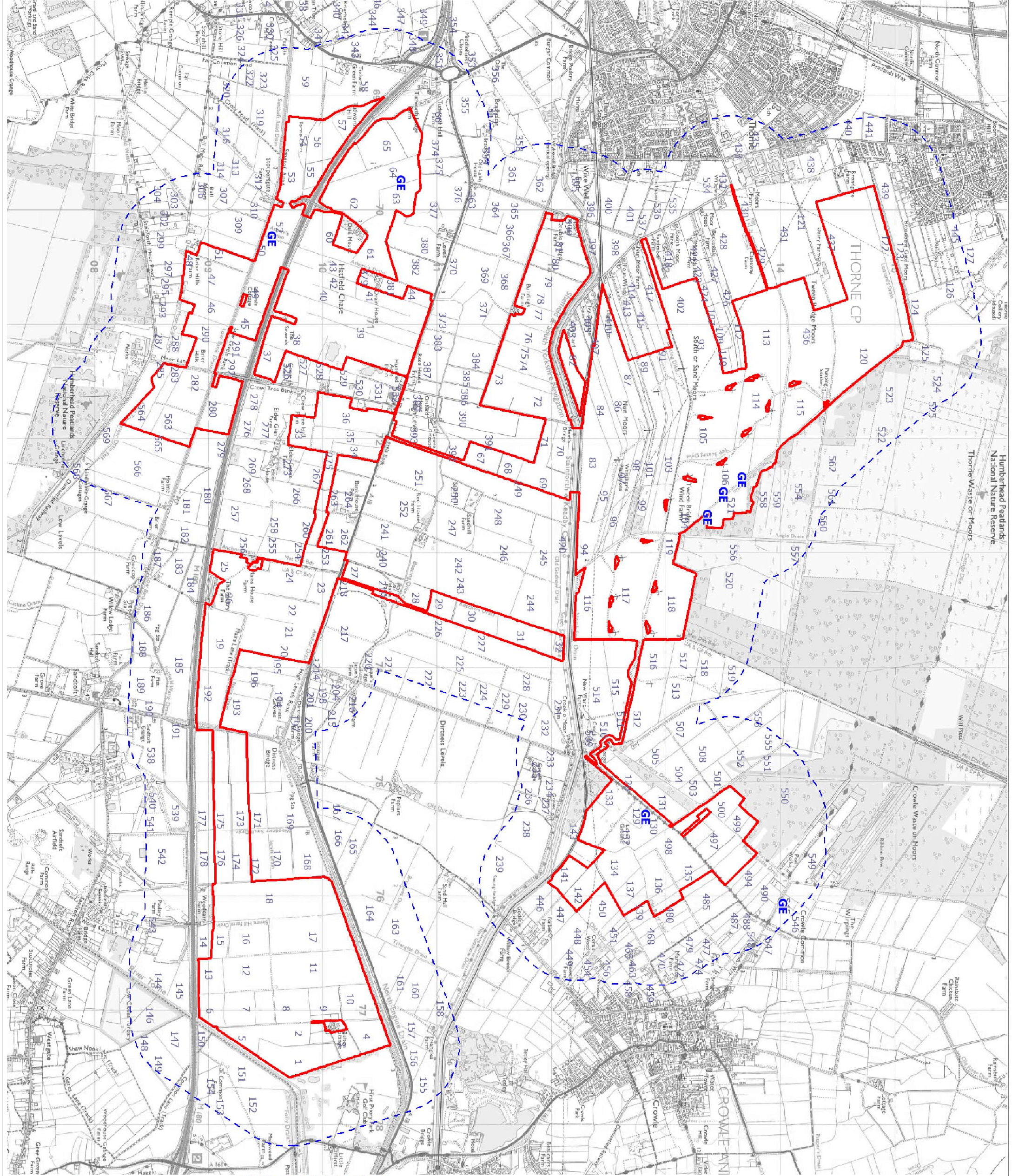
### WINTERING BIRD SURVEY RESULTS - YEAR 1 (CURLEW)











**Legend**  
Site

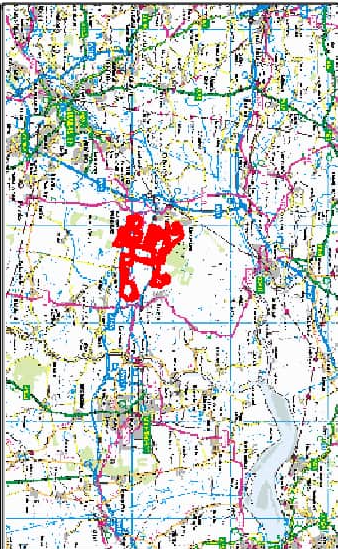
600m Site Buffer

**Target Species**  
Green Sandpiper (GE)

00	09/09/2024		ZH	HD
Rev	Date	Description	De	App

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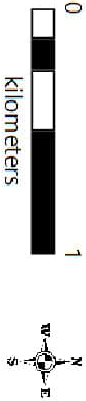


## TWEEN BRIDGES NSIP

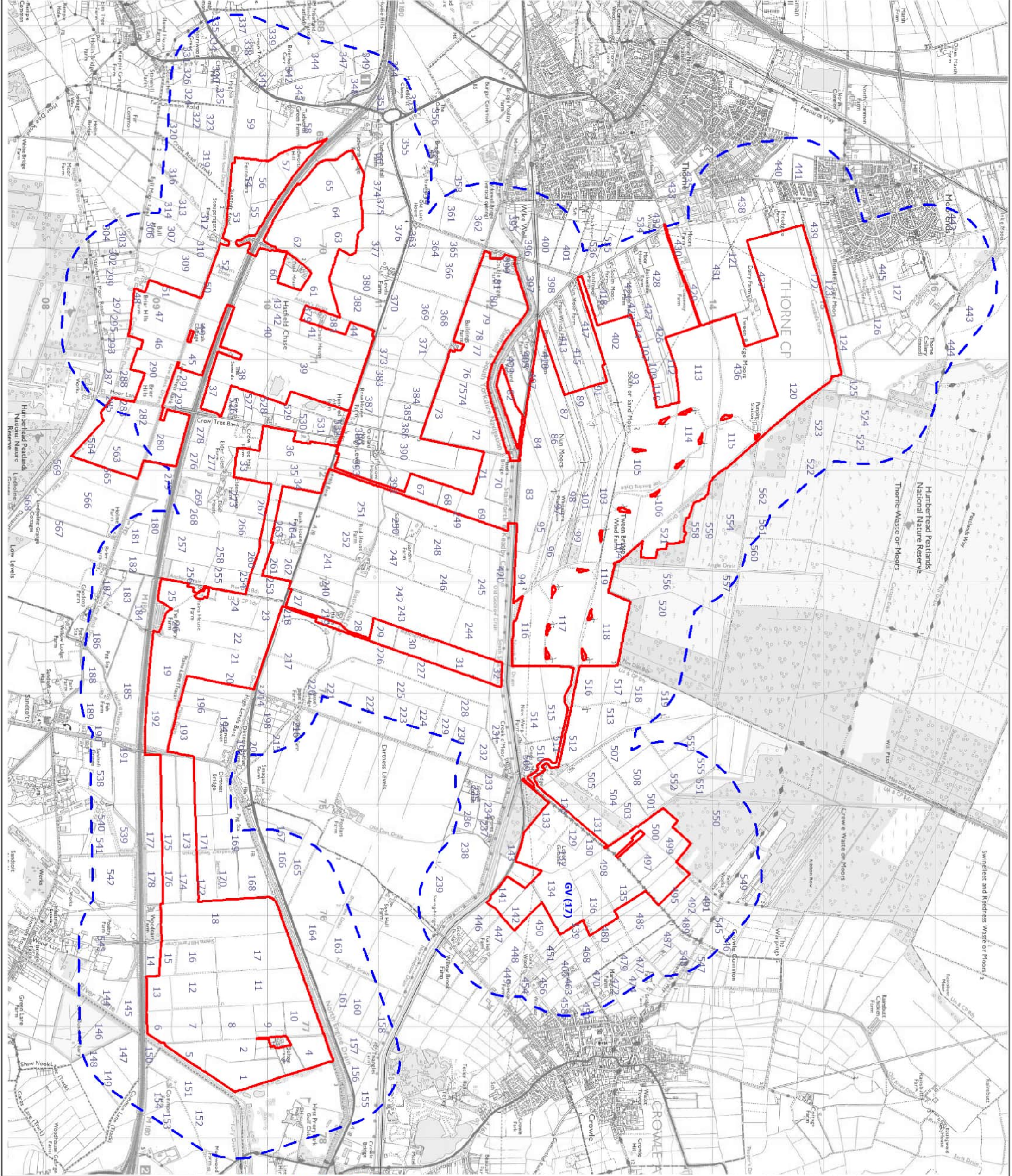
WINTERING BIRD SURVEY RESULTS -  
2022 TO 2023 (GREEN SANDPIPER)



Avian Ecology, Church Lane, The Farm, Northwich, Cheshire, WA8 4PS  
Tel: 01928 898 515  
www.avianecology.co.uk







**Legend**

Site

Survey Area

**Target Species**

Grey plover (GV)

00	18/09/2024		ZH	HD
Rev	Date	Description	De	App

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Go-ordinate System - British National Grid  
Datum: OSAD 1958  
Units: Metres  
1: scale number 010031673



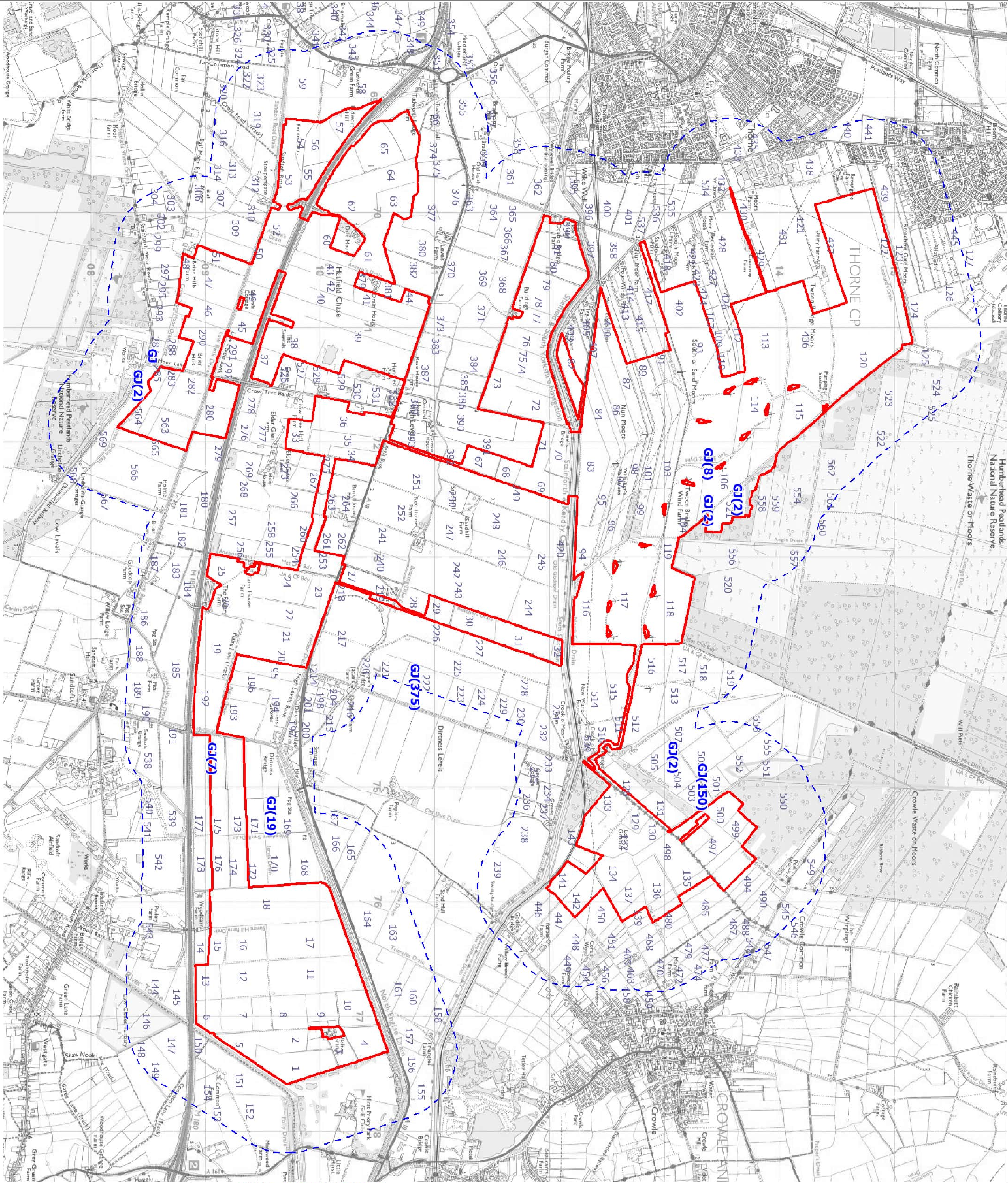
**TWEEN BRIDGES NSIP**

WINTERING BIRD SURVEY RESULTS - YEAR 1  
(GREY PLOVER)

0 1  
kilometres

N  
W  
E  
S





Legend

Site

600m Site Buffer

Target Species

Greylag goose (G)

00

09/09/2024

Date

ZH

HD

Rev

Description

De

App

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1:50,000 scale (OS 1:50,000).

