
EAST YORKSHIRE SOLAR FARM

**East Yorkshire Solar Farm
EN010143**

Environmental Statement

**Volume 2, Appendix 8-6: Survey Report for Non-Breeding Birds
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Executive Summary

- ES1 A survey of non-breeding birds was undertaken for the proposed East Yorkshire Solar Farm to determine the presence, assemblage and distribution of non-breeding bird species, within the Site and identify potential impacts of the Scheme on non-breeding birds.
- ES2 The surveys were undertaken between September 2022 and March 2023 and 72 bird species were recorded; therefore, the species diversity is of county importance. Concentrations of species were found within the most suitable habitats to support each individual species' needs (i.e., species reliant on waterbodies were found close to water, species that require woodland habitat, were found within woodland habitat).
- ES3 Of these 72 bird species, 46 species meet at least one of a range of criteria relating to conservation importance.
- ES4 No peak counts of any recorded species form a significant proportion (i.e., 1% or more) of the national non-breeding population estimates.
- ES5 The non-breeding population of skylark within the Site is of district importance.
- ES6 No other species were recorded in a figure approaching 1% of the county non-breeding population estimates in either the East Riding of Yorkshire or North Yorkshire.

1. Introduction

1.1 Background

- 1.1.1 Surveys of non-breeding birds were undertaken between September 2022 and March 2023 for East Yorkshire Solar Farm (hereafter referred to as the 'Scheme') to record the species, distribution and numbers of non-breeding birds within the Site boundary in order to determine the potential impacts of the Scheme on non-breeding birds.
- 1.1.2 The Scheme will comprise the installation of solar photovoltaic (PV) generating panels (the 'Solar PV Site'), associated grid connection (comprising the 'Interconnecting Cable Corridor' and 'Grid Connection Corridor'), access points ('Site Accesses') and 'Ecology Mitigation Area' – collectively referred to as the 'Site'. The boundary of the Site is referred to as the 'Order limits'.
- 1.1.3 Further information on the Scheme and Site is provided in **Chapter 2: The Scheme, ES Volume 1 [EN010143/APP/6.1]**.
- 1.1.4 In areas around the solar PV arrays and on other land within the Solar PV Site, opportunities for landscaping, biodiversity enhancements and habitat management will be explored.
- 1.1.5 The landscape features within the Site consist predominately of agricultural fields with areas of woodland, grassland and boundary features including hedgerows, tree lines and watercourses/ditches. There are several woodlands located adjacent to the Site and surrounding area, including deciduous woodland Priority Habitat.

1.2 Aims and Objectives

- 1.2.1 The objective of the survey for non-breeding birds, reported in this document, is to determine the presence, assemblage and distribution of non-breeding bird species, within the Site (see limitations) and identify any potential impacts of the Scheme on non-breeding birds.
- 1.2.2 This report contains the following information:
 - a. Relevant legislation, policy and guidance documents (relevant to ornithology);
 - b. Methods for desk and field-based assessments, undertaken in 2022 and 2023;
 - c. Limitations to the surveys undertaken;
 - d. Survey results;
 - e. The approach for determining the nature conservation importance of non-breeding bird populations recorded during the assessments; and
 - f. Conclusions.
- 1.2.3 This report is presented as a technical appendix to accompany **Chapter 8: Ecology, ES Volume 1 [EN010143/APP/6.1]** for the DCO application.

1.3 Relevant Legislation, Policy and Guidance

Wildlife and Countryside Act 1981 (as amended)

- 1.3.1 The legislative provisions for the protection of wild birds in the UK are contained primarily in Sections 1–7 of the Wildlife and Countryside Act (WCA), 1981 (as amended) (Ref. 1). Under the WCA, a wild bird is defined as any bird of a species that occurs in a wild state as a resident or a visitor to the European Territory of any member state.
- 1.3.2 Reference is not made in this appendix to species afforded protection under Schedule 1 of the WCA, as the protection measures under the WCA only apply to bird species within the breeding season.

Directive of the Conservation of Wild Birds

- 1.3.3 A number of bird species recorded within the UK (including those that are resident, overwintering and migratory) are protected under European legislation under the Directive of the Conservation of Wild Birds (European Union (EU) Birds Directive) (Ref. 2), which lists 193 species, or sub-species, of birds in Annex 1 that are:
- a. In danger of extinction;
 - b. Rare, or have restricted local distribution;
 - c. Vulnerable to specific changes in their habitat; or
 - d. Require particular attention for reasons of the specific nature of habitat.
- 1.3.4 The Birds Directive was most recently transposed into English law by the Conservation of Habitats and Species Regulations 2017 (as amended) (Ref. 3). Although the UK is no longer a member state of the EU, the 2019 amendments (Ref. 4) to the Conservation of Habitats and Species Regulations 2017 make it clear that provisions regarding the protection and designation of Special Protection Areas (SPA) are maintained. Species listed in Annex 1 are those for which the UK government takes special conservation measures; including the designation of land as SPAs to ensure the survival and reproduction of these species throughout their distributions. These sites are automatically included within the National Site Network; a network of core breeding and resting sites that are protected for rare and threatened species.

Priority Species

- 1.3.5 In addition to the above legislation, 49 bird species are listed as being Species of Principal Importance for conservation in England under Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006 (Ref. 5). These species are of material consideration during the planning process. Section 41 of the NERC Act requires the Secretary of State to publish a list of habitats and species which are of Principal Importance for the conservation of biodiversity in England. The list has been drawn up in consultation with Natural England, as required by the NERC Act. The Section 41 list is used to guide decision-makers such as public bodies, including local and regional authorities, in implementing their duty under Section 40 of the NERC Act, to have regard to the conservation of biodiversity in England when carrying out their normal functions.

UK Biodiversity Action Plan and UK Post-2010 Biodiversity Framework

- 1.3.6 The Joint Nature Conservation Committee (JNCC) UK Biodiversity Action Plan (UKBAP) (Ref. 6) was launched in 1994 and identified UKBAP priority species of conservation concern that are the most threatened in the UK and requiring action under the UKBAP and for which action plans have been published. However, the work undertaken for the UKBAP is now focussed at a country level, rather than UK level, and the UKBAP has subsequently been succeeded by the UK Post-2010 Biodiversity Framework (July 2012) (Ref. 7).
- 1.3.7 Regardless, the UK list of priority species remains an important reference source and has been used to help draw up statutory lists of priority species in England, Scotland, Wales and Northern Ireland. For the purpose of this assessment, the UKBAP is still used as one of the criteria to assist in assigning national value to any given ecological receptor.

Local Biodiversity Action Plan Species

- 1.3.8 Owing to the Site's location within East Riding of Yorkshire and Unitary Authority of North Yorkshire, the relevant Biodiversity Action Plans (BAP) are the East Riding of Yorkshire Biodiversity Action Plan (ERYBAP) (Ref. 8) and the Selby Biodiversity Action Plan (SBAP) (Ref. 9).
- 1.3.9 Neither BAPs specifically set out species action plans for birds. The SBAP includes a list of 'regionally important bird species'; however (using professional judgement) this is a list of bird species recorded within the district rather than those for which priorities for conservation action have been identified.
- 1.3.10 However, the ERYBAP does include a list of Priority Species that have been recorded within the East Riding of Yorkshire and goes further in identifying where East Riding of Yorkshire supports populations of Priority Species that are important in a national (UK) and regional (Yorkshire and Humber Region) context. The ERYBAP, therefore, provides context to inform the identification of threatened and/or uncommon species within the district and/or county. The ERYBAP also identifies priorities for conservation and enhancement but confers no particular legislative or policy protection to the species identified. However, in some cases this is provided through related legislation and local planning policy.
- 1.3.11 Table 8 in the ERYBAP lists important bird species (hereafter referred to as ERYBAP 'important' species) occurring within East Riding of Yorkshire, comprising:
- a. Bittern (*Botaurus stellaris*);
 - b. Black-tailed godwit (*Limosa limosa*);
 - c. Corn bunting (*Emberiza calandra*);
 - d. Curlew (*Numenius arquata*);
 - e. Dark-bellied brent goose (*Branta bernicla*);
 - f. Golden plover (*Pluvialis apricaria*);

- g. Grey partridge (*Perdix perdix*);
- h. Knot (*Calidris canutus*);
- i. Linnet (*Linaria cannabina*);
- j. Marsh tit (*Poecile palustris*);
- k. Roseate tern (*Sterna dougallii*);
- l. Skylark (*Alauda arvensis*);
- m. Tree sparrow (*Passer montanus*);
- n. Turtle dove (*Streptopelia turtur*);
- o. Yellowhammer (*Emberiza citrinella*); and
- p. Yellow wagtail (*Motacilla flava*).

Birds of Conservation Concern

1.3.12 The Birds of Conservation Concern (BoCC) is an assessment of the conservation status of all regularly occurring British birds. The lists (Red, Amber and Green) that indicate the level of conservation importance for each species are derived from quantitative assessments from standardised criteria and are drawn together by the UK's leading bird conservation organisations, including the Royal Society for the Protection of Birds (RSPB) and British Trust for Ornithology (BTO).

1.3.13 The most recent assessment (BoCC 5) (Ref. 10) was published in December 2021 and is based on the most up-to-date evidence available and includes conservation status at global and European levels and within the UK, historical decline, trends in population and range, rarity, localised distribution and international importance.

1.3.14 The criteria for birds being included in the BoCC lists are as follows:

Red List:

- Species that are globally threatened (Critically Endangered, Endangered and Vulnerable, but not Near Threatened) under International Union for Conservation of Nature and Natural Resources (IUCN) Red List Guidelines (Ref. 11);
- Species that have shown a historical decline in breeding populations, declining severely between 1800 and 1995 and have subsequently not recovered;
- Species that have suffered a severe (>50%) breeding or non-breeding population decline within the UK in either the last 25 years or the longer-term (since 1969); or
- Species whose UK range in either the breeding or non-breeding season has declined by more than 50% between respective breeding and non-breeding atlases.

Amber List:

- Species that are threatened in Europe (Critically Endangered, Endangered and Vulnerable, but not Near Threatened as per IUCN Red List Guidelines);

- Species that were previously red-listed for historical population decline, followed by an increase of at least 100% over 25 years or the longer-term period;
- Species that have suffered a moderate (>25% but <50%) breeding or non-breeding population decline within the UK in either the last 25 years or the longer term (since 1969);
- Species whose UK range in either the breeding or non-breeding season has declined by more than 25% but less than 50% between respective breeding and non-breeding atlases;
- Breeding or non-breeding rarities (UK population <900 non-breeding individuals);
- Breeding or non-breeding localisation whereby more than 50% of the UK population was found at ten or fewer sites in the non-breeding season; or
- Breeding or non-breeding international importance whereby the UK holds at least 20% of the European population in the non-breeding season of a particular species.

Green List:

- Species that are not showing moderate or severe declines and do not qualify under any of the above criteria.

1.3.15 Although the BoCC lists confer no legal status in themselves, they are useful in evaluating the conservation significance of bird assemblages, and for assessing the potential significance of impacts and informing appropriate levels of mitigation with respect to bird populations that may be affected by a plan or project.

2. Methods

2.1 Desk Study

- 2.1.1 The North and East Yorkshire Ecological Data Centre (NEYEDC) was contacted in July 2022, and again in August 2023 to obtain information on pre-existing ecological information. This included locations of non-statutory sites designated for nature conservation and records of protected, notable and invasive non-native species within 2km of the Site.
- 2.1.2 Only records up to ten years old from the request date were considered within the assessment, as any records older than ten years are unlikely to be still representative of bird species in the local area.

2.2 Field Survey

Survey Area

- 2.2.1 The 'Survey Area' included all habitats within the Site and a minimum 50m survey buffer around the Site. For species of greater conservation value and/or higher sensitivity, e.g., those listed on Annex 1 of the EU Birds Directive (Ref. 2) and sensitive to potential noise or visual disturbance,

where any such species were recorded, the Survey Area was extended up to 200m from the Site.

- 2.2.2 Whilst standardised survey buffers for assessing the impacts of development on bird populations do not exist, the Survey Area used provides information on non-breeding birds both within the Site and the area immediately surrounding the Site, including areas contiguous with the Site where birds may potentially be adversely affected. Therefore, the Survey Area set out above is sufficient to determine the likely impacts of the Scheme on the majority of non-breeding bird species occurring or likely to occur within the vicinity of the Site.