Coordinate System: British National Grid

Projection: UTM

Units: Meters

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W

North Arrow

avianecology

WINTERING BIRD SURVEY RESULTS - 2022 TO 2023 (GREYLAG GOOSE)

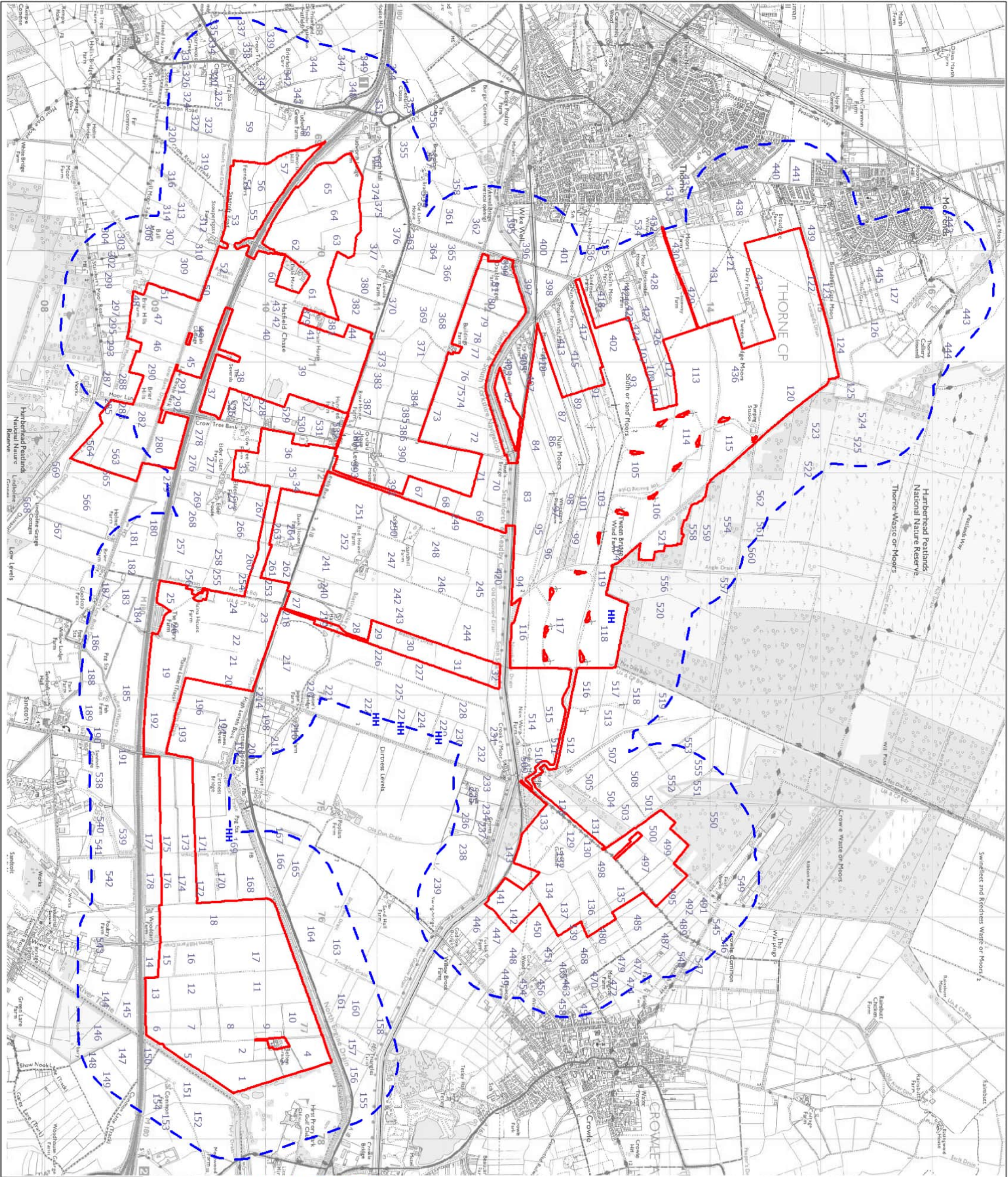
Avian Ecology, Unit 3, The Farm, Norwich Road, Lower Gressingham, Norfolk, NR23 8JF

01693 898 515

01693 898 516

01693 898 517





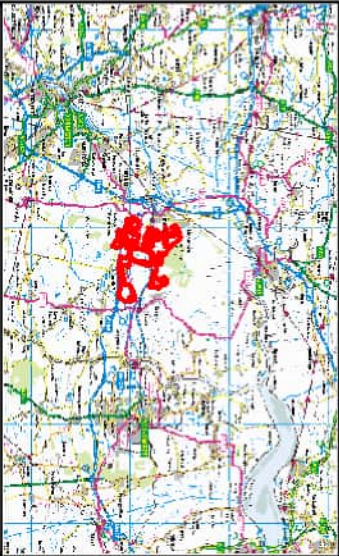
**Legend**

- Site
- Survey Area

**Target Species**  
Hen harrier (HH)

00	18/09/2024		ZH	HD
Rev	Date	Description	De	App

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Geo-ordinate System - British National Grid  
Datum: OSGB 1936  
Units: Metres  
1: scale number 010031673



## TWEEN BRIDGES NSIP

WINTERING BIRD SURVEY RESULTS - YEAR 1  
(HEN HARRIER)



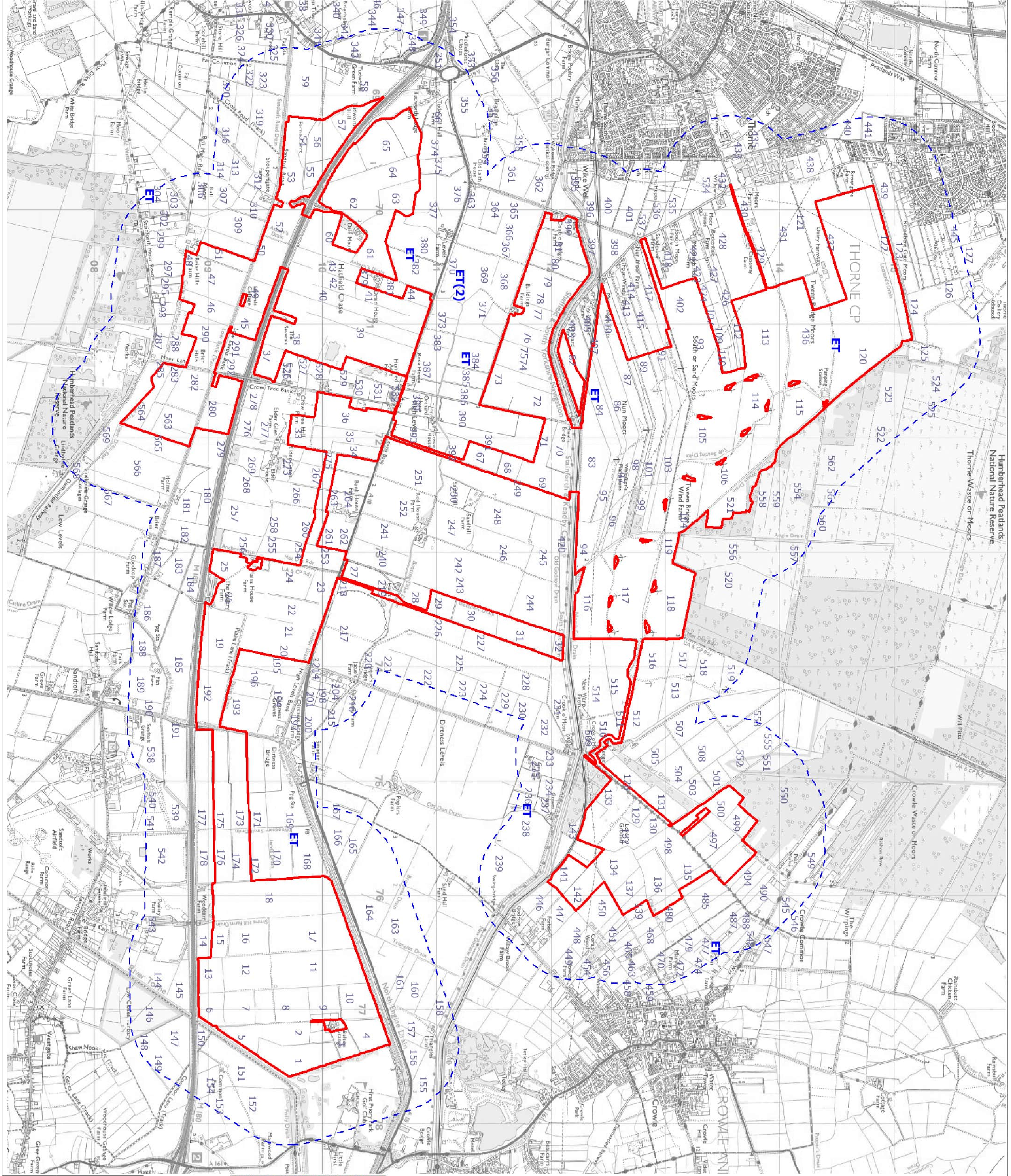
Avian Ecology, Suite 3, Walnut Tree Farm, Norththorpe Road, Lower Garsone  
G64 4ES  
Tel: 01509 506 5115  
www.avianecology.co.uk











Legend

Site

600m Site Buffer

Target Species

Little egret (ET)

00	09/09/2024		ZH	HD
Rev	Date	Description	De	App

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1: Scale number 01 0031 873.

Coordinate System: British National Grid

Projection: UTM

Units: Meters

TWEEN BRIDGES NSIP

WINTERING BIRD SURVEY RESULTS - 2022 to 2023 (LITTLE EGRET)

avianecology

Avian Ecology, Church Lane, The Farm, Norwich Road, Lower Gressingham, Norfolk NR23 8JF  
Tel: 01693 893 515  
www.avianecology.co.uk

0 1 Kilometers

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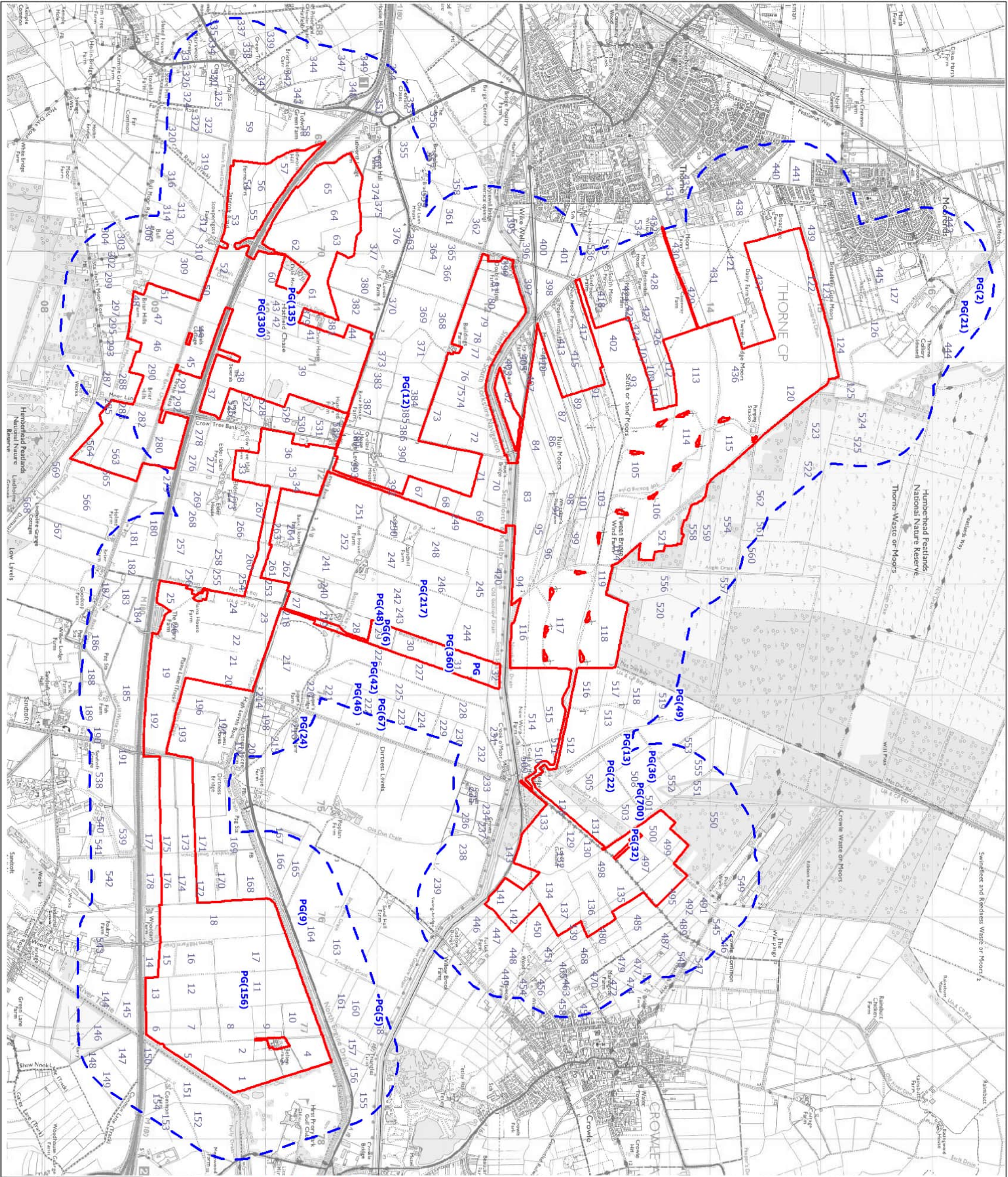
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S









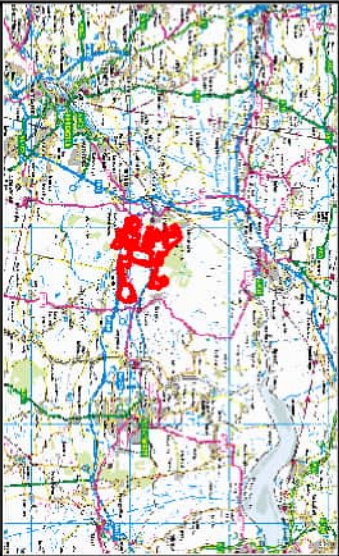
**Legend**

- Site
- Survey Area

**Target Species**  
Pink-footed goose (PG)

00	18/09/2024		ZH	HD
Rev	Date	Description	De	App

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Go-ordinate System - British National Grid  
Datum: OSGB 1936  
Units: Metres  
1: scale number 010031673



## TWEEN BRIDGES NSIP

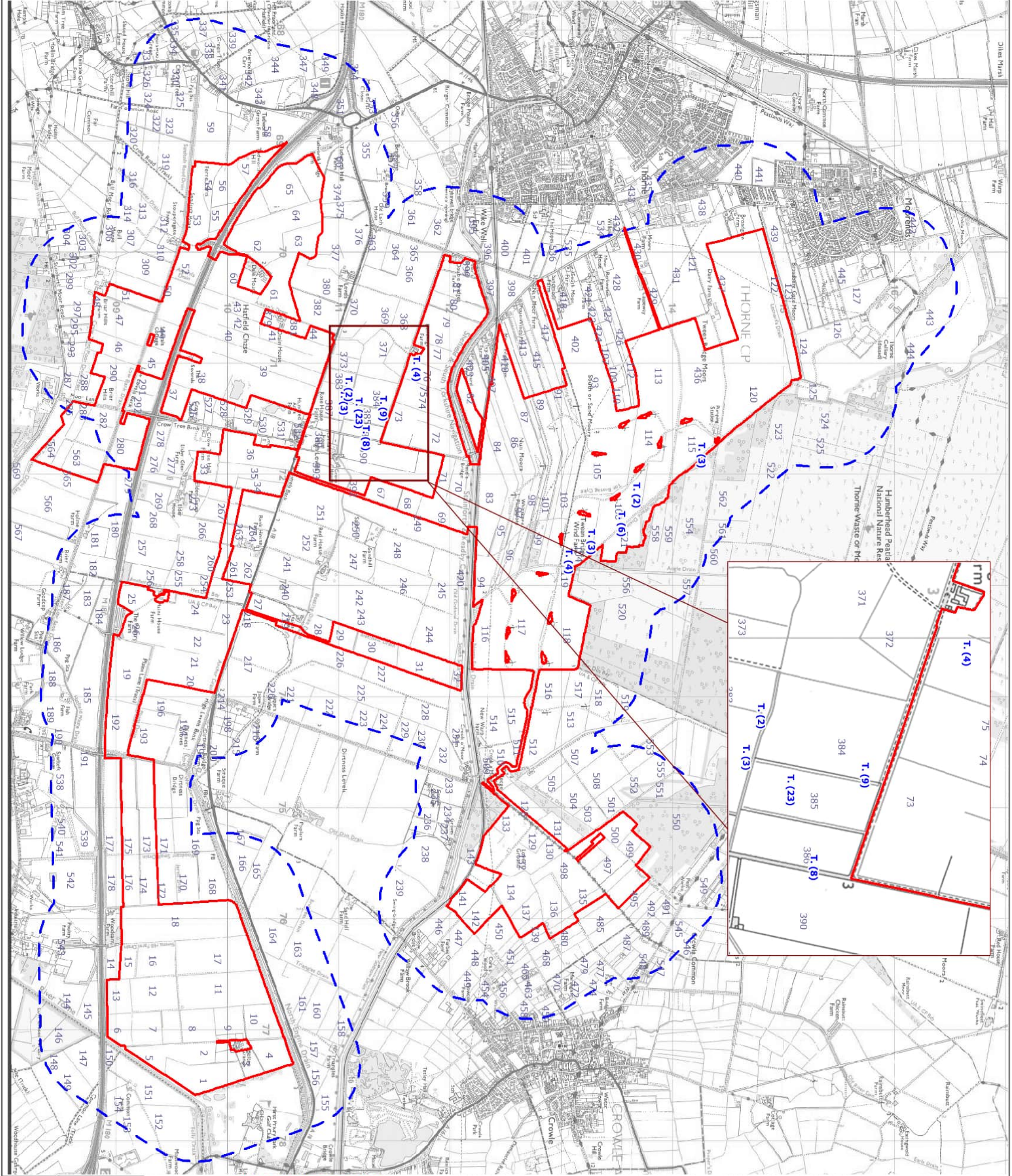
WINTERING BIRD SURVEY RESULTS - YEAR 1  
(PINK-FOOTED GOOSE)



Avian Ecology, Suite 3, Walnut Tree Farm, Norththorpe Road, Lower Doncaster  
Doncaster, South Yorkshire  
DN4 4ES  
Tel: 01509 556 515  
Email: info@avianecology.co.uk







**Legend**

Site

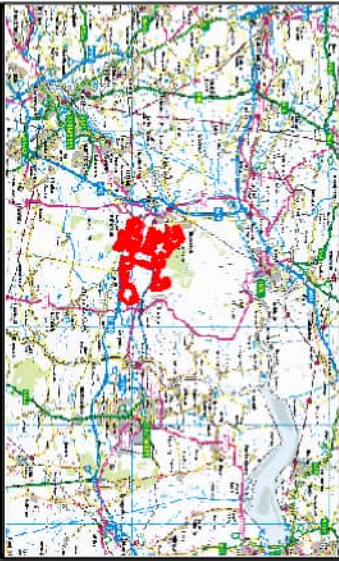
Survey Area

**Target Species**

Teal (T.)

00	18/09/2024		ZH	HD
Rev	Date	Description	De	App

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Units: Metres



## TWEEN BRIDGES NSIP

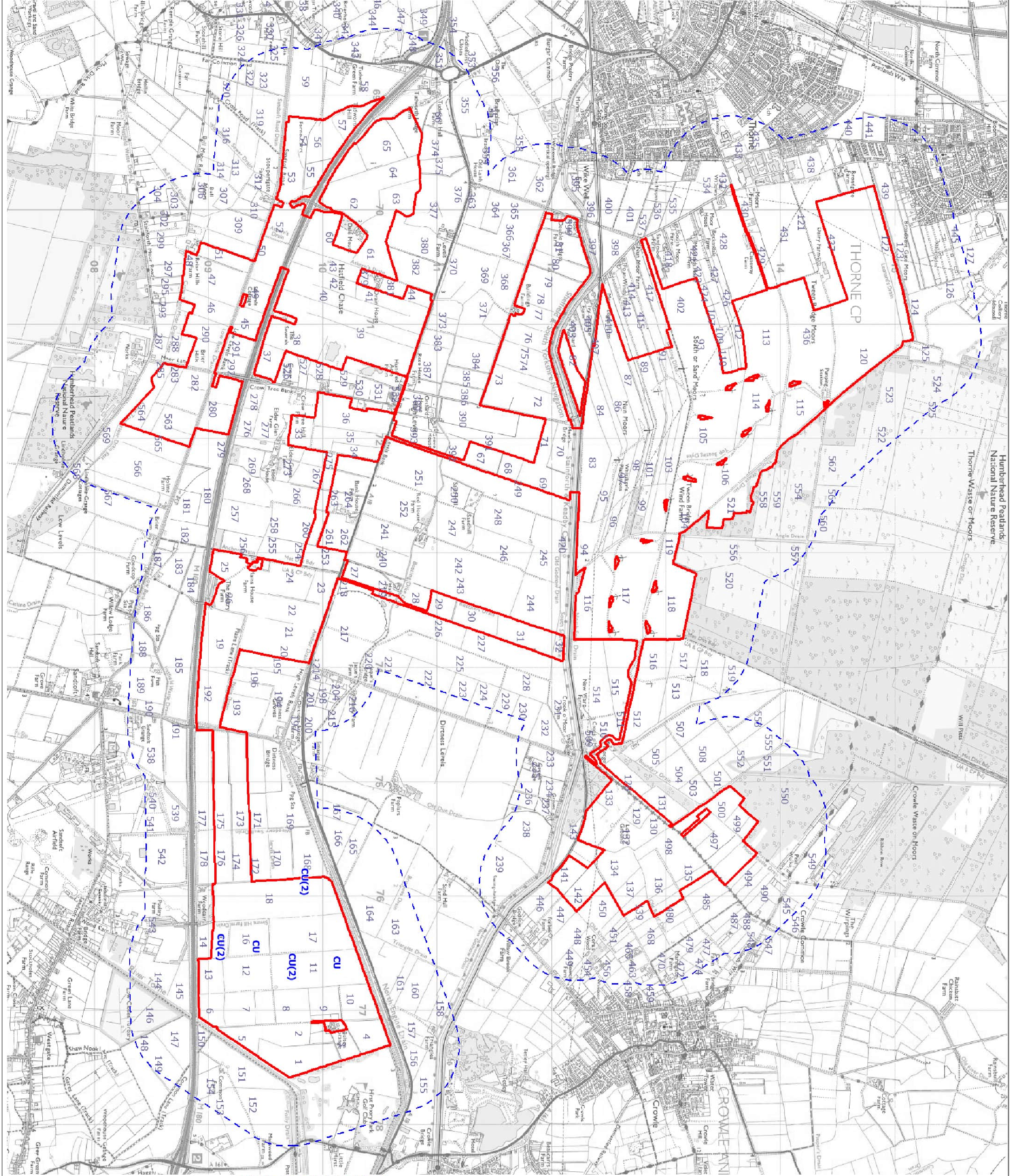
WINTERING BIRD SURVEY RESULTS - YEAR 1  
(TEAL)