Walkover survey

- 2.2.3 A series of walkover surveys were undertaken between 2022 and 2023 based on a transect methodology as detailed in Bibby, et al. (2000) (Ref. 12) and Gilbert, et al. (1998) (Ref. 13). The methodology is similar to that used in the breeding bird surveys (presented in **Appendix 5-5: Report on Surveys for Breeding Birds, ES Volume 2 [EN010143/APP/6.2]**) as birds encountered visually or by sound, either within the Survey Area or flying over the Survey Area, were recorded. The survey methodology allowed all species to be recorded, including waders, wildfowl and Priority Species.
- 2.2.4 Survey routes followed the majority of hedgerows, fence lines and field margins (including paths, tracks and roads). Deviations into areas of set-aside, stubble fields, scrub, woodland and other uncultivated habitats were made, where possible. The routes did not include walking through ploughed or cultivated fields, due to the possibility of trampling and damaging crops. Fields containing livestock were avoided for safety reasons but could be surveyed from the field boundary for any large non-breeding bird assemblages.
- 2.2.5 Regular stopping points were included at various locations around the Survey Area to record any species that may be passing through the Survey Area and to survey birds that were audible or visible within any inaccessible areas. Survey routes were mapped, and the direction walked alternated on each visit, to ensure that all areas were covered at various times of day (ranging from just before sunrise to just after sunset) across the duration of the survey but also including coverage of the period up to two hours after dusk.
- 2.2.6 On each survey visit, the route was walked at a slow pace with start and finish times noted. Prior to approaching a field, the observer undertook an initial scan to determine the presence of any species already present.
- 2.2.7 All birds seen and heard were recorded directly onto paper maps or an ArcGIS base map using 'Field Maps' software on hand-held Samsung Tablet devices, with a 1:10,000 scale Ordnance Survey base map of the Survey Area. Registrations of birds were recorded using standard BTO two letter species codes.
- 2.2.8 Monthly surveys for non-breeding birds within the Solar PV Site, Interconnecting Cable Corridor and the Grid Connection Corridor (up to the north bank of the River Ouse) were undertaken between September 2022 and March 2023. Owing to the size of the Solar PV Site, each survey was

undertaken over a period of between three-five days. Some visits, such as in February 2023, were spread within a month due to inclement weather conditions. The monthly survey dates were:

- a. 19–23 September 2022;
- b. 10–14 October 2022;
- c. 7–9 November 2022;
- d. 12–16 December 2022;
- e. 4, 5, 9, 11 and 30 January 2023;
- f. 6, 7, 15 and 20–23 February 2023; and
- g. 3, 6, 7 and 22 March 2023.

2.2.9 Furthermore, surveys within the Grid Connection Corridor, south of the River Ouse, were undertaken on three dates between February and March 2023, owing to access restrictions (see limitations). The dates for surveys in this area were as follows:

- a. 7 and 24 February 2023; and
- b. 14 March 2023.

2.3 Assessment of Ornithological Importance

2.3.1 The assessment of the ornithological importance of the Survey Area during the non-breeding season was made by evaluating any species afforded special statutory protection or those included on one, or more, of the lists of species of conservation interest, as detailed in Section 2 of this report. These include:

- a. Species listed on Annex 1 of the EU Birds Directive (Ref. 2);
- b. Priority bird species in the UK (Ref. 5, Ref. 6);
- c. ERYBAP 'important' species (Ref. 8); and
- d. Species included in the BoCC (Ref. 10) Red and Amber Lists.

Species abundance

2.3.2 In addition to evaluating a site based on its populations of non-breeding birds in relation to legal status, rarity and biodiversity importance, consideration has to be given to the value of the Survey Area for the population of individual species that it supports. This can be done by comparing the population present within the Survey Area with the national and county non-breeding population for certain species. National estimates for non-breeding birds are published in a paper: '*Population estimates of birds in Great Britain and the United Kingdom*' (Ref. 14). The BTO '*Bird Atlas 2007-2011*' (Ref. 15) was also reviewed for species information on a national level.

2.3.3 County level estimates of non-breeding bird populations for species in the East Riding of Yorkshire and North Yorkshire were also obtained from online resources, where this information was available. However, professional judgement was applied when determining the geographic importance of species where population estimates were not available.

Species diversity

- 2.3.4 The number of species recorded in an area is a simple measure of diversity that can indicate its importance at each season of the year.
- 2.3.5 Local Wildlife Sites (LWS) are amongst the most important places for wildlife in East Yorkshire, together with legally protected land such as Sites of Special Scientific Interest (SSSI).
- 2.3.6 LWSs are selected for their habitats and can also be designated for particular species and taxons, including birds. The document '*Local Sites in the East Riding of Yorkshire, Part B, LWS Site Selection*' (Ref. 16) states that a LWS in East Riding of Yorkshire can be selected based on the following specific criteria for birds:
- a. Any site that supports 0.5% of the UK wintering or migratory population of a bird;
 - b. Any wetland site that regularly supports significant populations of at least ten species of overwintering water-birds of conservation concern; or
 - c. Any coastal or wetland site that regularly supports a significant range of migrating birds.
- 2.3.7 Furthermore, in North Yorkshire, the document '*Sites of Importance for Nature Conservation in North Yorkshire: Guidelines for Site Selection*' (Ref. 17) states that Sites of Importance for Nature Conservation (SINCS) in North Yorkshire can be selected based on the following specific criteria for non-breeding birds:
- a. Any site which regularly supports 0.04% of the British non-breeding population (or the relevant international population) of any waterbird covered by the Wetland Bird Survey (WeBS); or
 - b. Any site supporting a breeding, wintering or passage population of any bird of conservation concern which is of district, County or regional importance.

Importance of the non-breeding bird population

- 2.3.8 To support a focussed assessment of the population of non-breeding birds within the Site, their biodiversity value has been defined with reference to the geographical level at which it matters. The frames of reference used in this report were made using the values presented in the Chartered Institute of Ecology and Environmental Management's (CIEEM) 2018 '*Guidelines for Ecological Impact Assessment in the United Kingdom: Terrestrial, Freshwater, Coastal and Marine*' (hereafter referred to as the 'CIEEM Guidelines') (Ref. 18), and professional judgement.
- 2.3.9 The CIEEM Guidelines use a framework, linked to a geographical scale at which the receptor has been valued (i.e., international, national, regional, county, local or Site) and this method represents best practice guidance. This assessment criteria, set out in **Table 1**, has been used in conjunction with species rarity, abundance and diversity within the Survey Area to assess the biodiversity importance of the non-breeding bird populations recorded during the field surveys.

Table 1. Importance of ornithological features

Importance of ornithological features	Descriptors and examples of criteria
International or European	<p>Resident or regularly occurring populations of species which may be considered of value at an international or European level¹ where the:</p> <ul style="list-style-type: none"> • Loss of these populations would adversely affect the conservation status or distribution of the species at this geographic scale; • Population forms a critical part² of a wider population at this scale; or • Species is at a critical phase³ of its life-cycle at this scale.
UK or National	<p>Areas of habitats with priority species identified in the UK Post-2010 Biodiversity Framework, i.e., UKBAP (Ref. 6), including those published in accordance with Section 41 of the NERC Act (Ref. 5) and those considered to be of principal importance for the conservation of biodiversity.</p> <p>Resident or regularly occurring populations of species which may be considered of value at a UK or a national level⁴ where the:</p> <ul style="list-style-type: none"> • Loss of these populations would adversely affect the conservation status or distribution of the species at this geographic scale; • Population forms a critical part of a wider population at this scale; or • Species is at a critical phase of its life-cycle at this scale.
Regional	<p>Populations of species of value at a regional level (i.e. Yorkshire and the Humber). A feature is of Regional importance when it is of greater geographical importance than within the county of East Riding of Yorkshire but does not reach the threshold to be of UK/ national importance.</p> <p>Resident or regularly occurring populations of species which may be considered of value at a regional level⁵ where the:</p> <ul style="list-style-type: none"> • Loss of these populations would adversely affect the conservation status or distribution of the species at this geographic scale; • Population forms a critical part of a wider population at this scale; or

Importance of ornithological features

Descriptors and examples of criteria

	<ul style="list-style-type: none"> Species is at a critical phase of its life-cycle at this scale.
County or Unitary Authority or District	<p>Populations of species of value at a County (i.e. East Riding of Yorkshire, North Yorkshire) level or District (town or parish area, e.g. Spaldington, Wressle). Resident or regularly occurring populations of species which may be considered of value at a County (or District)⁵ level where the:</p> <ul style="list-style-type: none"> Loss of these populations would adversely affect the conservation status or distribution of the species at this geographic scale; Population forms a critical part of a wider population at this scale; or, Species is at a critical phase of its life-cycle at this scale.
Local	<p>Species populations of value in a local (i.e., within ~2km of the Site) context.</p> <p>Populations and, or communities of species considered to appreciably enrich the habitat resource within the local context (such as veteran trees), including features of value for migration, dispersal or genetic exchange.</p>
Site*	<p>Habitats and associated species that is of value in the context of the Site only.</p> <p>Populations of common and widespread species.</p>

¹ Such species include those listed within the Directive 2009/147/EC on the Conservation of Wild Birds (i.e., EU Birds Directive) (codified version of Council Directive 79/409/EEC as amended).

² Such populations include sub-populations that are essential to maintenance of metapopulation dynamics, e.g. critical emigration and, or immigration links between otherwise discrete populations.

³ Seasonal activity or behaviour upon which survival or reproduction depends.

⁴ Species which may be considered at the UK or national level mean: birds which receive legal protection on the basis of their conservation interest (those listed within the Wildlife and Countryside Act 1981 (as amended) Schedule 1); species listed for their principal importance for biodiversity (in accordance with the Natural Environment and Communities Act 2006 Section 41 England), priority species listed within the UK Post 2010 Biodiversity Framework (i.e., UKBAP), or species listed within the Red Data Book.

⁵ Such species include those at county level (i.e., East Riding of Yorkshire, North Yorkshire) including unitary authority area, i.e., District level (i.e., town or parish area, e.g., Spaldington, Wressle); as listed on the ERYBAP or SBAP.

* Site is not included within the CIEEM Guidelines but is included hereafter in this appendix.

2.4 Assumptions and Limitations

2.4.1 Cattle were present in the northern section of Solar PV Area 2a (as shown on **Figure 1-3, ES Volume 3 [EN010143/APP/6.1]**) and therefore, due to Health and Safety consideration, no access was made into these fields. Whilst this is a limitation on the distance approached to each habitat type

within this land parcel, every effort was made to record non-breeding bird species within and surrounding this area through the addition of a stopping point that was used to record birds that were audible and visible within the areas where direct access was not possible.

- 2.4.2 Owing to access restrictions, surveys within a limited area of the Grid Connection Corridor, south of the River Ouse, were only undertaken between January and March 2023. Habitats within this area comprise predominantly arable farmland and whilst only three survey visits were undertaken within this area, sufficient representatives of the habitat types were covered to allow for an assessment of bird species and assemblages present, based on similar habitats surveyed during the entire non-breeding survey season. Therefore, for this section of the Grid Connection Corridor, a three-visit survey is not considered a limitation.
- 2.4.3 Modifications to the Scheme extent through the survey period resulted in minor modifications to the Survey Area used during the course of the surveys for non-breeding bird and therefore the methods that were used reflected the extent of access at the time. However, the Survey Area was adequate to incorporate any minor modifications to the Scheme extent and therefore provides an accurate representation of the baseline non-breeding bird community presence within the Site to allow determination of the presence of any protected or sensitive ornithological receptors.

3. Results

3.1 Desk Study

- 3.1.1 Records of 83 bird species were returned from NEYEDC from within 2km of the Site and within the last ten years. A list of the 83 species recorded during the desk study is included in **Annex B** of this appendix.

3.2 Field Survey

- 3.2.1 A total of 72 species were recorded during the surveys for non-breeding birds undertaken between September 2022 and March 2023. The 72 species, along with their respective peak counts and conservation status are presented in **Table 2**.
- 3.2.2 For species which are widespread throughout the Survey Area (e.g., blue tit *Cyanistes caeruleus*), are common within East Riding of Yorkshire and the UK and are not of conservation concern (i.e., not listed on one or more of the lists of conservation concern as detailed in this appendix), the number of individuals of these species (including probable or possible) have not been calculated and these are referred to in **Table 2** as being present (P).
- 3.2.3 Solar PV Areas and Ecology Mitigation Areas are shown on **Figure 1-3, ES Volume 3 [EN010143/APP/6.1]**.

Table 2. Peak count data and conservation status of non-breeding bird species

Common name (scientific name)	Conservation status (where applicable)	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Peak Count	Supporting Notes
Barn Owl (<i>Tyto alba</i>)	-	-	-	-	-	-	-	2	2	-
Blackbird (<i>Turdus merula</i>)	-	P	P	P	P	P	P	P	P	-
Black-headed Gull (<i>Chroicocephalus ridibundus</i>)	BoCC Amber	23	47	32	4	42	5	77	77	-
Blue Tit (<i>Cyanistes caeruleus</i>)	-	P	P	P	P	P	P	P	P	-
Bullfinch (<i>Pyrrhula pyrrhula</i>)	Priority Species, BoCC Amber	1	-	-	1	-	-	1	1	-
Buzzard (<i>Buteo buteo</i>)	-	-	-	6	3	9	10	12	12	-
Canada Goose (<i>Branta canadensis</i>)	-	4	-	-	-	-	-	-	4	-
Carrion Crow (<i>Corvus corone</i>)	-	P	P	P	P	P	P	P	P	-
Chaffinch (<i>Fringilla coelebs</i>)	-	P	P	P	P	P	P	P	P	-
Common Gull (<i>Larus canus</i>)	BoCC Amber	-	-	-	-	15	-	-	15	-

Common name (scientific name)	Conservation status (where applicable)	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Peak Count	Supporting Notes
Cormorant (<i>Phalacrocorax carbo</i>)	-	2	-	-	1	1	1	1	2	-
Coot (<i>Fulica atra</i>)	-	-	-	-	-	2	-	4	4	-
Curlew (<i>Numenius arquata</i>)	Priority Species, BoCC Red, ERYBAP	-	-	-	-	1	3	2	3	Single birds were recorded flying over the Survey Area in January and February 2023 and two birds were recorded in Solar PV Area 2c in February and March 2023.
Dunnock (<i>Prunella modularis</i>)	Priority Species, BoCC Amber	8	4	3	3	2	4	3	8	-
Egyptian Goose (<i>Alopochen aegyptiaca</i>)	-	-	-	-	2	-	-	-	2	-
Fieldfare (<i>Turdus pilaris</i>)	BoCC Red	-	-	890	547	421	11	67	890	Flocks of Fieldfare were recorded throughout the Survey Area,