Avian Ecology, Suite 3, Walnut Tree Farm, Northwicks Road, Lower Garsham  
Walsby, Lincolnshire  
LN4 4ES  
Tel: 01509 551115  
www.avianecology.co.uk







Legend

Site

600m Site Buffer

Target Species

Curlew (CU)

00

09/09/2024

Rev

Date

Description

ZH

De

HD

App

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1: Scale 1:50,000

Coordinate System: British National Grid

Projection: Transverse Mercator

Units: Meters

TWEEN BRIDGES NSIP

WINTERING BIRD SURVEY RESULTS - 2023 TO 2024 (CURLEW)

avianecology

Avian Ecology, Church Lane, The Farm, Northwich, Cheshire, WA8 4PS

01928 898 515

www.avianecology.co.uk

0 1 Kilometers

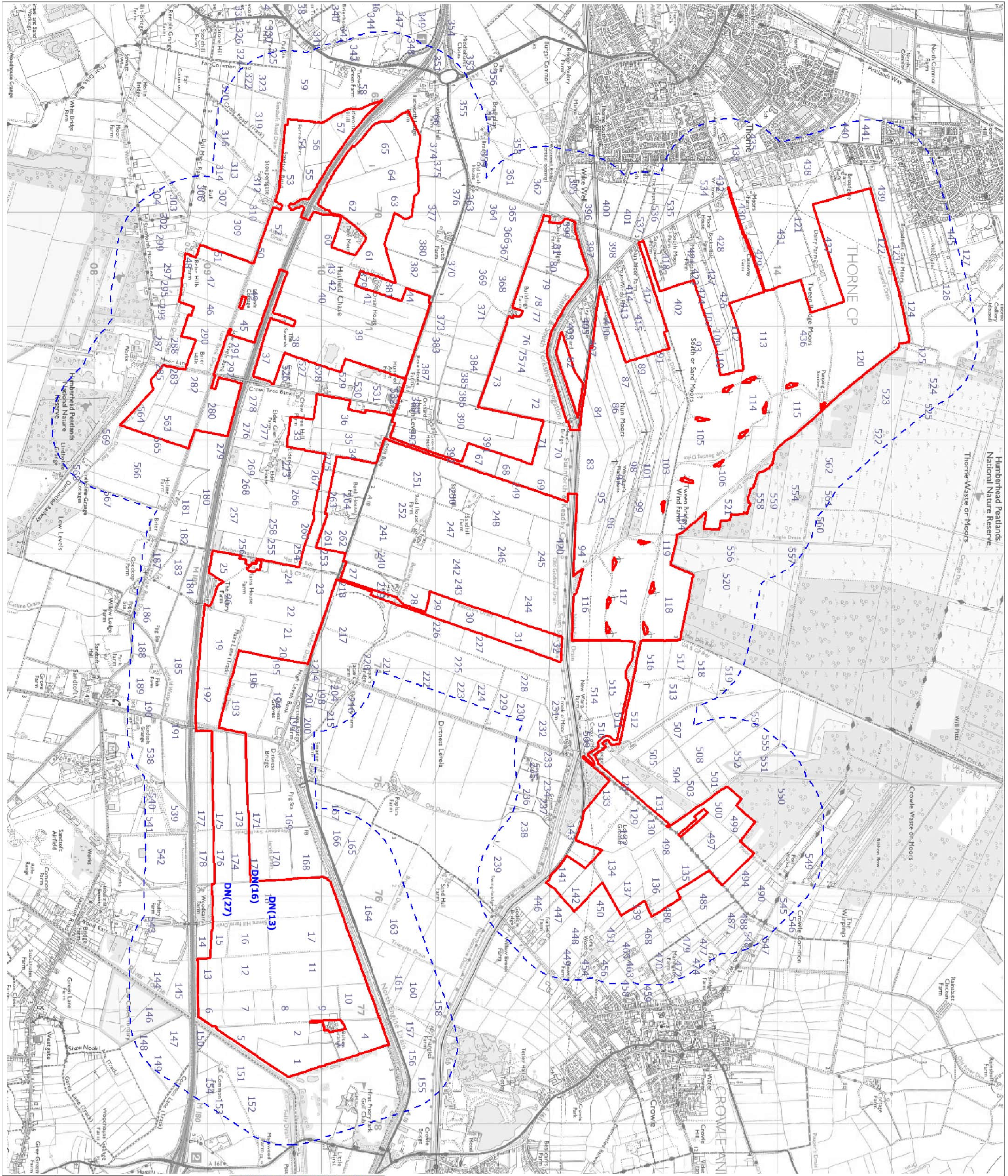
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**Legend**

Site

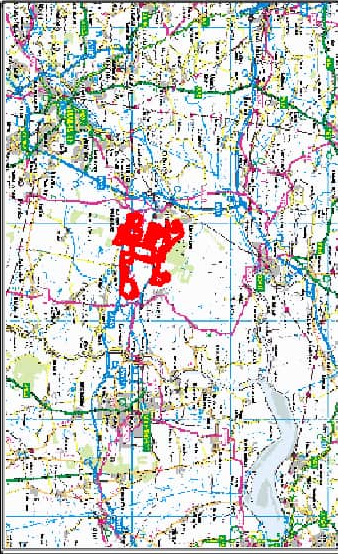
600m Site Buffer

**Target Species**

Dunlin (DN)

00	09/09/2024		ZH	HD
Rev	Date	Description	De	App

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**TWEEN BRIDGES NSIP**

WINTERING BIRD SURVEY RESULTS -  
2023 TO 2024 (DUNLIN)

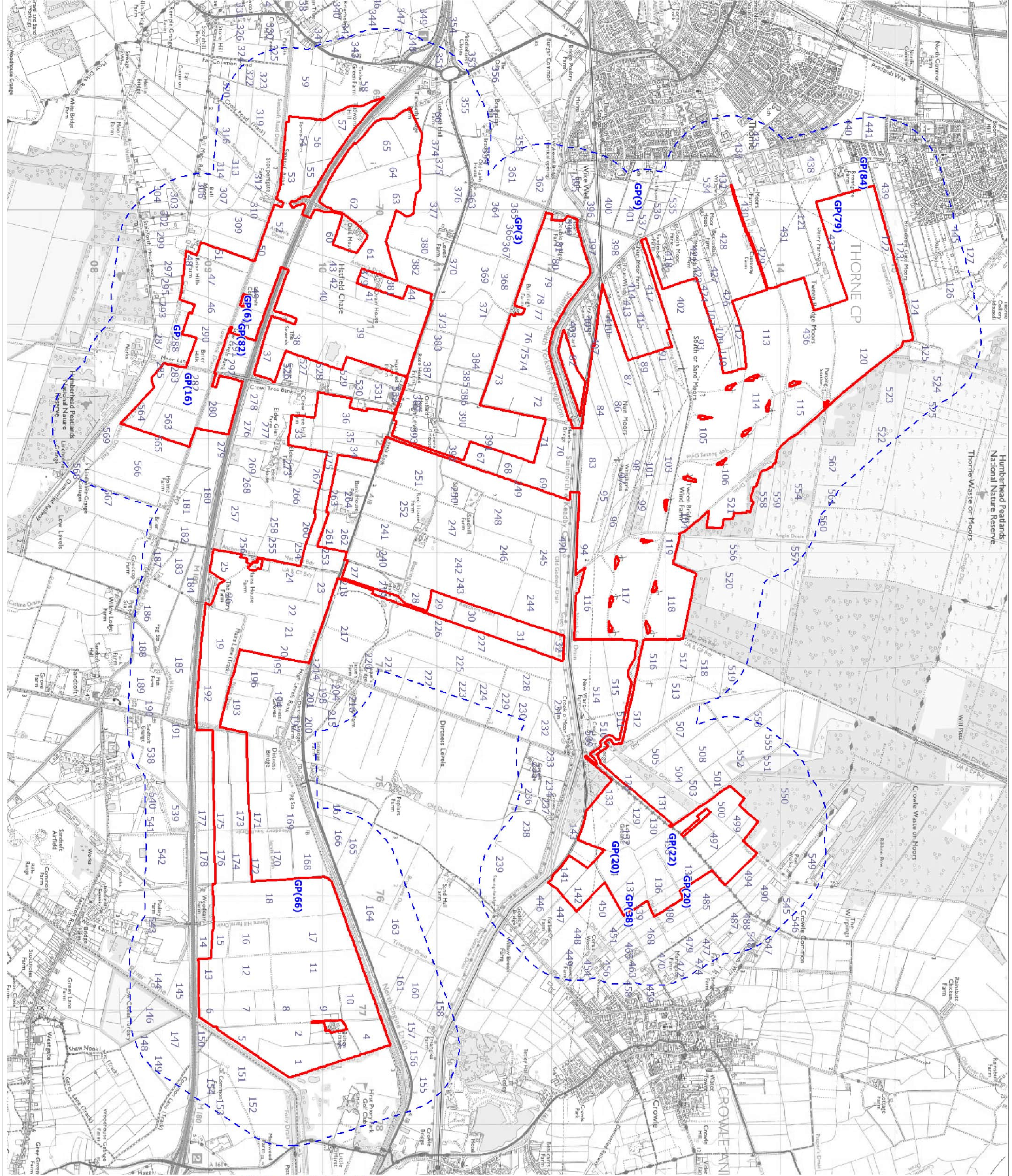
**avianecology**

Avian Ecology, 5, 6th Floor, 100, North Bridge Road, Lower Glasgow  
G4 7NS  
Tel: 0141 893 5115  
www.avianecology.co.uk

0 1 Kilometers

N  
W E S





**Legend**

Site

600m Site Buffer

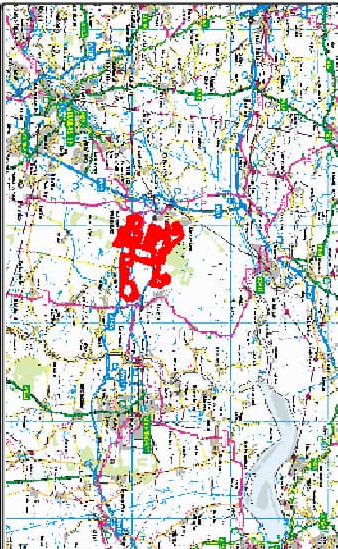
**Target Species**

Golden plover (GP)

00	09/09/2024		ZH	HD
Rev	Date	Description	De	App

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Ordnance Survey (2021)  
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Coordinate System: British National Grid  
Projected: OSGB 1936  
Units: Meters

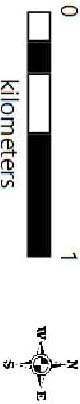


## TWEEN BRIDGES NSIP

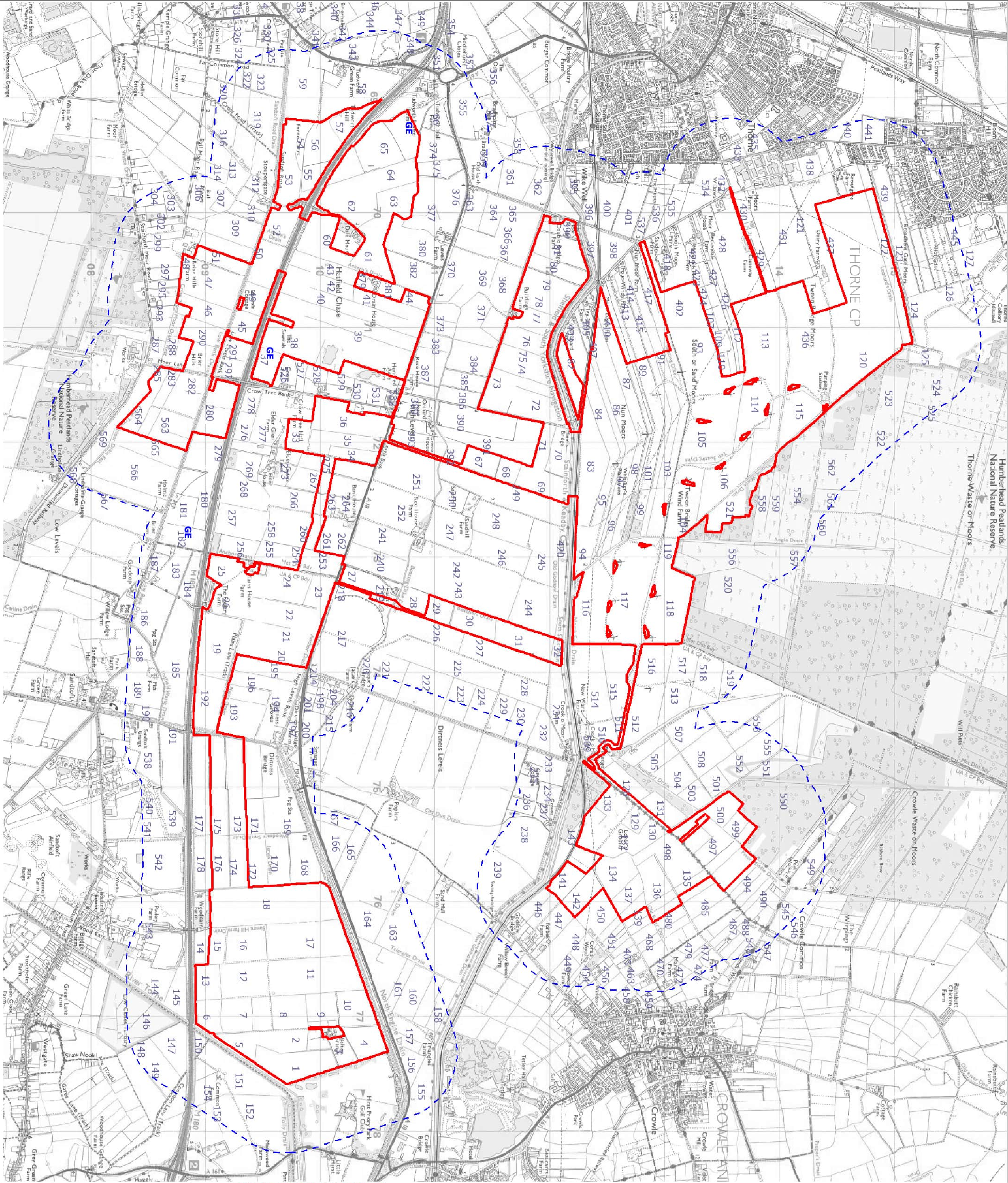
### WINTERING BIRD SURVEY RESULTS - 2023 TO 2024 (GOLDEN PLOVER)



Avian Ecology, Church St, Winton, The Farm, Norwich Road, Lower Gressingham  
Norfolk NR25 8JF  
Tel: 01693 898 515  
www.avianecology.co.uk







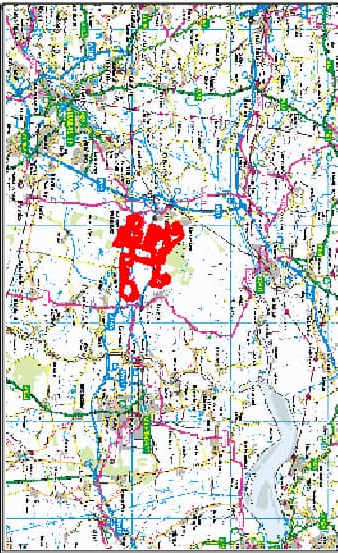
**Legend**  
Site

600m Site Buffer

**Target Species**  
Green sandpiper (GE)

00	09/09/2024		ZH	HD
Rev	Date	Description	De	App

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1 Licence number 01 0031 873.

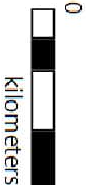


## TWEEN BRIDGES NSIP

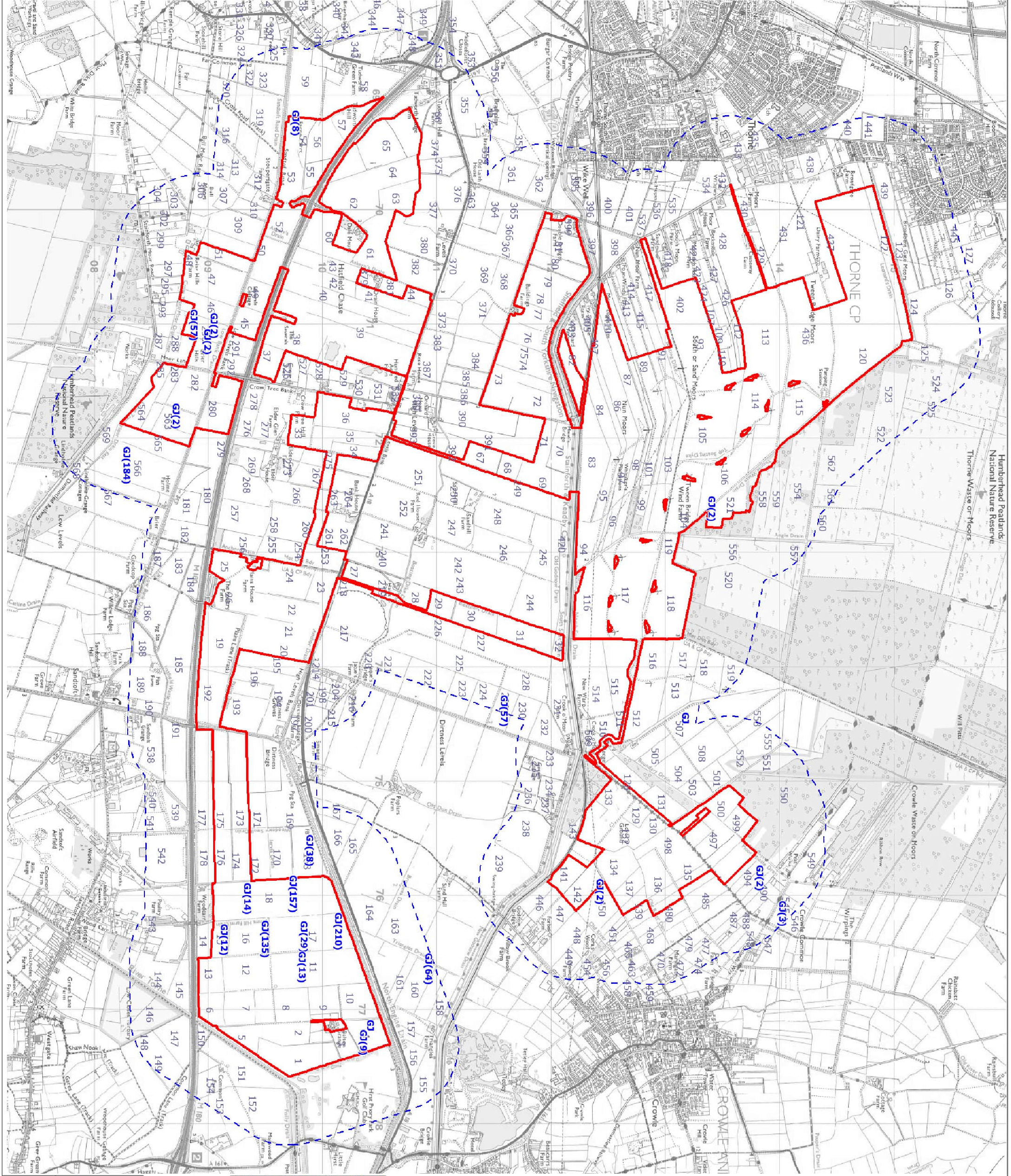
WINTERING BIRD SURVEY RESULTS -  
2023 TO 2024 (GREEN SANDPIPER)



Avian Ecology, Church St, Winton, The Pines, Norwich Road, Lower Gresham  
NR4 4PS  
Tel: 01693 893 515  
www.avianecology.co.uk







**Legend**

Site

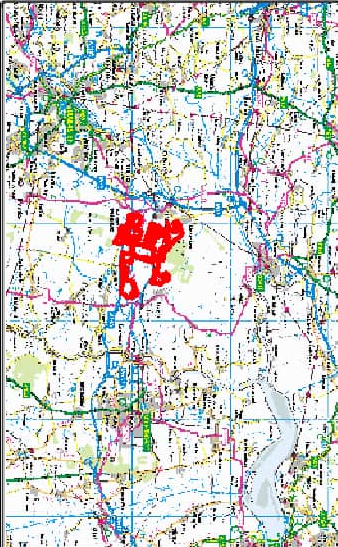
600m Site Buffer

**Target Species**

Greylag goose (G)

00	09/09/2024		ZH	HD
Rev	Date	Description	De	App

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1: Scale number 01 0031 873.