Common name (<i>scientific name</i>)	Conservation status (where applicable)	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Peak Count	Supporting Notes
										associating with hedgerows, woodland and flying over the Survey Area. The peak counts are likely to be associated with birds arriving on the east coast from Scandinavia and moving through the Site.
Goldfinch (<i>Carduelis carduelis</i>)	-	11	31	38	1	-	-	8	38	-
Golden Plover (<i>Pluvialis apricaria</i>)	Annex 1, ERYBAP	-	-	-	36	200	-	-	200	A small group of six birds were settled within the eastern side of Solar PV Area 1e in

Common name (<i>scientific name</i>)	Conservation status (where applicable)	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Peak Count	Supporting Notes
										December 2022, with a small group of 30 birds also settled in Solar PV Area 3b. In January 2023, a flock of 200 birds was recorded outside the Site, flying high and over the Site (to the south of Solar PV Area 1f), but did not land within the Site.
Great Black-backed Gull (<i>Larus marinus</i>)	BoCC Amber	-	2	-	-	-	-	-	2	-
Great Crested Grebe (<i>Podiceps cristatus</i>)	-	-	-	2	-	-	-	-	2	-
Great Spotted Woodpecker (<i>Dendrocopos major</i>)	-	1	-	-	1	-	-	-	1	-

Common name (<i>scientific name</i>)	Conservation status (where applicable)	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Peak Count	Supporting Notes
Great Tit (<i>Parus major</i>)	-	P	P	P	P	P	P	P	P	-
Greenfinch (<i>Carduelis chloris</i>)	BoCC Red	1	-	25	2	1	-	3	25	-
Green Woodpecker (<i>Picus viridis</i>)	-	-	-	-	1	-	-	-	1	-
Grey Heron (<i>Ardea cinerea</i>)	-	1	-	2	3	1	1	3	3	-
Greylag Goose (<i>Anser anser</i>)	BoCC Amber	1	-	-	57	79	9	17	57	Small groups of resident greylag geese were recorded throughout the Survey Area and outside of this.
Grey Partridge (<i>Perdix perdix</i>)	BoCC Red, Priority Species, ERYBAP	-	-	3	-	7	16	14	16	-
Grey Wagtail (<i>Motacilla cinerea</i>)	BoCC Red	-	-	-	1	-	-	1	1	-
Hen Harrier (<i>Circus cyaneus</i>)	Annex 1, BOCC Red	-	-	-	-	1	-	-	1	A single hen harrier was recorded flying over Solar PV

Common name (<i>scientific name</i>)	Conservation status (where applicable)	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Peak Count	Supporting Notes
Area 3c in January 2023.										
Herring Gull (<i>Larus argentatus</i>)	Priority Species, BoCC Red	17	15	-	2	2	-	-	17	-
House Sparrow (<i>Passer domesticus</i>)	Priority Species, BoCC Red	21	17	47	P	20	10	25	47	-
Jackdaw (<i>Coloeus monedula</i>)	-	P	P	P	P	P	P	P	P	-
Jay (<i>Garrulus glandarius</i>)	-	-	5	1	-	-	-	1	5	-
Kestrel (<i>Falco tinnunculus</i>)	BoCC Amber	3	1	6	8	9	5	7	9	-
Kingfisher (<i>Alcedo atthis</i>)	Annex 1	1	-	-	-	-	-	-	1	-
Lapwing (<i>Vanellus vanellus</i>)	Priority Species, BoCC Red	3	-	-	46	51	33	29	51	Most commonly recorded flying over the Site and not settled in any field compartments, with the exception of

Common name (<i>scientific name</i>)	Conservation status (where applicable)	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Peak Count	Supporting Notes
										occasional single birds in fields across the Site and a group of 15 birds in the southern section of Solar PV Area 3c.
Lesser Black-backed Gull (<i>Larus fuscus</i>)	BoCC Amber	3	29	30	1	1	7	-	30	-
Lesser Redpoll (<i>Acanthis cabaret</i>)	Priority Species, BoCC Red	-	-	-	-	-	-	1	1	-
Linnet (<i>Linaria cannabina</i>)	Priority Species, BoCC Red, ERYBAP	1	25	100	2	74	56	12	100	-
Little Egret (<i>Egretta garzetta</i>)	Annex 1	1	-	-	-	1	-	1	1	Single Little Egret were recorded flying over the Grid Connection Corridor, close to the River Derwent and a

Common name (<i>scientific name</i>)	Conservation status (where applicable)	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Peak Count	Supporting Notes
										single bird associated with ditches within the Solar PV Site.
Little Owl (<i>Athene noctua</i>)	-	-	-	-	1	-	-	1	1	-
Long-tailed Tit (<i>Aegithalos caudatus</i>)	-	-	1	1	-	-	-	1	7	-
Magpie (<i>Pica pica</i>)	-	P	P	P	P	P	P	P	P	-
Mallard (<i>Anas platyrhynchos</i>)	BoCC Amber	3	3	-	4	1	12	33	33	-
Meadow Pipit (<i>Anthus pratensis</i>)	BoCC Amber	2	-	6	4	3	8	26	26	-
Merlin (<i>Falco columbarius</i>)	Annex 1	-	-	-	2	1	-	1	2	Single Merlin were recorded flying over Solar PV Areas 1a and 1e and outside of the Site, with no more than two individuals recorded

Common name (scientific name)	Conservation status (where applicable)	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Peak Count	Supporting Notes
										during any visit.
Mistle Thrush (<i>Turdus viscivorus</i>)	BoCC Red	-	-	1	3	-	-	1	3	-
Moorhen (<i>Gallinula chloropus</i>)	BoCC Amber	-	-	4	6	6	3	3	6	-
Mute Swan (<i>Cygnus olor</i>)	-	-	-	-	-	6	6	2	6	-
Oystercatcher (<i>Haematopus ostralegus</i>)	BoCC Amber	-	-	-	-	-	4	6	6	This species was recorded foraging within the Grid Connection Corridor and associated with the River Derwent.
Peregrine (<i>Falco peregrinus</i>)	Annex 1	-	-	-	1	-	-	-	1	A single peregrine was recorded in Solar PV Area 1a in December 2022.

Common name (<i>scientific name</i>)	Conservation status (where applicable)	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Peak Count	Supporting Notes
Pied Wagtail (<i>Motacilla alba</i>)	-	1	-	-	1	-	-	-	1	-
Pink-footed Goose (<i>Anser brachyrhynchus</i>)	BoCC Amber	-	-	-	80	259	500	-	500	Pink-footed goose was recorded predominantly flying over the Survey Area, with the exception of a group of 80 birds in Solar PV Area 1a in December 2022 and a single bird in Ecology Mitigation Area 1g in January 2023. All skeins (flock of wild geese) flying over the Survey Area were at considerable height and obviously

Common name (<i>scientific name</i>)	Conservation status (where applicable)	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Peak Count	Supporting Notes
										commuting to foraging areas well beyond the Survey Area.
Red Kite (<i>Milvus milvus</i>)	Annex 1	-	-	-	-	1	-	-	1	-
Red-legged Partridge (<i>Alectoris rufa</i>)	-	P	P	P	P	P	P	P	P	-
Redwing (<i>Turdus iliacus</i>)	BoCC Amber	-	-	68	23	113	134	51	134	-
Reed Bunting (<i>Emberiza schoeniclus</i>)	Priority Species, BoCC Amber	-	-	-	1	-	8	20	20	-
Robin (<i>Erithacus rubecula</i>)	-	P	P	P	P	P	P	P	P	-
Rook (<i>Corvus frugilegus</i>)	BoCC Amber	63	31	37	P	P	P	P	63	-
Skylark (<i>Alauda arvensis</i>)	Priority Species, BoCC Red, ERYBAP	19	1	8	52	77	142	139	142	-
Song Thrush (<i>Turdus philomelos</i>)	Priority Species, BoCC Amber	-	2	2	1	-	1	1	2	-

Common name (scientific name)	Conservation status (where applicable)	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Peak Count	Supporting Notes
Snipe (<i>Gallinago gallinago</i>)	BoCC Amber	-	-	-	16	1	2	2	16	-
Sparrowhawk (<i>Accipiter nisus</i>)	BoCC Amber	-	-	-	1	-	-	1	1	-
Stock Dove (<i>Columba oenas</i>)	BoCC Amber	2	14	-	5	11	9	3	15	-
Stonechat (<i>Saxicola rubicola</i>)	-	2	-	-	-	-	1	1	2	-
Starling (<i>Sturnus vulgaris</i>)	Priority Species, BoCC Red	-	-	84	227	274	151	225	274	-
Teal (<i>Anas crecca</i>)	BoCC Amber	-	-	-	4	7	12	3	12	Small groups of teal were recorded within the Grid Connection Corridor, associating with the River Derwent and small water bodies to the north-east of National Grid Drax Substation.

Common name (scientific name)	Conservation status (where applicable)	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Peak Count	Supporting Notes
Wigeon (<i>Mareca penelope</i>)	BoCC Amber	-	-	-	-	-	15	2	15	A small group of 15 birds was recorded within the Grid Connection Corridor, where the River Ouse meets the River Derwent and two birds were recorded associating with a water body to the north-east of National Grid Drax Substation.
Woodcock (<i>Scolopax rusticola</i>)	BoCC Red	-	-	-	-	1	-	-	1	-
Woodpigeon (<i>Columba palumbus</i>)	BoCC Amber	73	71	718	3,517	360	853	331	3,517	Large flocks (c. 500) were recorded on a number of occasions

Common name (scientific name)	Conservation status (where applicable)	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Peak Count	Supporting Notes
										flying over the Survey Area.
Wren (<i>Troglodytes troglodytes</i>)	BoCC Amber	3	5	5	10	10	3	9	10	-
Yellowhammer (<i>Emberiza citrinella</i>)	Priority Species, BoCC Red, ERYBAP	7	3	33	11	14	33	73	73	-

4. Evaluation

4.1 Desk Study

4.1.1 Records of 83 bird species, including specially protected or notable bird species (see Section 2) were returned from the last ten years of the request date and from within 2km of the Site through NEYEDC.

4.1.2 Of these 83 bird species:

- Eight species are listed on Annex 1 of the EU Birds Directive (Ref. 2);
- 19 species are listed as a Priority Species in the UK (Ref. 5, Ref. 6);
- 24 species are included on the BoCC Red List (Ref. 10);
- 26 species are included on the BoCC Amber List (Ref. 10); and
- Eleven species listed as ERYBAP 'important' species (see Section 1.3.11).

4.2 Field Survey

4.2.1 Seventy-two bird species were recorded during the survey for non-breeding bird across the Site, of which 46 species (see **Table 2**) met at least one of a range of criteria relating to conservation importance, as listed in Section 2 of this appendix.

4.2.2 Seven species (golden plover, hen harrier, kingfisher, little egret, merlin, peregrine and red kite) listed on Annex 1 of the EU birds Directive (Ref. 2) were recorded within the Survey Area (see **Figure 1** in **Annex A** of this appendix). Single little egrets were recorded flying over the Site and kingfisher was recorded infrequently along the River Derwent (Grid Connection Corridor). Hen harrier, peregrine and red kite were recorded in single occurrences flying over the Solar PV Site. Merlin were recorded hunting in several different areas of the Site.

4.2.3 In December 2022, golden plover were recorded feeding in Solar PV Area 1e within the north-east of the Solar PV Site and Solar PV Area 3b in the southern section of the Solar PV Site, with the total number of individuals being 36. In January 2023, a flock of 200 golden plover was observed flying high over the Solar PV Site but did not land within the Site boundary and these birds were not considered to be interacting with the Site. In the context of the national population or county population in East Yorkshire, where in the latter some wetland sites, e.g., the Humber Estuary often exceeds 30,000 birds during winter (Ref. 19) (with many additional flocks of golden plover likely on inland, unobserved sites), the numbers recorded within the Survey Area are not likely to represent a significant proportion of these populations. Populations associated with designated sites are considered within the **Habitats Regulations Assessment [HRA] Report [EN010143/APP/7.12]**, which is submitted with the DCO Application. The nomadic status of golden plover flocks during winter in response to annual variations in crop rotations and weather conditions, along with the limited observations of this species utilising the fields within the Survey Area (on two days only in December with six birds in one field and 30 in another), suggest

that this is likely to be typical of the species' occurrence within the Survey Area, particularly in consideration of similar habitats in the surrounding arable landscape. No further observations of golden plover were made anywhere within the Site during the non-breeding bird survey.

- 4.2.4 Fourteen priority species were recorded within the Survey Area. These were: bullfinch, curlew, dunnock, grey partridge, house sparrow, herring gull, lapwing, lesser redpoll, linnet, reed bunting, skylark, starling, song thrush and yellowhammer.
- 4.2.5 Sixteen species, included on the BoCC Red List (Ref. 10) were recorded within the Survey Area. These were: hen harrier, curlew, fieldfare, greenfinch, grey partridge, grey wagtail, house sparrow, herring gull, lapwing, lesser redpoll, linnet, mistle thrush, skylark, starling, woodcock and yellowhammer. Twenty-four species, included on the BoCC Amber List (Ref. 10), were recorded within the Survey Area. These were: black-headed gull, bullfinch, common gull, dunnock, great black-backed gull, greylag goose, kestrel, lesser black-backed gull, mallard, meadow pipit, moorhen, oystercatcher, pink-footed goose, redwing, reed bunting, rook, song thrush, snipe, sparrowhawk, stock dove, teal, wigeon, woodpigeon and wren. The remaining species are all included on the Green list and are of least conservation concern.
- 4.2.6 Six species, listed in Table 8 of the ERYBAP (Ref. 8) and included in Section 1.3.11 of this appendix, were recorded within the Survey Area. These were: curlew, golden plover, grey partridge, linnet, skylark and yellowhammer.