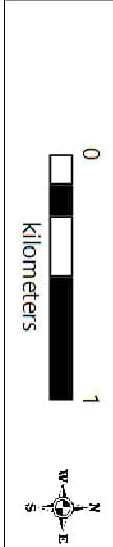


# TWEEN BRIDGES NSIP

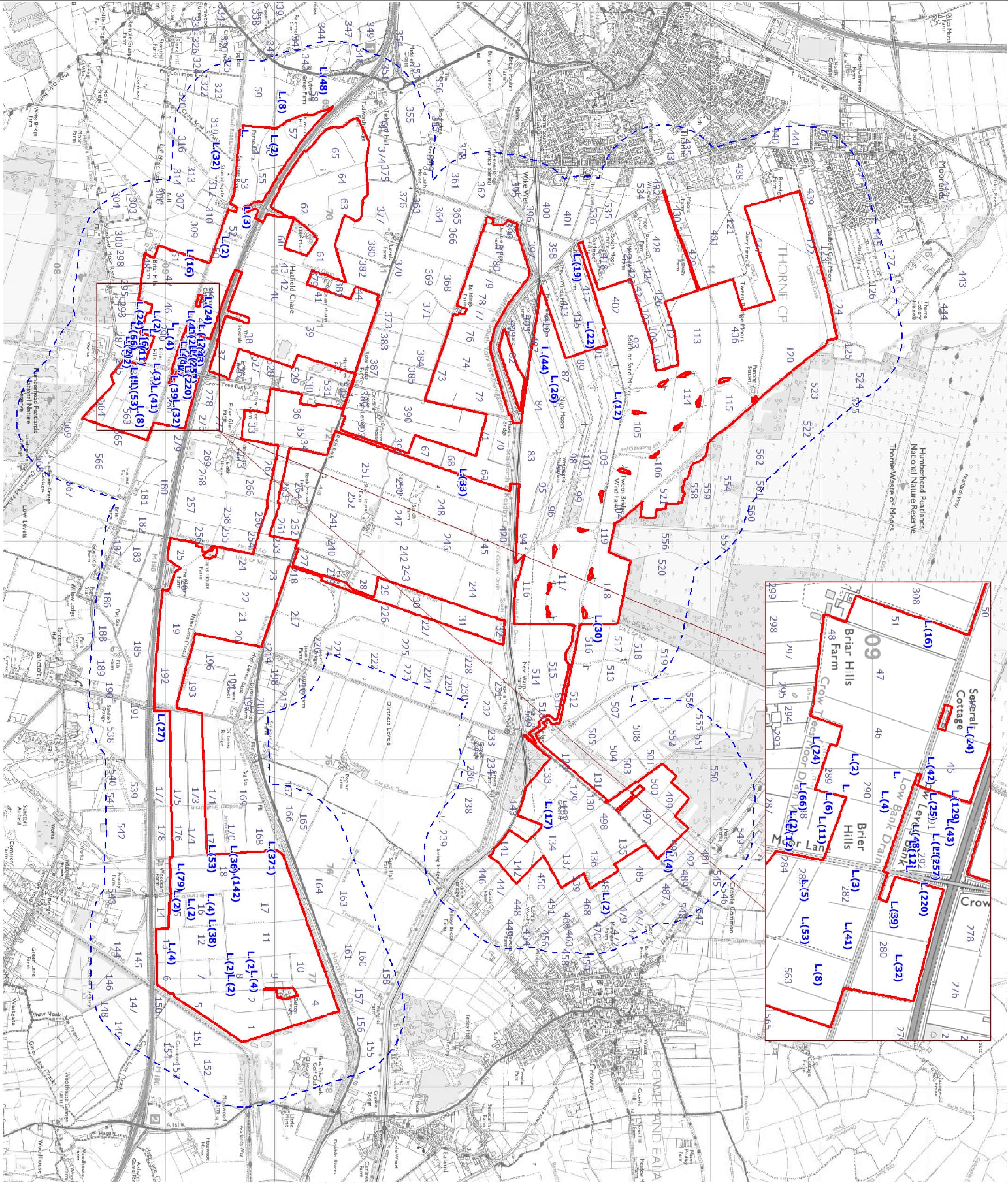
## WINTERING BIRD SURVEY RESULTS - 2023 TO 2024 (GREYLAG GOOSE)



Avian Ecology, Church Lane, The Farm, Norwich Road, Lower Gresham  
Norfolk NR21 3JF  
Tel: 01693 893 515  
www.avianecology.co.uk







**Legend**

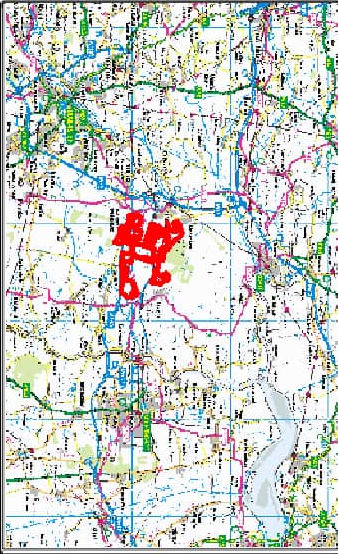
- Site
- 600m Site Buffer

**Target Species**

Lapwing (L.)

Rev	Date	Description	ZH	HD
00	09/09/2024			

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## TWEEN BRIDGES NSIP

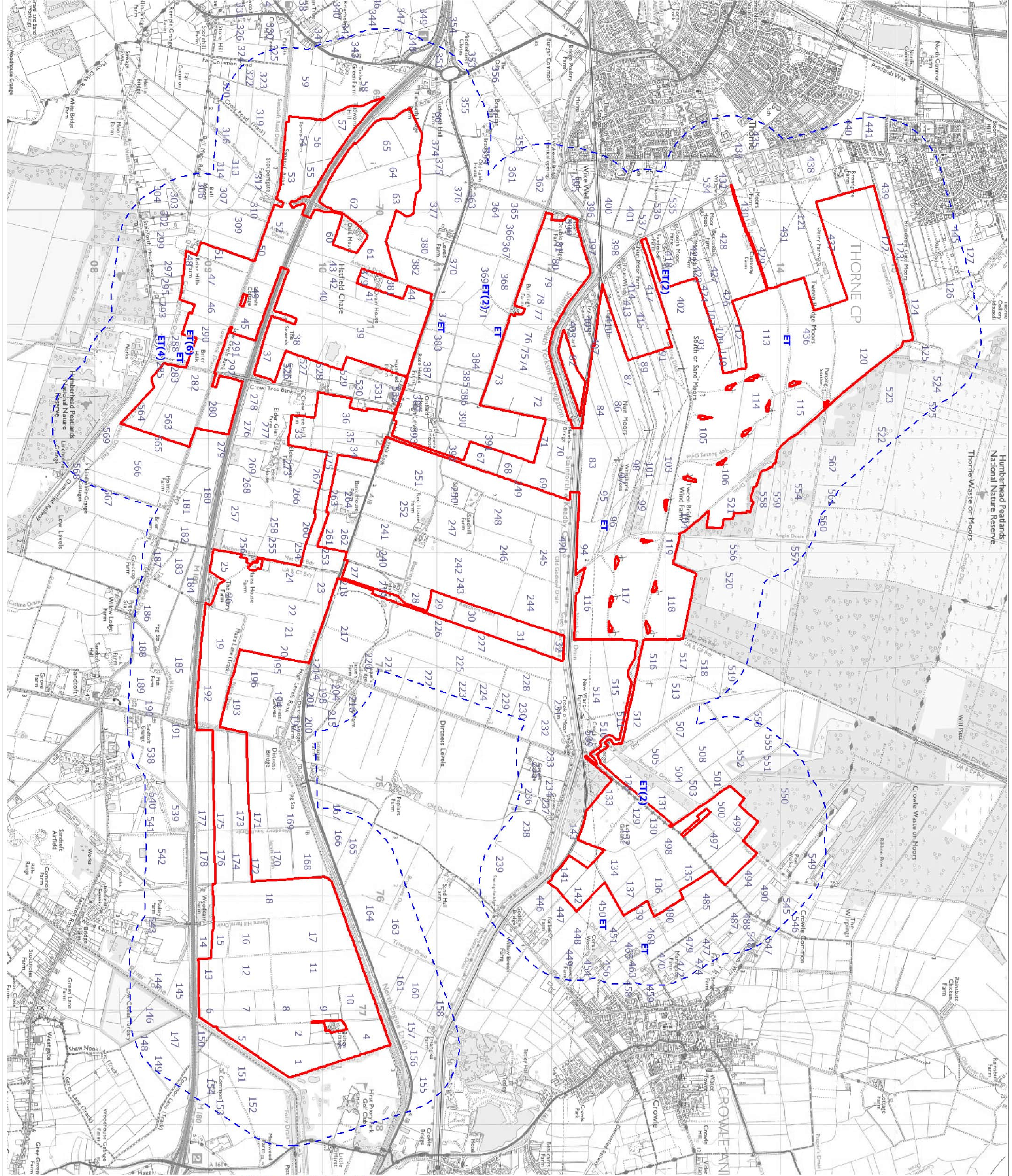
### WINTERING BIRD SURVEY RESULTS - 2023 TO 2024 (LAPWING)



Avian Ecology, Church St, Wetherby, West Yorkshire LS23 7BQ  
Tel: 01937 546 516  
www.avianecology.co.uk







Legend

Site

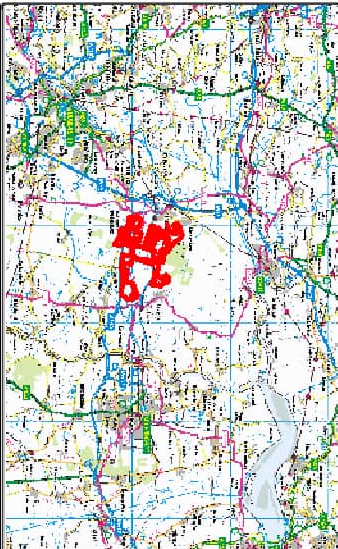
600m Site Buffer

Target Species

Little egret (ET)

00	09/09/2024		ZH	HD
Rev	Date	Description	De	App

The map is static and does not change. It is a map of the area around the site. It is a map of the area around the site. It is a map of the area around the site.



TWEEN BRIDGES NSIP

WINTERING BIRD SURVEY RESULTS - 2023 TO 2024 (LITTLE EGRET)

avianecology

Avian Ecology, 1000 The Farm, Norwich Road, Lower Gresham, Norfolk NR27 8JL. Tel: 01693 893 515. Email: info@avianecology.co.uk

0 1 Kilometers

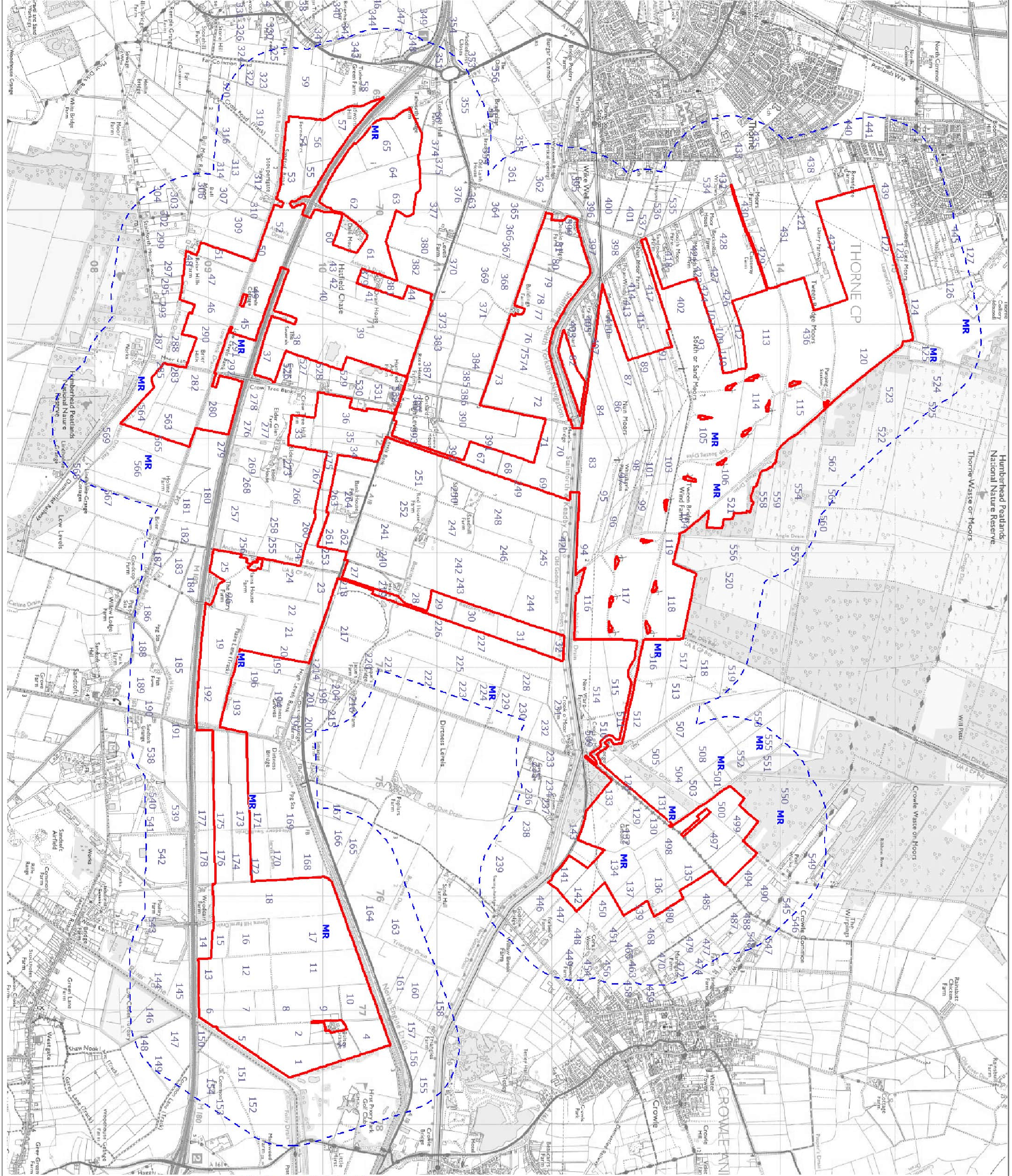
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**Legend**