Species Abundance

- 4.2.7 In addition to evaluating a site based on its populations of wintering birds in relation to legal status, rarity and conservation value, consideration has to be given to the value of the Site for the population of individual species that it supports. This can be done by comparing the population present on the Site with the national and county non-breeding population for certain species.
- 4.2.8 No peak counts of any species form a significant proportion (i.e., 1% or more) of the national non-breeding population estimates as detailed in Woodward, et al. (2020) (Ref. 20).
- 4.2.9 There are no published data regarding the populations of non-breeding bird species in East Riding of Yorkshire. Therefore, using professional judgement, the majority of individuals of species recorded were all relatively low and are unlikely to represent significant proportions (i.e., 1% or more) of the county populations in East Riding of Yorkshire. Therefore, the majority of species populations occurring within the Site are considered to be of no more than local importance. However, the peak count of skylark (142) may be of greater importance within the district and therefore a precautionary assumption of district importance has been made for this species.

Species Diversity

- 4.2.10 Professional judgement was used to evaluate the number of species recorded within the Survey Area and in each discrete habitat type to assess species diversity.

- 4.2.11 The number of species recorded across the Survey Area was 72 and would place the importance of the species diversity occurring within the Site as being of county importance.
- 4.2.12 Evaluation was also made of the species assemblage and numbers recorded during surveys of the Scheme with respect to criteria for selection of Local Wildlife Sites (as detailed in Section 2.3.6 of this appendix) in the East Riding of Yorkshire. None of the criterion for selection are met by the Site.
- 4.2.13 Evaluation of the North Yorkshire SINC selection criteria (see Section 2.3.7) against the parts of the Site (i.e., Grid Connection Corridor) and non-breeding species and assemblages recorded during field surveys. None of the criterion for selection are met by the parts of the Site within North Yorkshire.

Species Distribution

- 4.2.14 The location of Annex 1 species and BoCC Red and Amber-listed bird species, (see **Table 2**) are presented in **Figures 1-3** in **Annex A** of this appendix. In general, concentrations of species were found within the most suitable habitats to support each individual species' needs (i.e., species reliant on woodland habitat were found within woodland habitat on the Site, etc.).

Evaluation of key habitat types for non-breeding birds

- 4.2.15 A summary of the broad habitat types present in the Survey Area and their key ornithological features, are presented in **Table 3**.

Table 3. Key ornithological features of habitat within the Survey Area

Broad habitat type	Key ornithological features
Small waterbodies/ ponds	Often supports species associated with wetland features, such as mallard and teal.
Rivers	Often supports wetland species, such as teal and wigeon occurring on the River Ouse and around the River Derwent.
Arable farmland	The predominant habitat type occurring within the Site and wider landscape beyond the Survey Area. Regularly supports seed-eating passerines, including skylark, yellowhammer and linnet, found throughout. Occasional use, of larger open compartments, by golden plover, lapwing and pink-footed goose.
Scrub/ hedgerows	Frequently occurring habitat within the Site of varying quality. Regularly supports species such as yellowhammer, dunnock, song thrush and bullfinch.
Mature trees/ woodland	Parcels of woodland and individual trees scattered within the Site. Regularly supports species such as song thrush, as well as species often found in scrub and hedgerows. Individual species of conservation interest, but limited species abundance and diversity.

5. Conclusions

- 5.1.1 A total of 72 bird species were recorded during wintering bird surveys for the Scheme. Of these 72 bird species, 46 species meet at least one of a range of criteria relating to conservation importance (see **Table 2**), as detailed in Section 2 of this appendix.
- 5.1.2 The species populations within the Site do not represent a significant proportion (i.e., 1% or more) of the county or national populations when evaluated against published data and therefore, likely to only be of local value.
- 5.1.3 The population of skylark occurring within the Site are of greater than local importance and are evaluated as being of district importance.
- 5.1.4 Species diversity (72 species) is of county importance, based on the number of species recorded.

6. References

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- Ref. 3 HMSO (2018). Conservation of Habitats and Species Regulations 2017 (as amended).
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- Ref. 5 HMSO (2006). The Natural Environment and Rural Communities Act 2006 (as amended).
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- Ref. 8 East Riding of Yorkshire Council (2010). East Riding of Yorkshire Biodiversity Action Plan Strategy.
- Ref. 9 North Yorkshire County Council, Selby District Council and the Selby BAP Partnership (2004). The Selby Biodiversity Action Plan.
- Ref. 10 Stanbury, A., Eaton, M., Aebischer, N., Balmer, D., Brown, A., Douse, A., Lindley, P., McCulloch, N., Noble, D., and 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: 723-747.
- Ref. 11 IUCN (2023). Guidelines for Using the IUCN Red List Categories and Criteria. Available at: <https://www.iucnredlist.org/resources/redlistguidelines> [Accessed 10/10/23].
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- Ref. 15 Balmer, D., Gillings, G., Caffrey, B., Swann, B., Downie, I. and Fuller, R., (2013). *Bird Atlas 2007-11: The Breeding and Wintering Birds of Britain and Ireland*. BTO.
- Ref. 16 Gillespie (2001). Local Sites in the East Riding of Yorkshire. Part B. LWS Site Selection Guidelines. Available at: <https://www.eastriding.gov.uk/EasySiteWeb/GatewayLink.aspx?allId=229423> [Accessed April 2023].

- Ref. 17 North Yorkshire SINC Panel (2009). Sites of Importance for Nature Conservation in North Yorkshire, (Outside the Yorkshire Dales and North York Moors National Parks boundaries): Guidelines for Site Selection. Accessed July 2023.
- Ref. 18 CIEEM (2018). Guidelines for Ecological Impact Assessment in the United Kingdom: Terrestrial, Freshwater, Coastal and Marine.
- Ref. 19 Austin et al. (2008). Humber Estuary SPA Waterbird Populations: Trend Analysis by Count Sector. BTO Research Report No.497.
- Ref. 20 Woodward, I., Aebischer, N., Burnell, D., Eaton, M., Frost, T., Hall, C., Stroud, D.A. & Noble, D. (2020). Population estimates of birds in Great Britain and the United Kingdom. *British Birds* 113: 69-104.

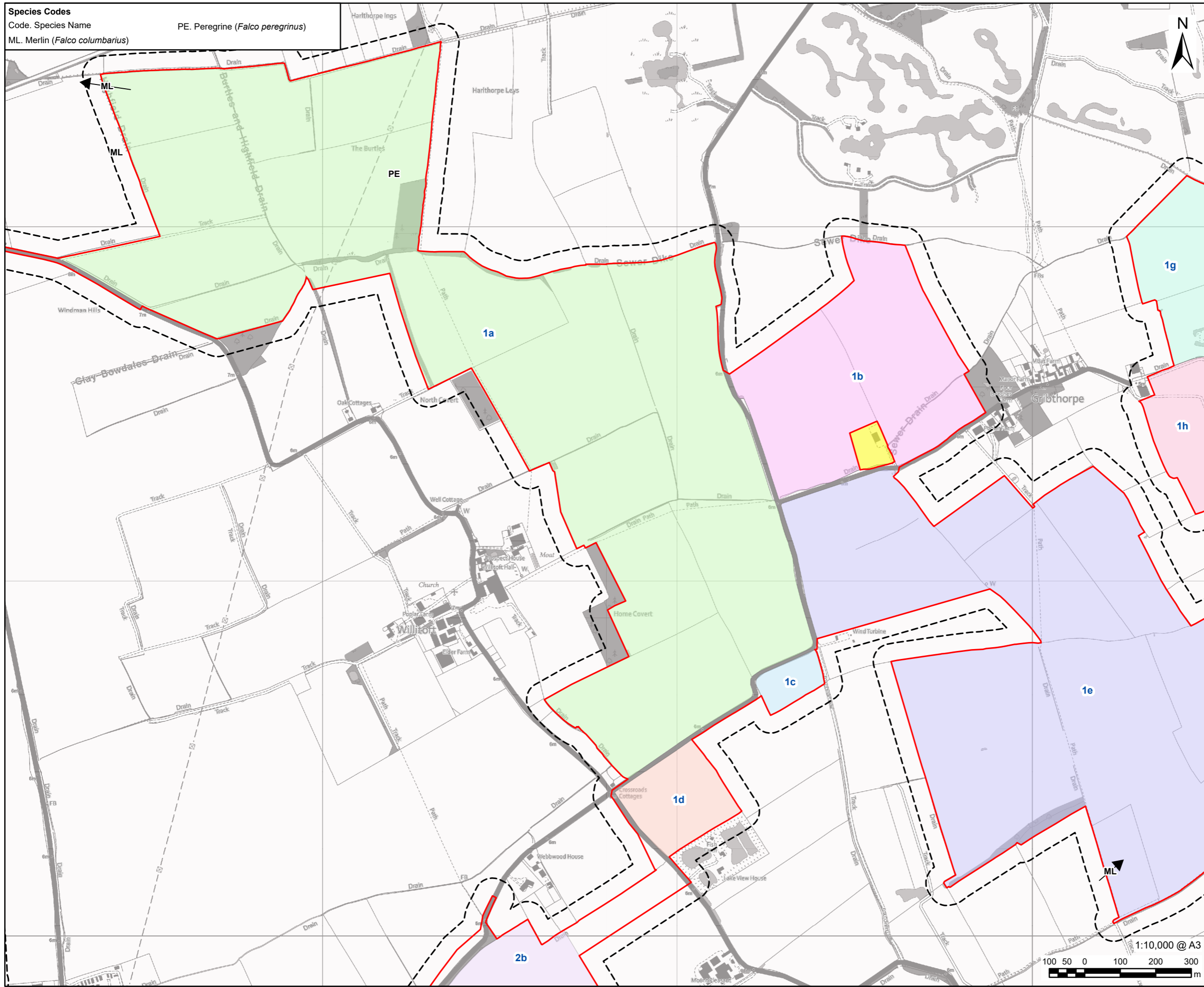
Abbreviations

Abbreviation/Term	Definition
BAP	Biodiversity Action Plan
BoCC	Birds of Conservation Concern
BTO	British Trust for Ornithology
CWS	County Wildlife Site
DCO	Development Consent Order
ERYBAP	East Riding of Yorkshire Biodiversity Action Plan
EU	European Union
IUCN	International Union for Conservation of Nature and Natural Resources
JNCC	Joint Nature Conservation Committee
km	kilometres
LWS	Local Wildlife Site
m	metres
NERC Act	Natural Environment and Rural Communities Act 2006
NEYEDC	North and East Yorkshire Ecological Data Centre
PV	Photovoltaic
RBBP	Rare Breeding Birds Panel
RSBP	Royal Society for the Protection of Birds
SBAP	Selby Biodiversity Action Plan
SINCS	Sites of Importance for Nature Conservation
SPA	Special Protection Area
SSSI	Site of Special Scientific Interest
UKBAP	UK Biodiversity Action Plan
WCA	Wildlife and Countryside Act 1981
WeBS	Wetland Bird Survey


Glossary of Frequently Used Terms

Term	Definition
Biodiversity Action Plan	A programme addressing threatened species and/or habitats.
Birds of Conservation Concern	An assessment of the conservation status of all regularly occurring British birds.
Priority Habitat	Habitats deemed to be of principal importance for the purpose of conserving biodiversity, being listed in the UK Biodiversity Action Plan.
Priority Species	49 bird species that are listed as being Species of Principal Importance for conservation in England under Section 41 of the Natural Environment and Rural Communities Act 2006
Red/Amber/Green List	Indicate the level of conservation importance for each species, which are derived from quantitative assessments from standardised criteria and are drawn together by the UK's leading bird conservation organisations, including the Royal Society for the Protection of Birds (RSPB) and British Trust for Ornithology (BTO).
Skein	A flock of wildfowl in flight.
Specially Protected Species	Species listed of Schedule 1 of the Wildlife and Countryside Act 1981 or the EU Birds Directive
Species Abundance	A measure of the total number of individuals of a particular species in a defined area, population, or community.
Species Distribution	The locations of Priority Species, BoCC Red-listed species and Specially Protected Species.
Species Diversity	The number of different species present in a place and relative abundance of each of those species.
Survey Area	All habitats within the Site and a minimum 50m survey buffer from the Order limits.