Site

600m Site Buffer

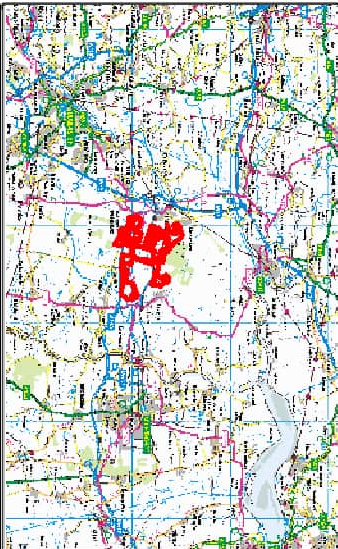
**Target Species**

Marsh harrier (MR)

00	09/09/2024		ZH	HD
Rev	Date	Description	De	App

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Coordinate System: British National Grid  
Projection: OSGB36  
Units: Meters

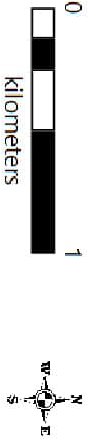


## TWEEN BRIDGES NSIP

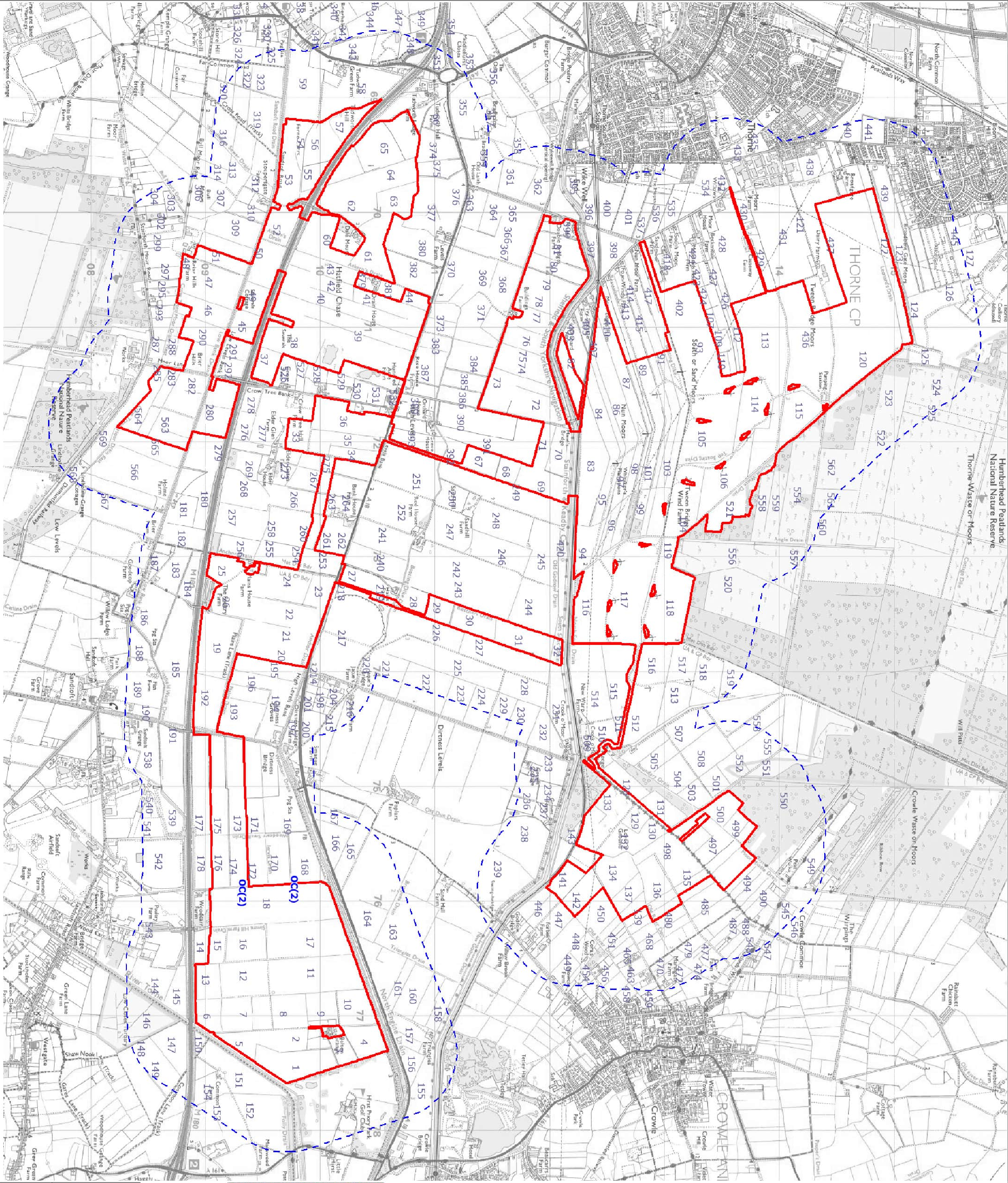
WINTERING BIRD SURVEY RESULTS -  
2023 TO 2024 (MARSH HARRIER)



Avian Ecology, Church Lane, The Farm, North Road, Lower Gosses  
WVA 4PS  
Tel: 0191 893 5115  
www.avianecology.co.uk







**Legend**  
Site

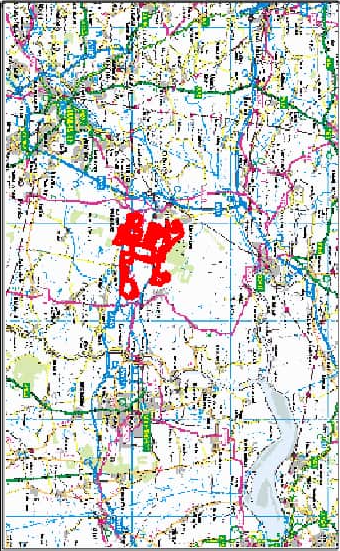
1600m Site Buffer

Target Species  
Oystercatcher (OC)

00	09/09/2024		ZH	HD
Rev	Date	Description	De	App

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Coordinate System: British National Grid  
Datum: AD 1936  
Units: Metres

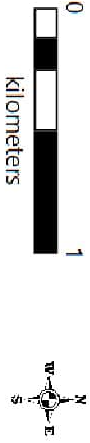


## TWEEN BRIDGES NSIP

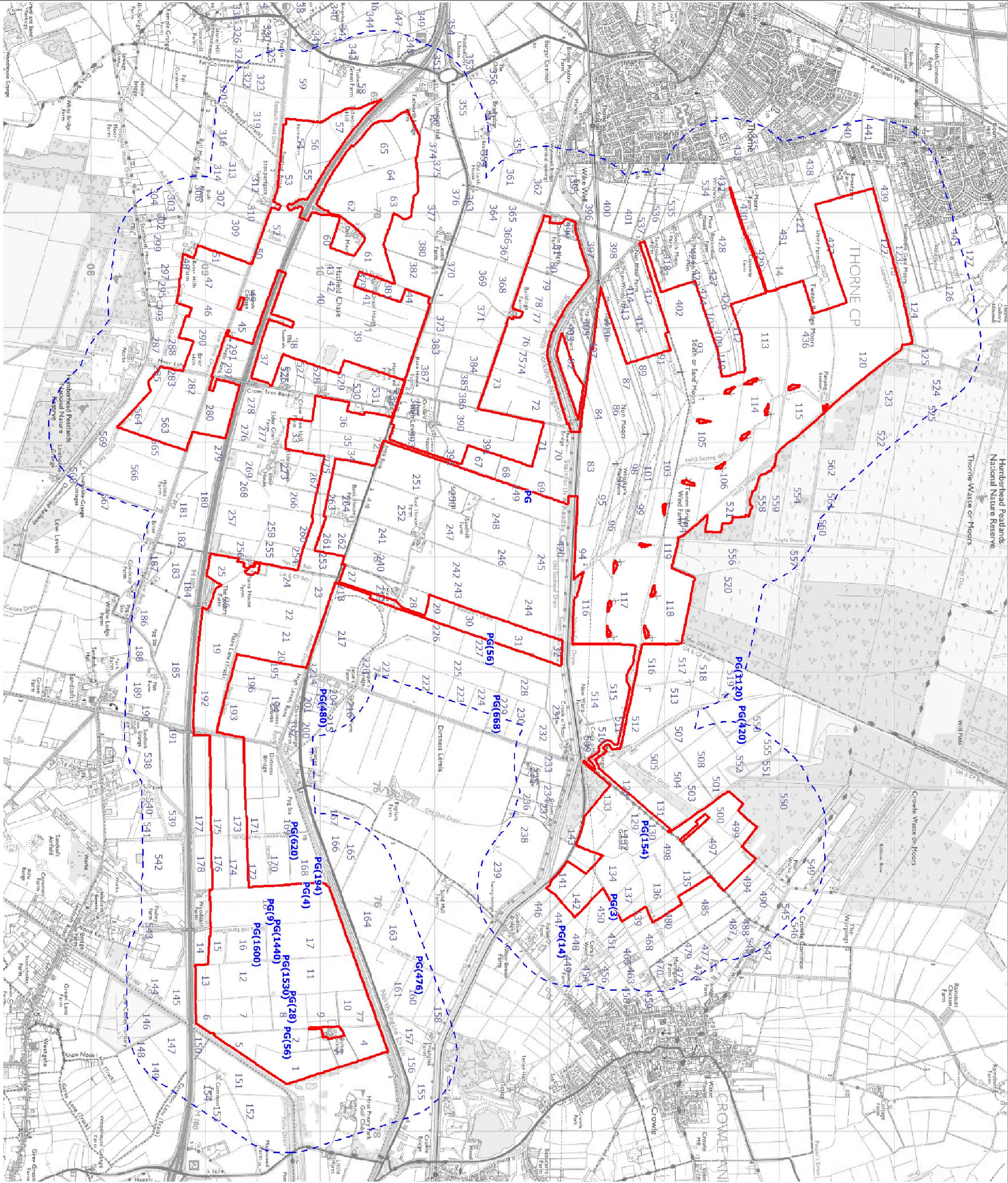
WINTERING BIRD SURVEY RESULTS -  
2023 TO 2024 (OYSTERCATCHER)



Avian Ecology, Church Lane, The Farm, Norwich Road, Lower Gressingham  
Norfolk NR25 8JF  
Tel: 01693 898 515  
www.avianecology.co.uk







**Legend**  
Site

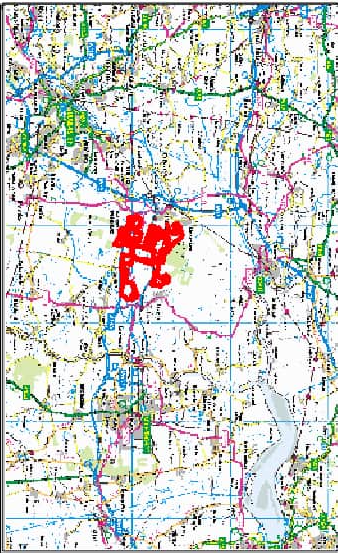
600m Site Buffer

**Target Species**  
Pink-footed goose (PG)

00	09/09/2024		ZH	HD
Rev	Date	Description	De	App

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Ordnance Survey  
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## TWEEN BRIDGES NSIP