Annex A – Figures



Species Codes	
Code	Species Name
PE	Peregrine (<i>Falco peregrinus</i>)
ML	Merlin (<i>Falco columbarius</i>)



AECOM

PROJECT
East Yorkshire Solar Farm

CLIENT
East Yorkshire Solar Farm Limited

CONSULTANT
AECOM Limited
Midpoint,
Alencon Link
Basingstoke, RG21 7PP
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LEGEND

- Order limits
- Land not included in the Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)

Solar PV Site (xx = Solar PV Area)

- 1a
- 1b
- 1c
- 1d
- 1e
- 2b

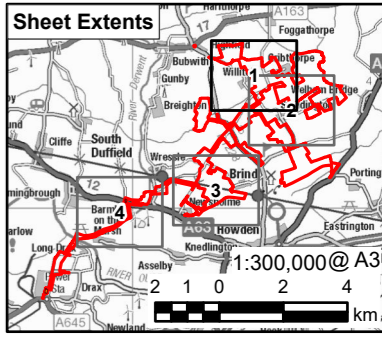
Ecology Mitigation Area (xx = Ecology Mitigation Area)

- 1g
- 1h

Activity Symbols

- f Feeding
- = Territorial/Alarm Call
- Calling
- Flight

Sheet Extents



1:300,000 @ A3

NOTES

Bird Species, activity symbol and flight line colour indicates Annex 1 bird species. Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

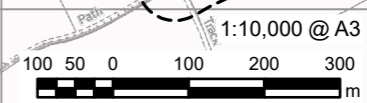
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Environmental Statement

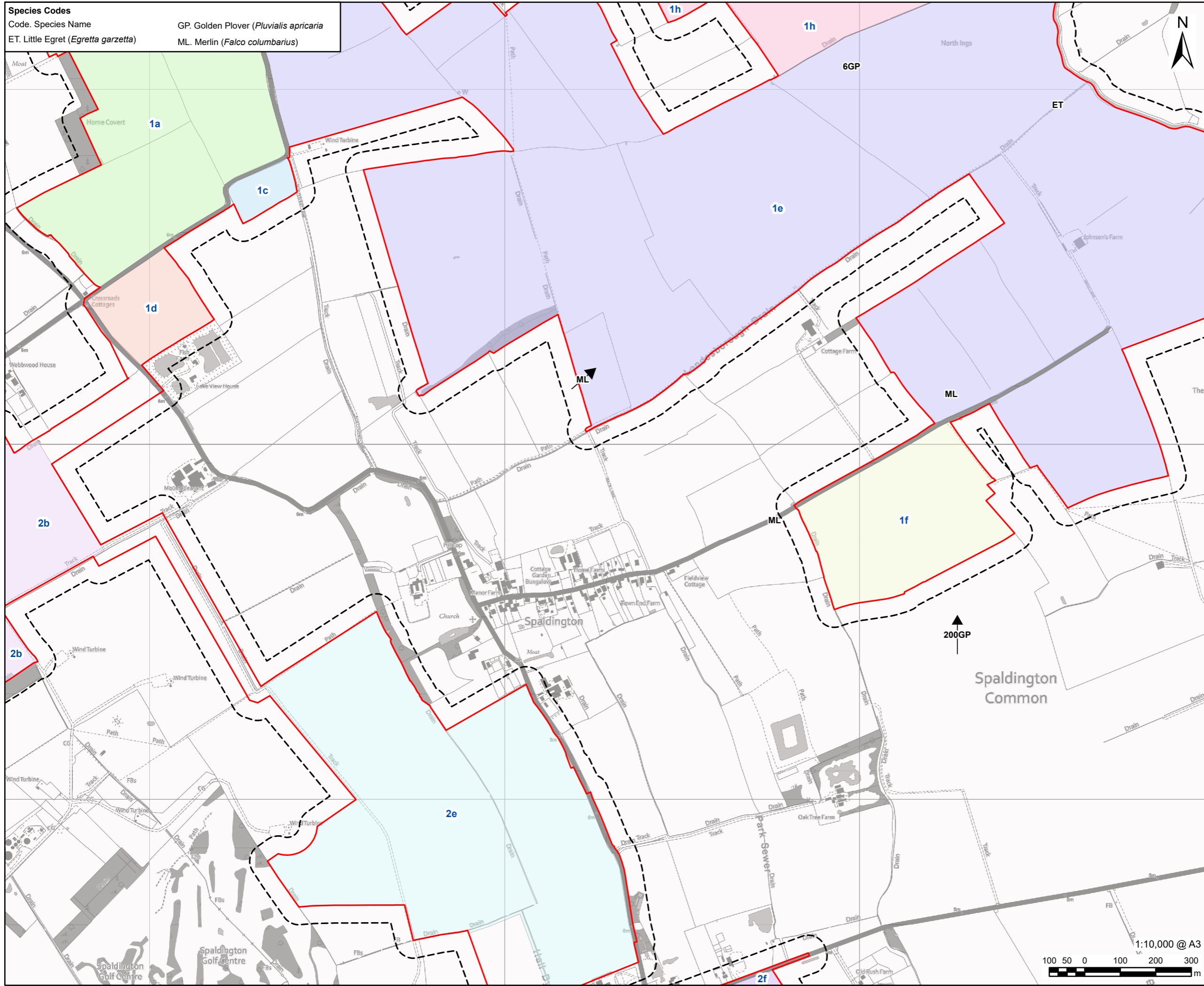
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FIGURE TITLE
Non-breeding Birds: Distribution of Annex 1 Species
Sheet 1 of 4

FIGURE NUMBER
Appendix 8-6-1



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Species Codes	
Code	Species Name
GP	Golden Plover (<i>Pluvialis apricaria</i>)
ET	Little Egret (<i>Egretta garzetta</i>)
ML	Merlin (<i>Falco columbarius</i>)



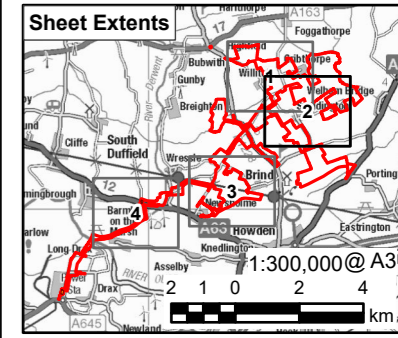
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LEGEND

- Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)
- Solar PV Site (xx = Solar PV Area)**
- 1a
- 1b
- 1c
- 1d
- 1e
- 1f
- 2b
- 2e
- 2f
- Ecology Mitigation Area (xx = Ecology Mitigation Area)**
- 1h
- Activity Symbols:**
- food Feeding
- ≡ Territorial/Alarm Call
- Calling
- Flight



NOTES

Bird Species, activity symbol and flight line colour indicates Annex 1 bird species. Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

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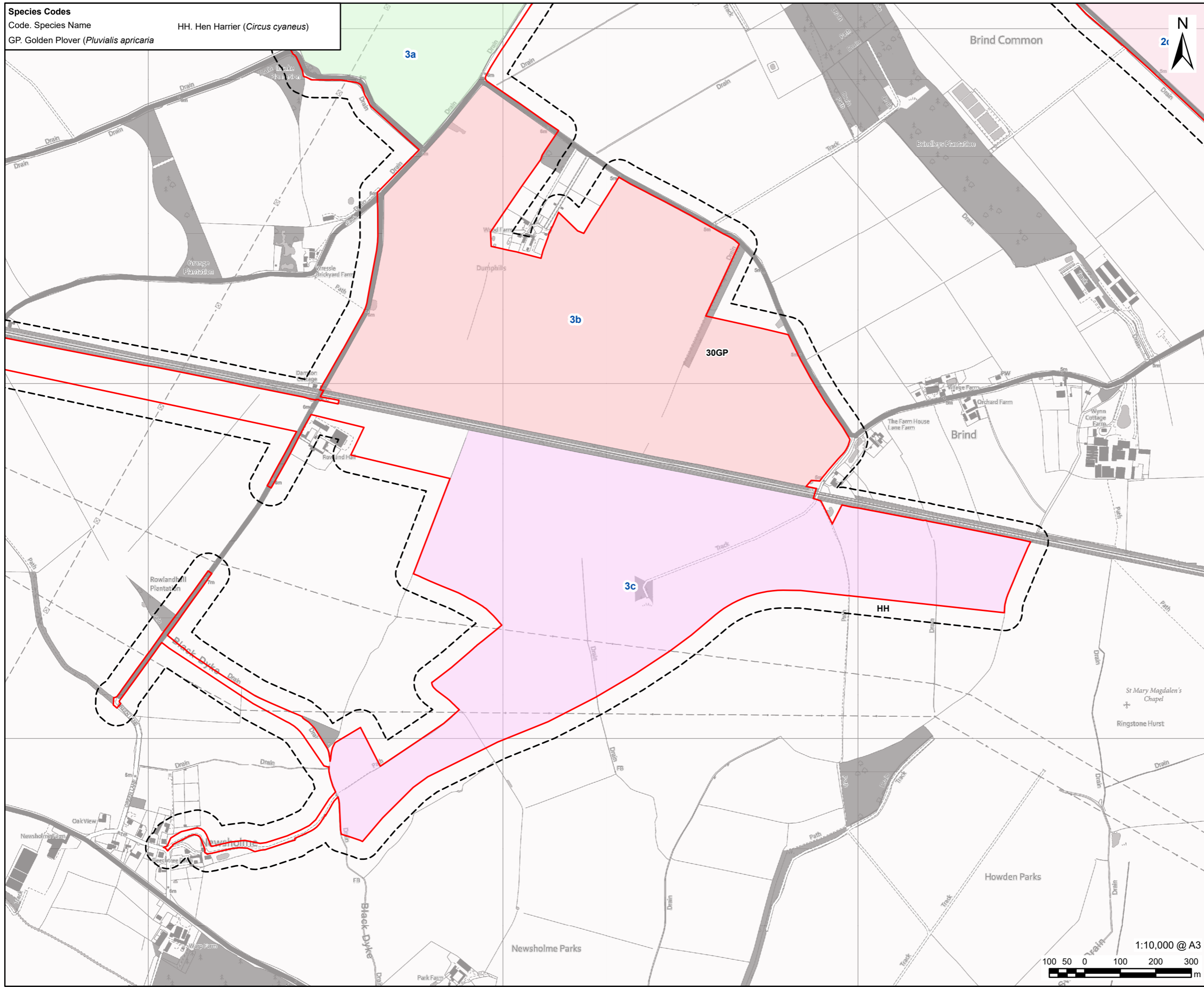
FIGURE TITLE

Non-breeding Birds: Distribution of Annex 1 Species
Sheet 2 of 4

FIGURE NUMBER

Appendix 8-6-1

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Species Codes	
Code	Species Name
HH	Hen Harrier (<i>Circus cyaneus</i>)
GP	Golden Plover (<i>Pluvialis apricaria</i>)

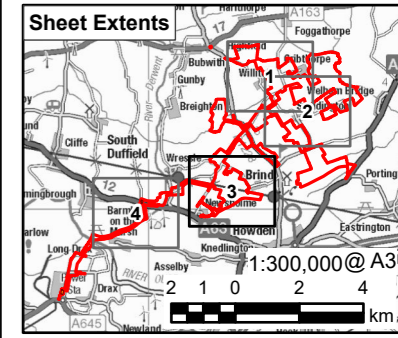


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- LEGEND**
- Order limits
 - Wintering Bird Survey Area (50m Buffer of the Order limits)
 - Solar PV Site (xx = Solar PV Area)**
 - 2d
 - 3a
 - 3b
 - 3c
 - food** Feeding
 - Territorial/Alarm Call
 - Calling
 - Flight



NOTES

Bird Species, activity symbol and flight line colour indicates Annex 1 bird species. Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

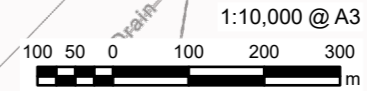
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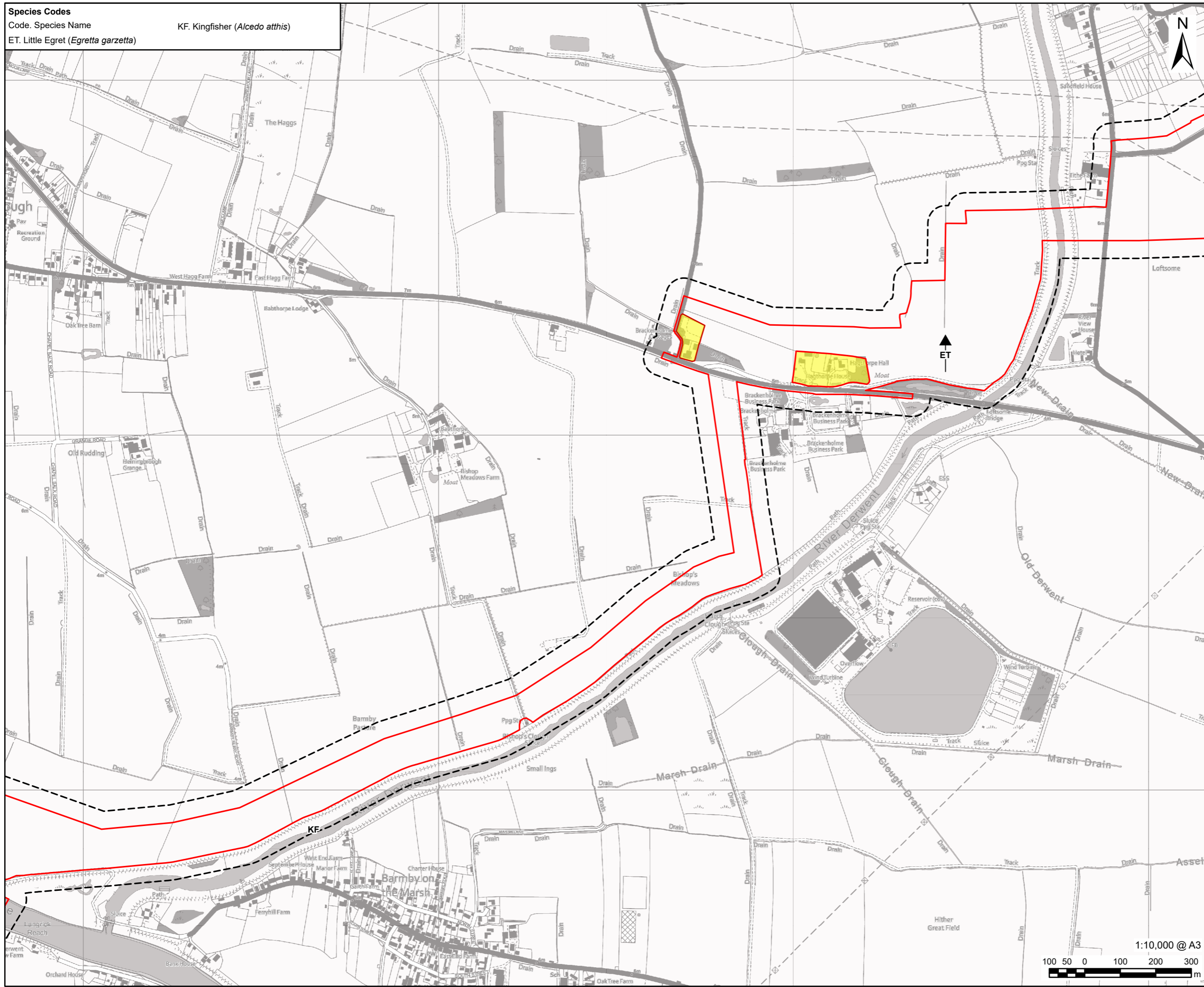
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FIGURE TITLE
Non-breeding Birds: Distribution of Annex 1 Species
Sheet 3 of 4