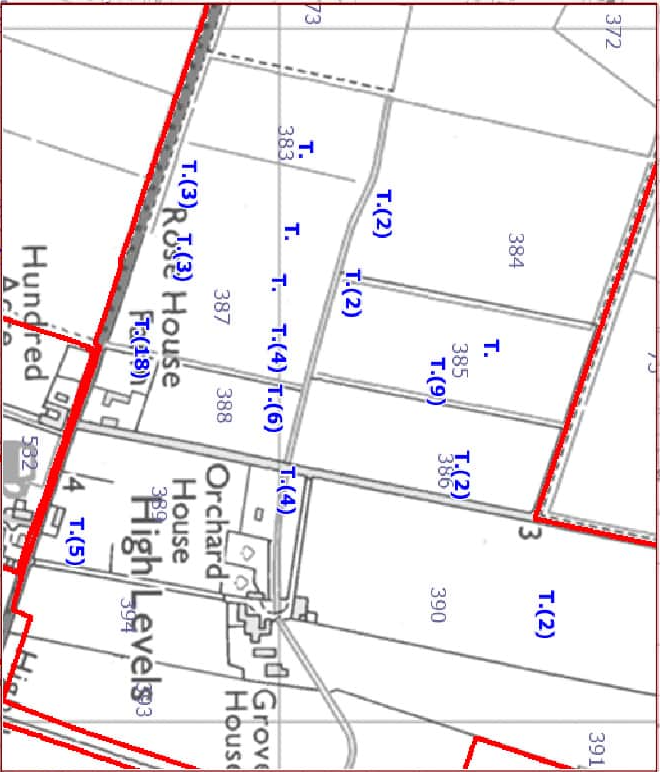
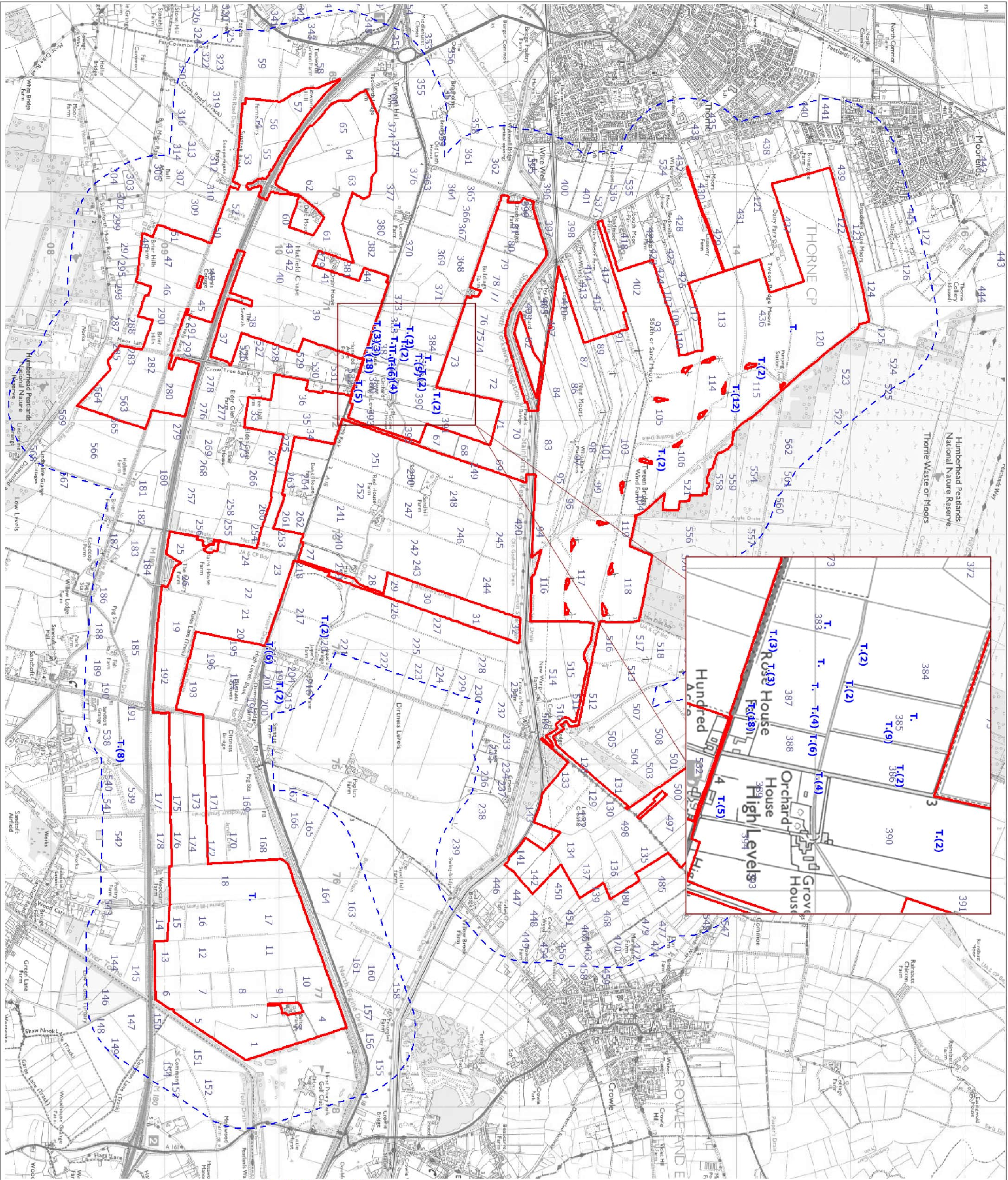
WINTERING BIRD SURVEY RESULTS -  
2023 TO 2024 (PINK-FOOTED GOOSE)



Avian Ecology, Church Lane, Thorne, North Yorkshire YO40 1AB  
Tel: 01924 898 515  
Email: info@avianecology.co.uk







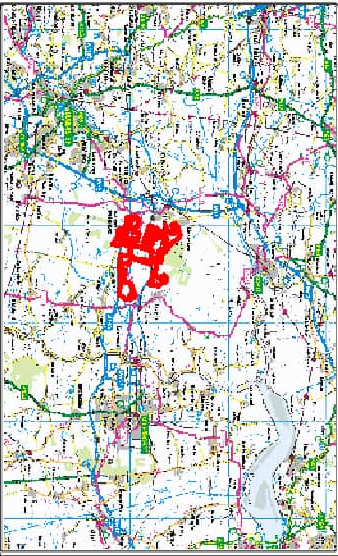
**Legend**

- Site
- 600m Site Buffer

Target Species  
Teal (T.)

00	09/09/2024		ZH	HD
Rev	Date	Description	De	App

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1: Scale number 01 0031 873.  
Coordinate System: British National Grid  
Projection: UTM  
Units: Meters

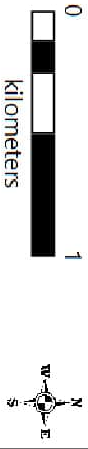


## TWEEN BRIDGES NSIP

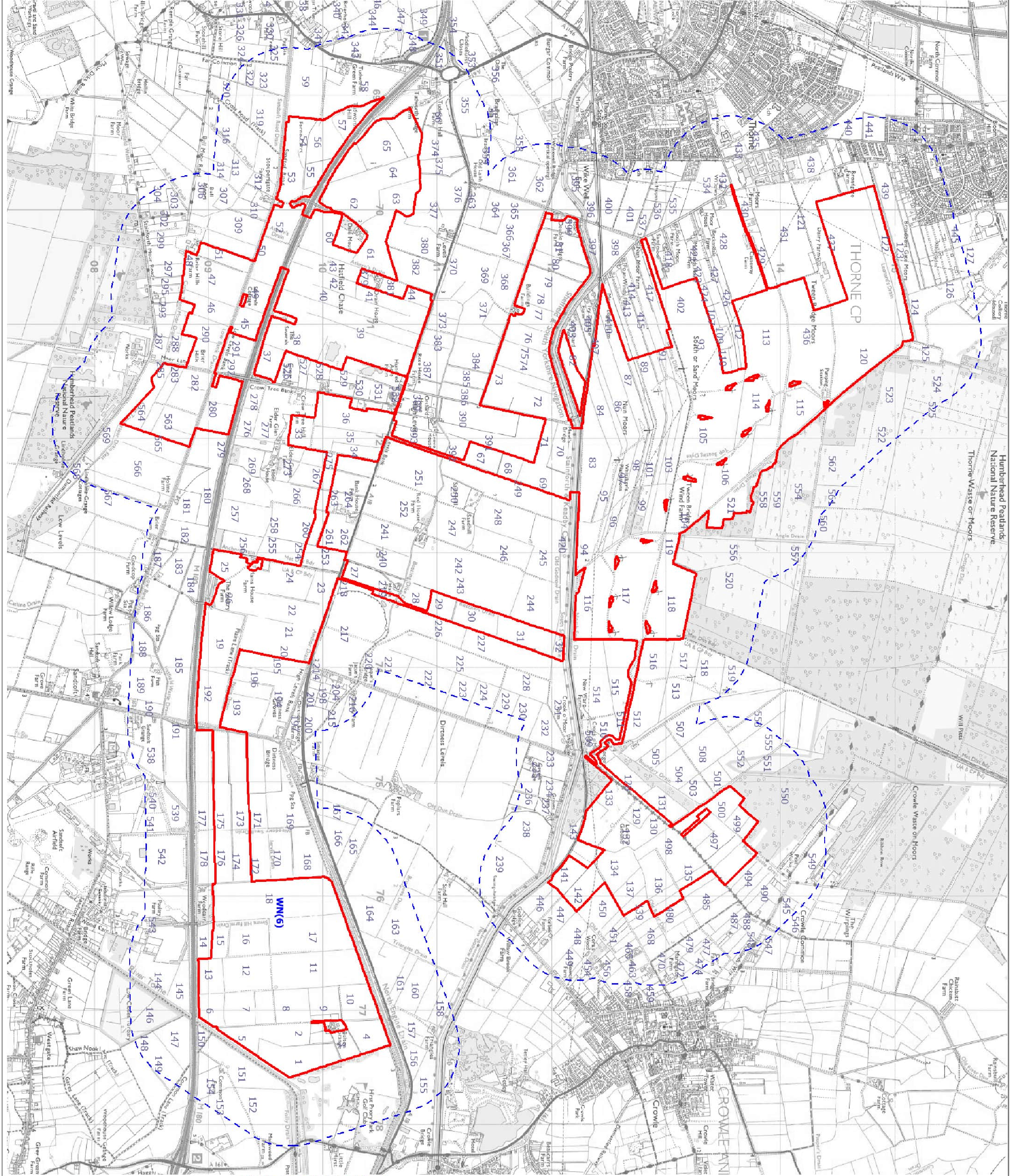
### WINTERING BIRD SURVEY RESULTS - 2023 TO 2024 (TEAL)



Avian Ecology, Unit 31, Victoria Tree Farm, Norwich Road, Lower Gressingham  
Norfolk NR23 8LH  
Tel: 01693 893 515  
www.avianecology.co.uk







Legend

Site

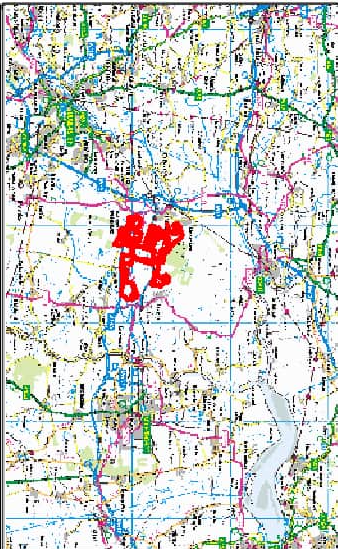
600m Site Buffer

Target Species

Wigeon (MN)

00	09/09/2024		ZH	HD
Rev	Date	Description	De	App

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Ordnance Survey (2021)  
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WINTERING BIRD SURVEY RESULTS -  
2023 TO 2024 (WIGEON)

avianecology

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Tel: 01924 898 515  
www.avianecology.co.uk

0

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kilometers

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