FIGURE NUMBER
Appendix 8-6-1



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Species Codes	Code	Species Name
KF	Kingfisher	<i>Alcedo atthis</i>
ET	Little Egret	<i>Egretta garzetta</i>

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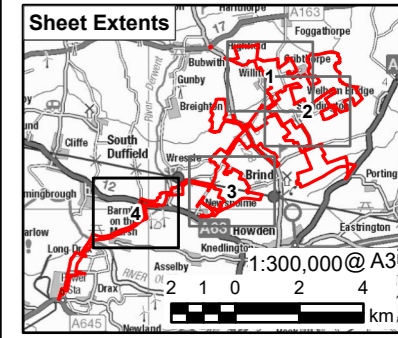
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LEGEND

- Order limits
- Land not included in the Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)
- f Feeding
- Territorial/Alarm Call
- Calling
- Flight



NOTES

Bird Species, activity symbol and flight line colour indicates Annex 1 bird species. Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

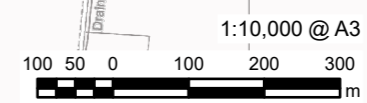
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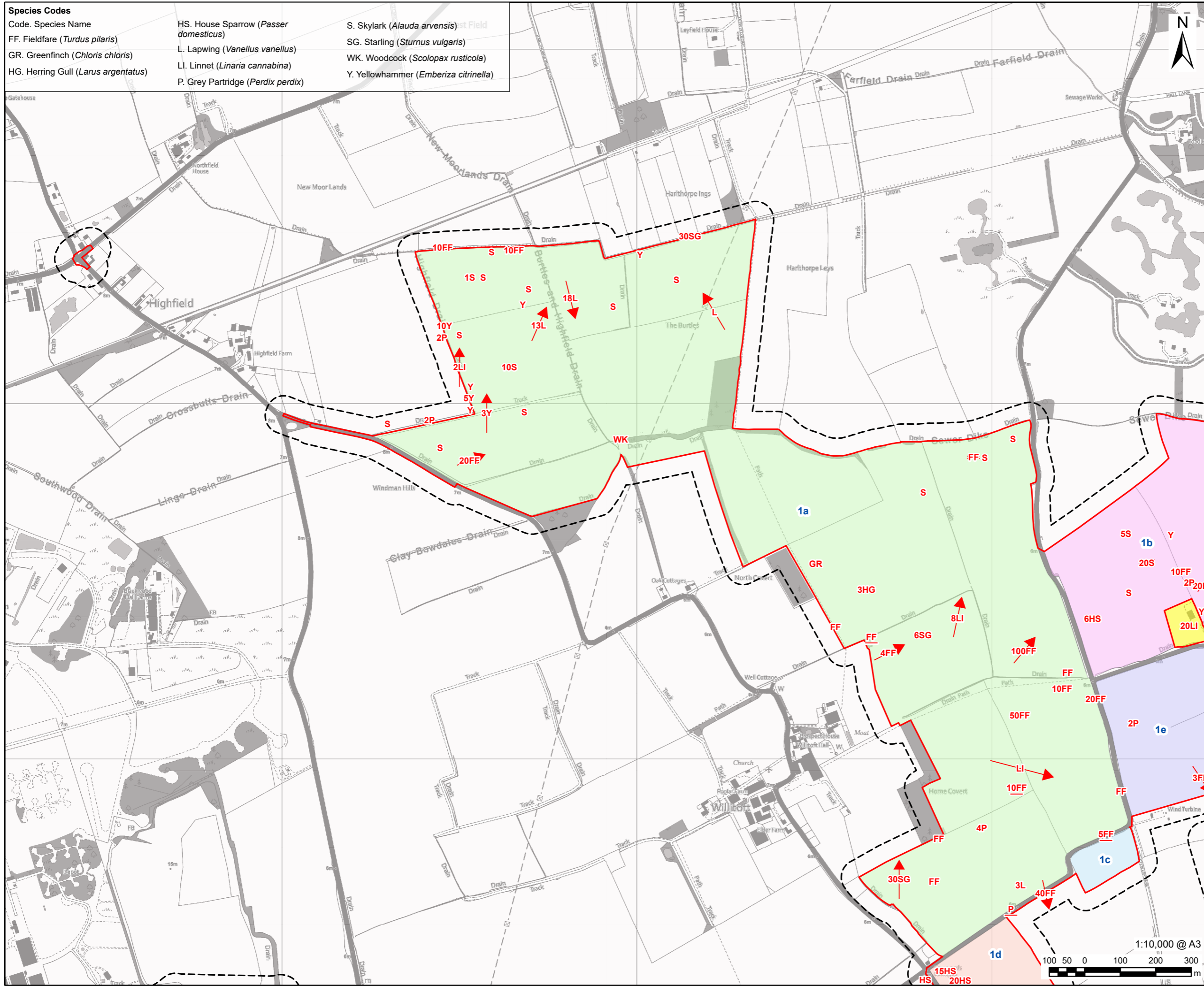
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FIGURE TITLE
Non-breeding Birds: Distribution of Annex 1 Species
Sheet 4 of 4

FIGURE NUMBER
Appendix 8-6-1



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Species Codes		
Code	Species Name	
FF	Fieldfare (<i>Turdus pilaris</i>)	S. Skylark (<i>Alauda arvensis</i>)
GR	Greenfinch (<i>Chloris chloris</i>)	SG. Starling (<i>Sturnus vulgaris</i>)
HG	Herring Gull (<i>Larus argentatus</i>)	L. Lapwing (<i>Vanellus vanellus</i>)
		WK. Woodcock (<i>Scolopax rusticola</i>)
		Y. Yellowhammer (<i>Emberiza citrinella</i>)
		P. Grey Partridge (<i>Perdix perdix</i>)

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LEGEND

- Order limits
- Land not included in the Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)

Solar PV Site (xx = Solar PV Area)

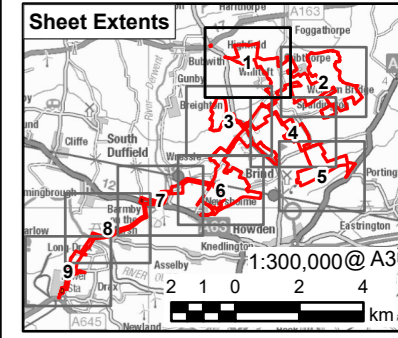
- 1a
- 1b
- 1c
- 1d
- 1e

→ Flight

food Feeding

Territorial/Alarm Call

Calling



NOTES

Bird Species, activity symbol and flight line colour indicates conservation status (BOCC 2015). Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

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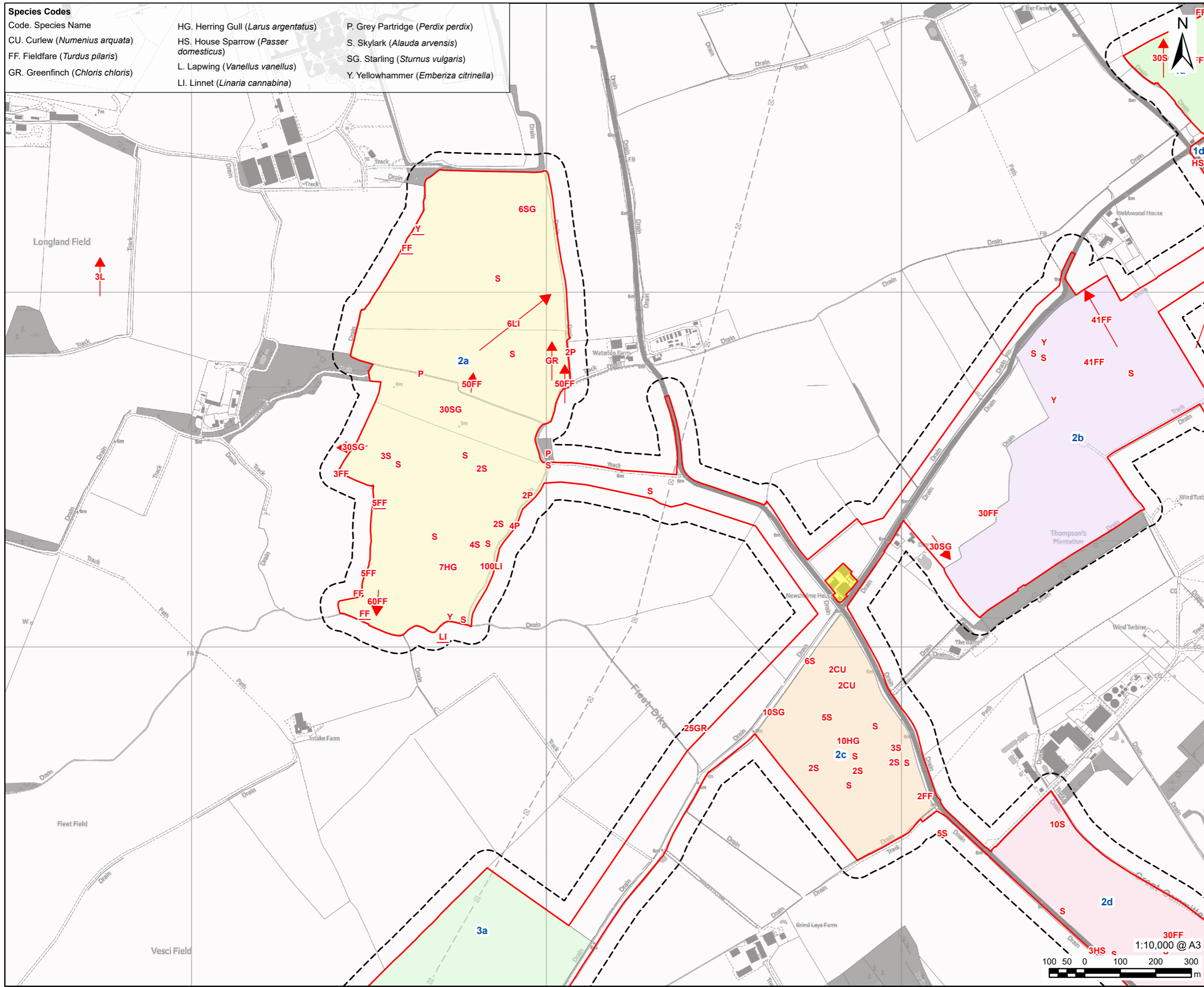
ISSUE PURPOSE
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PROJECT NUMBER
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FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Red-listed species
Sheet 1 of 9

FIGURE NUMBER
Appendix 8-6-2

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Species Codes					
Code	Species Name				
CU	Curlew (<i>Numenius arquata</i>)	HG	Herring Gull (<i>Larus argentatus</i>)	P	Grey Partridge (<i>Perdix perdix</i>)
FF	Fieldfare (<i>Turdus pilaris</i>)	HS	House Sparrow (<i>Passer domesticus</i>)	S	Skylark (<i>Alauda arvensis</i>)
GR	Greenfinch (<i>Chloris chloris</i>)	L	Lapwing (<i>Vanellus vanellus</i>)	SG	Starling (<i>Sturnus vulgaris</i>)
		LI	Linnet (<i>Linaria cannabina</i>)	Y	Yellowhammer (<i>Emberiza citrinella</i>)

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LEGEND

- Order limits
- Land not included in the Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)

Solar PV Site (xx = Solar PV Area)

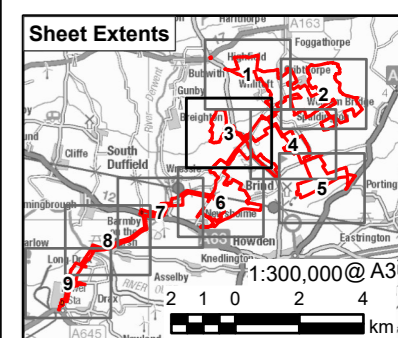
- 1a
- 1d
- 2a
- 2b
- 2c
- 2d
- 3a

→ Flight

FF Feeding

≡ Territorial/Alarm Call

— Calling



NOTES

Bird Species, activity symbol and flight line colour indicates conservation status (BOCC 2015). Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

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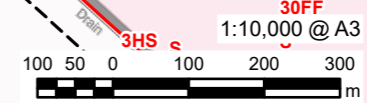
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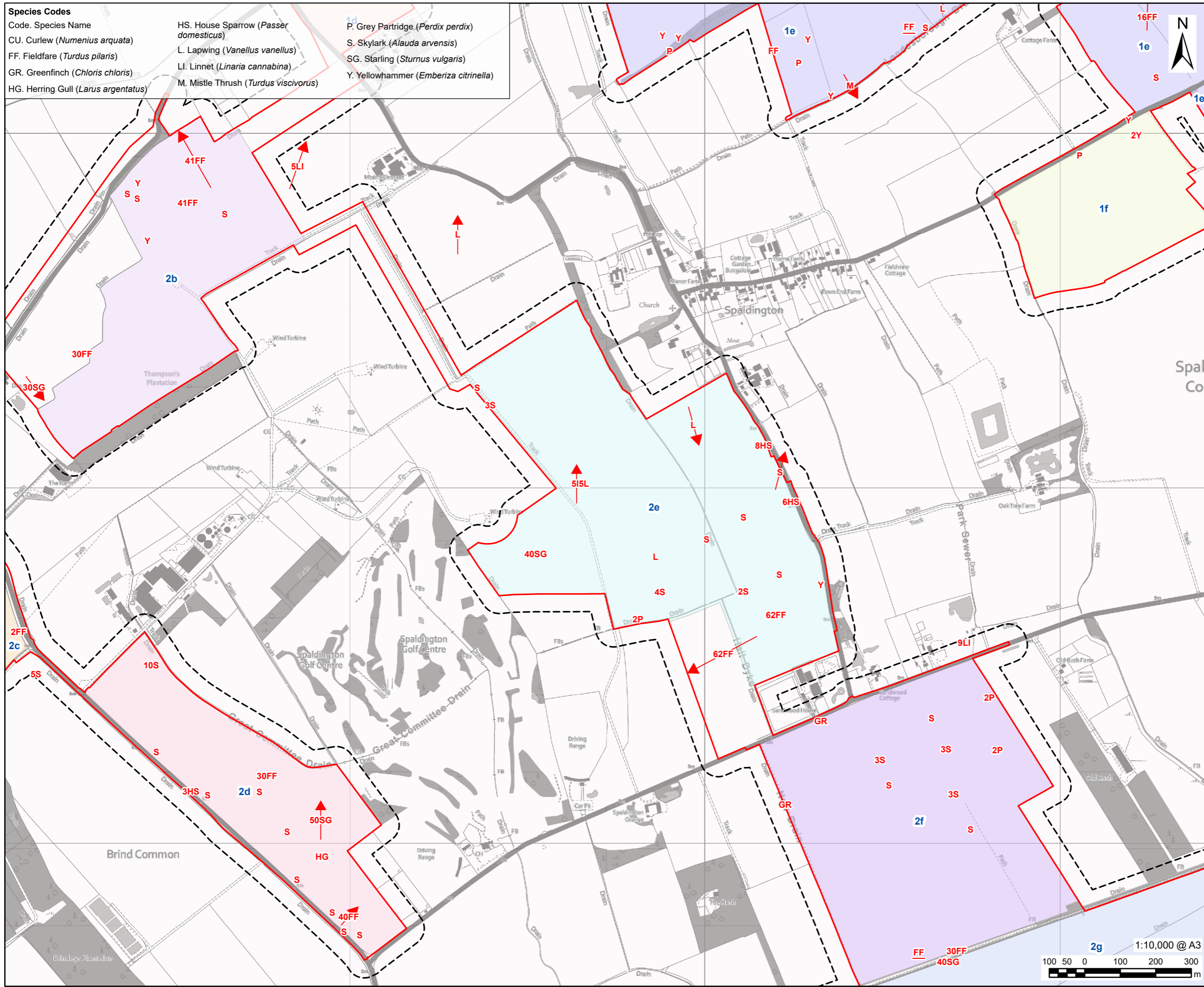
PROJECT NUMBER
60683115

FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Red-listed species
Sheet 3 of 9

FIGURE NUMBER
Appendix 8-6-2

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Species Codes		
Code	Species Name	
CU	Curlew (<i>Numenius arquata</i>)	
FF	Fieldfare (<i>Turdus pilaris</i>)	
GR	Greenfinch (<i>Chloris chloris</i>)	
HG	Herring Gull (<i>Larus argentatus</i>)	
HS	House Sparrow (<i>Passer domesticus</i>)	
L	Lapwing (<i>Vanellus vanellus</i>)	
LI	Linnet (<i>Linaria cannabina</i>)	
M	Mistle Thrush (<i>Turdus viscivorus</i>)	
P	Grey Partridge (<i>Perdix perdix</i>)	
S	Skylark (<i>Alauda arvensis</i>)	
SG	Starling (<i>Sturnus vulgaris</i>)	
Y	Yellowhammer (<i>Emberiza citrinella</i>)	

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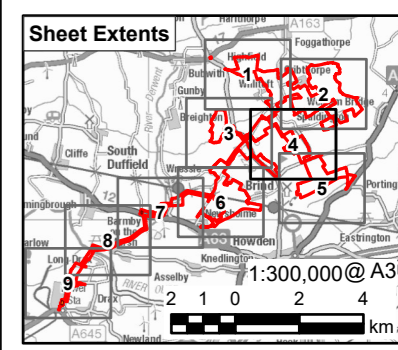
LEGEND

- Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)

Solar PV Site (xx = Solar PV Area)

- 1d
- 1e
- 1f
- 2b
- 2c
- 2d
- 2e
- 2f
- 2g

- Flight
- Feeding
- Territorial/Alarm Call
- Calling



NOTES

Bird Species, activity symbol and flight line colour indicates conservation status (BOCC 2015). Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

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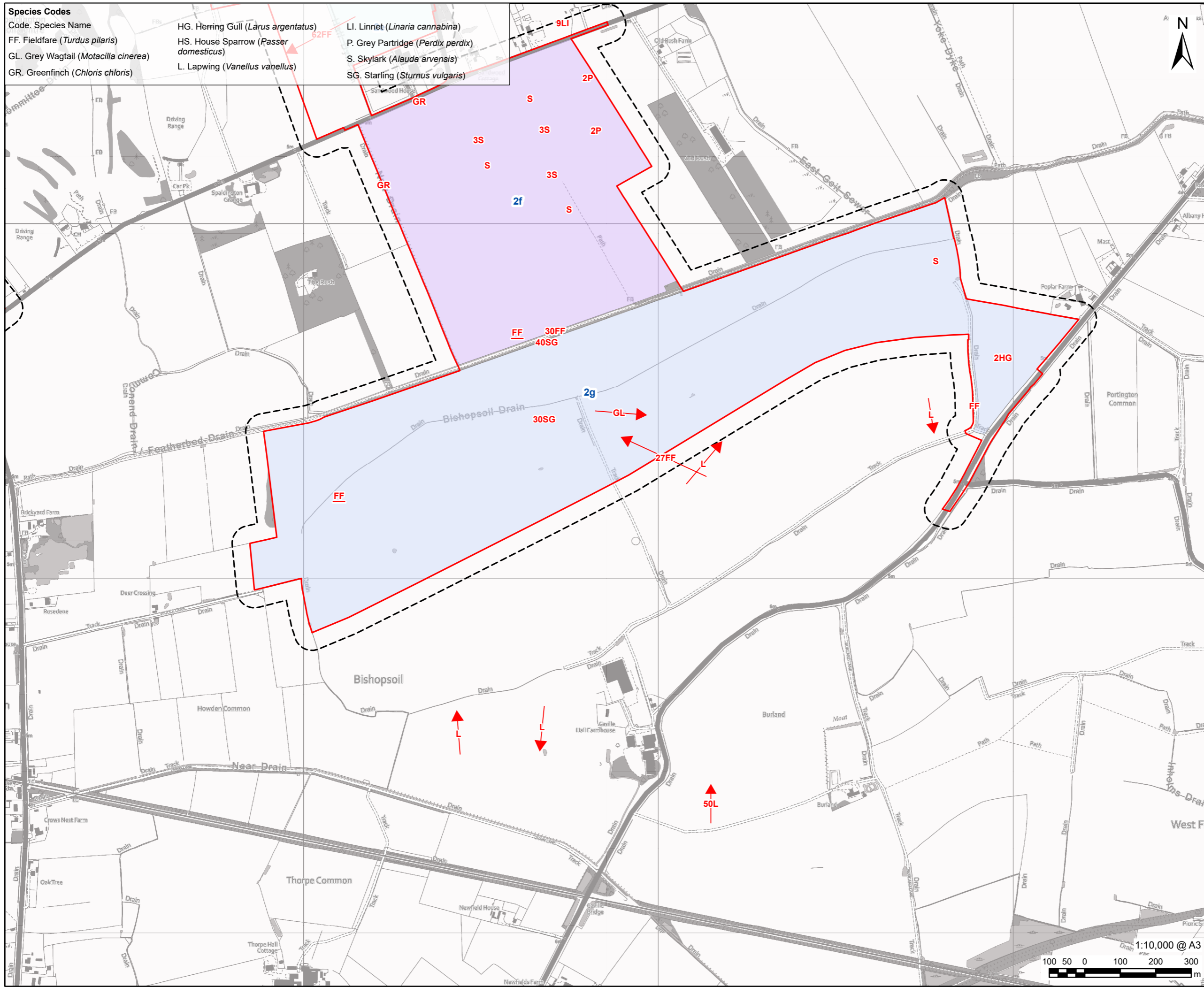
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Environmental Statement

PROJECT NUMBER
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FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Red-listed species
Sheet 4 of 9

FIGURE NUMBER
Appendix 8-6-2

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Species Codes		
Code	Species Name	
FF	Fieldfare (<i>Turdus pilaris</i>)	HG. Herring Gull (<i>Larus argentatus</i>)
GL	Grey Wagtail (<i>Motacilla cinerea</i>)	HS. House Sparrow (<i>Passer domesticus</i>)
GR	Greenfinch (<i>Chloris chloris</i>)	L. Lapwing (<i>Vanellus vanellus</i>)
		LI. Linnet (<i>Linaria cannabina</i>)
		P. Grey Partridge (<i>Perdix perdix</i>)
		S. Skylark (<i>Alauda arvensis</i>)
		SG. Starling (<i>Sturnus vulgaris</i>)

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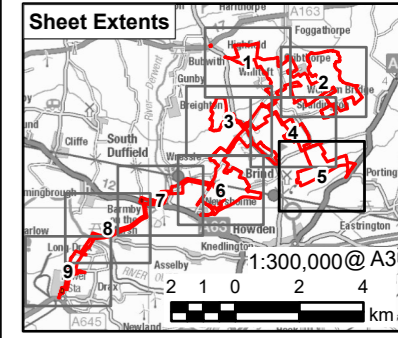
LEGEND

- Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)

Solar PV Site (xx = Solar PV Area)

- 2d
- 2e
- 2f
- 2g

- Flight
- Feeding
- Territorial/Alarm Call
- Calling



NOTES

Bird Species, activity symbol and flight line colour indicates conservation status (BOCC 2015). Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

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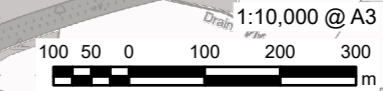
ISSUE PURPOSE
Environmental Statement

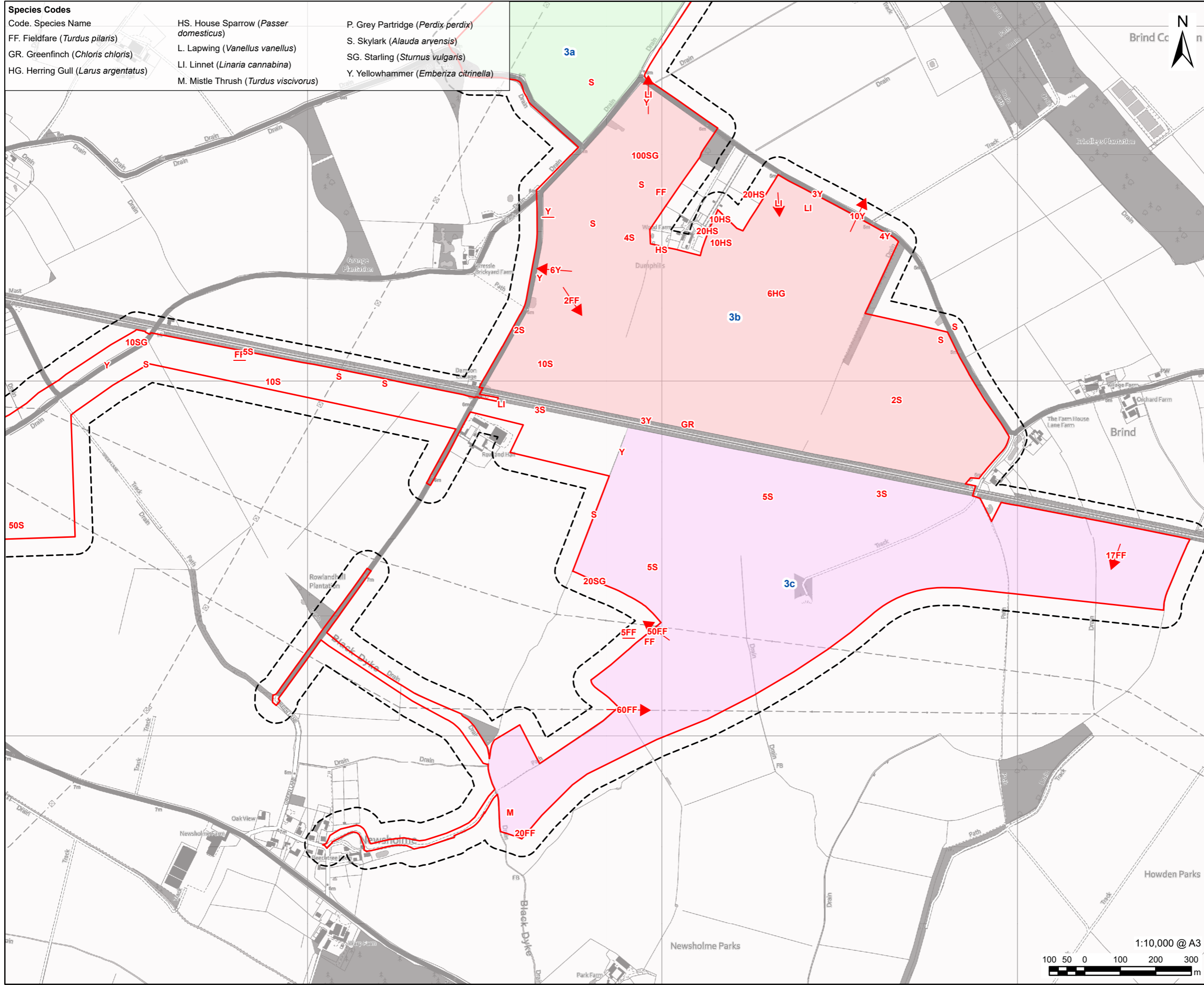
PROJECT NUMBER
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FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Red-listed species
Sheet 5 of 9

FIGURE NUMBER
Appendix 8-6-2

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Species Codes		
Code	Species Name	
FF	Fieldfare (<i>Turdus pilaris</i>)	HS. House Sparrow (<i>Passer domesticus</i>)
GR	Greenfinch (<i>Chloris chloris</i>)	L. Lapwing (<i>Vanellus vanellus</i>)
HG	Herring Gull (<i>Larus argentatus</i>)	LI. Linnet (<i>Linaria cannabina</i>)
		M. Mistle Thrush (<i>Turdus viscivorus</i>)
		P. Grey Partridge (<i>Perdix perdix</i>)
		S. Skylark (<i>Alauda arvensis</i>)
		SG. Starling (<i>Sturnus vulgaris</i>)
		Y. Yellowhammer (<i>Emberiza citrinella</i>)

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LEGEND

- Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)

Solar PV Site (xx = Solar PV Area)

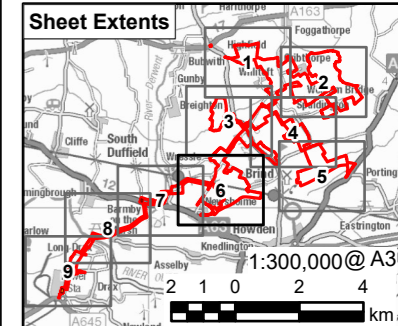
- 3a
- 3b
- 3c

Flight

Feeding

Territorial/Alarm Call

Calling



NOTES

Bird Species, activity symbol and flight line colour indicates conservation status (BOCC 2015). Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

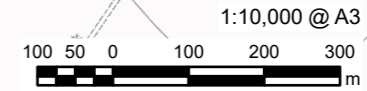
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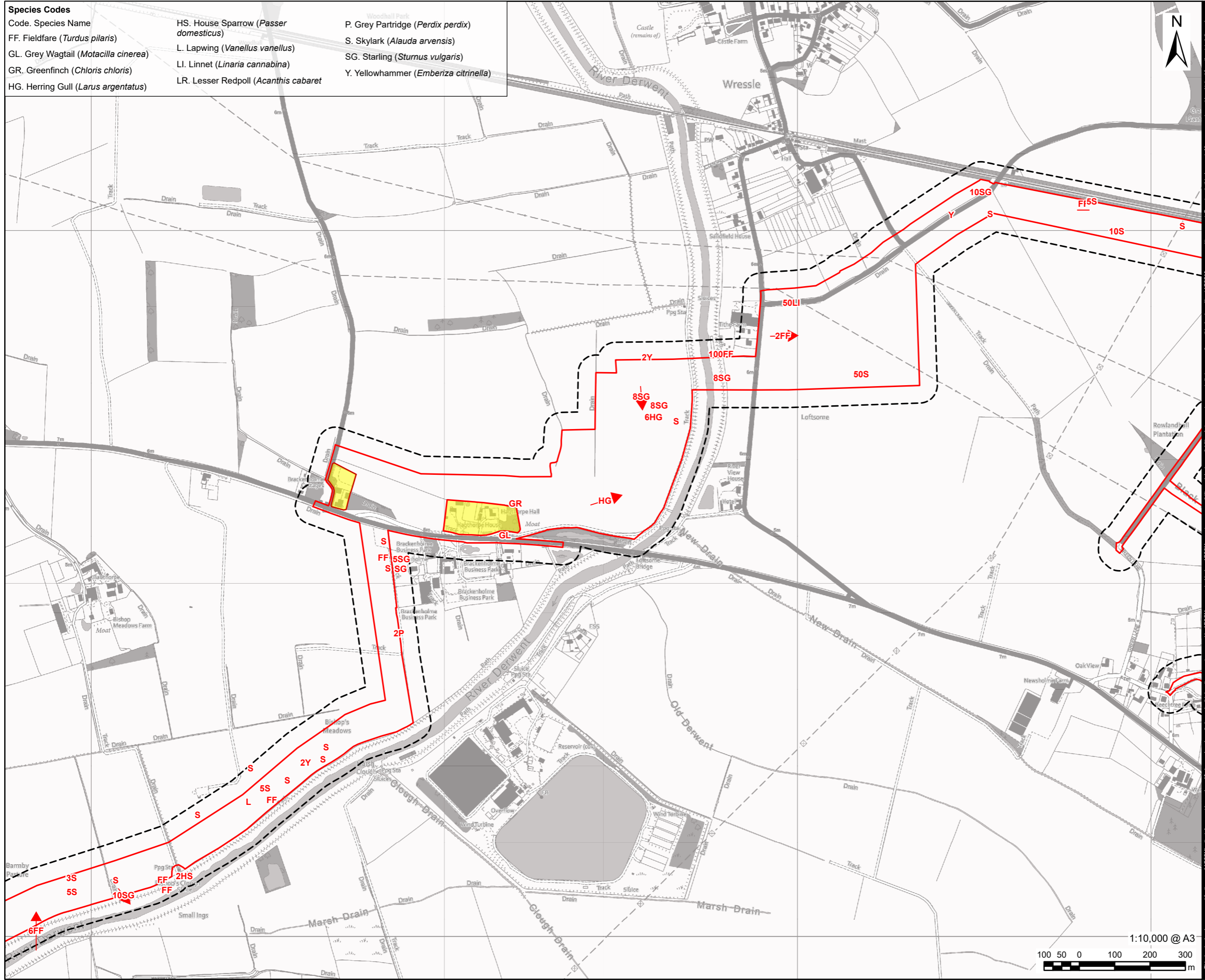
FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Red-listed species
Sheet 6 of 9

FIGURE NUMBER
Appendix 8-6-2



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Species Codes		
Code	Species Name	
FF	Fieldfare (<i>Turdus pilaris</i>)	HS. House Sparrow (<i>Passer domesticus</i>)
GL	Grey Wagtail (<i>Motacilla cinerea</i>)	L. Lapwing (<i>Vanellus vanellus</i>)
GR	Greenfinch (<i>Chloris chloris</i>)	LI. Linnet (<i>Linaria cannabina</i>)
HG	Herring Gull (<i>Larus argentatus</i>)	LR. Lesser Redpoll (<i>Acanthis cabaret</i>)
		P. Grey Partridge (<i>Perdix perdix</i>)
		S. Skylark (<i>Alauda arvensis</i>)
		SG. Starling (<i>Sturnus vulgaris</i>)
		Y. Yellowhammer (<i>Emberiza citrinella</i>)



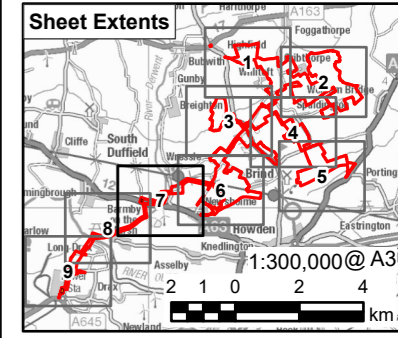
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- LEGEND**
- Order limits
 - Land not included in the Order limits
 - Wintering Bird Survey Area (50m Buffer of the Order limits)
 - Flight
 - food Feeding
 - = Territorial/Alarm Call
 - Calling



NOTES

Bird Species, activity symbol and flight line colour indicates conservation status (BOCC 2015). Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

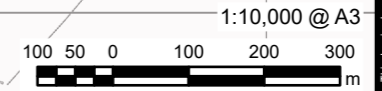
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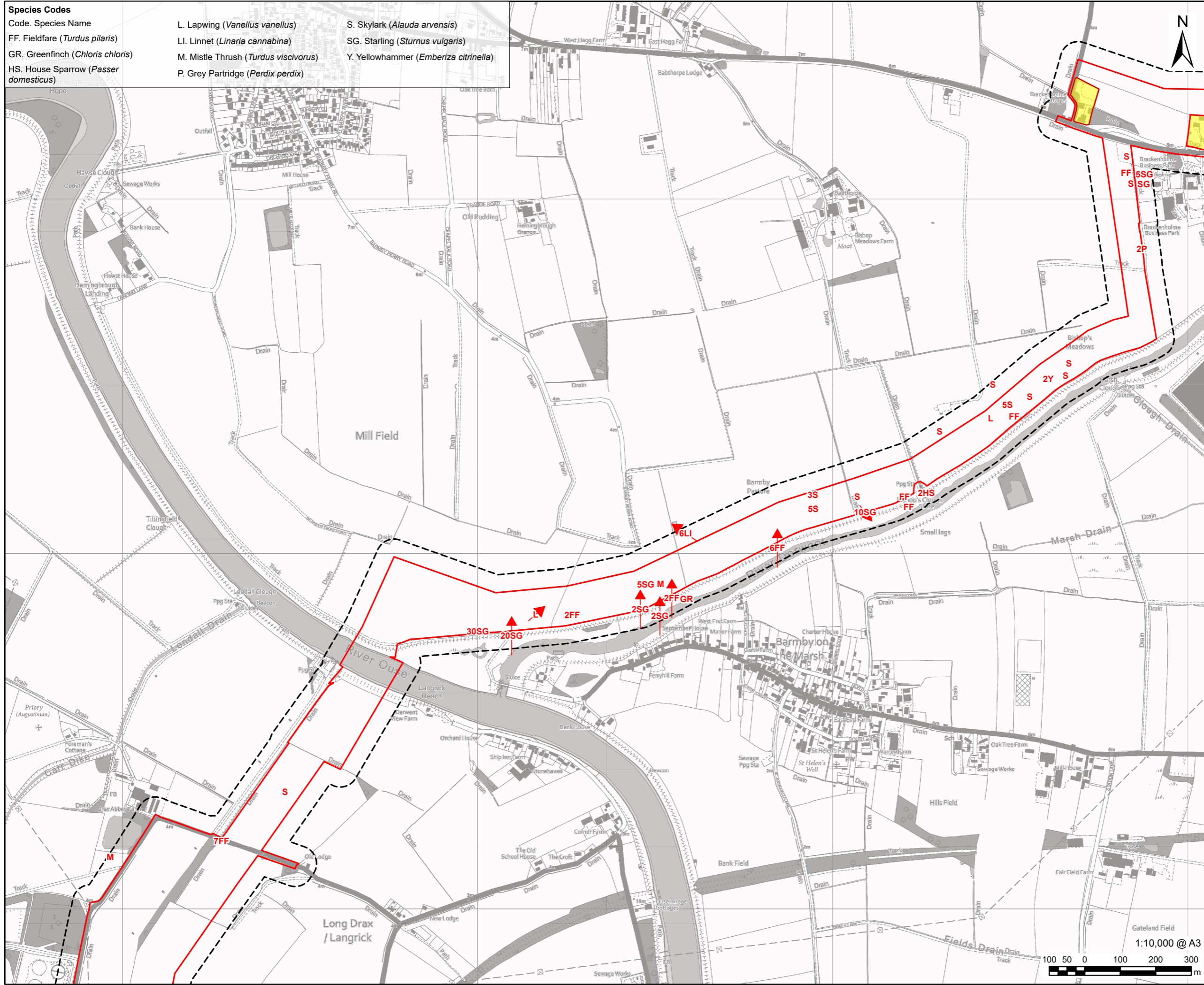
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FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Red-listed species
Sheet 7 of 9

FIGURE NUMBER
Appendix 8-6-2



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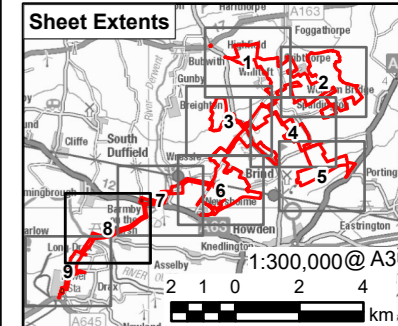
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LEGEND

- Order limits
- Land not included in the Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)
- Flight
- Feeding
- Territorial/Alarm Call
- Calling



NOTES

Bird Species, activity symbol and flight line colour indicates conservation status (BOCC 2015). Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

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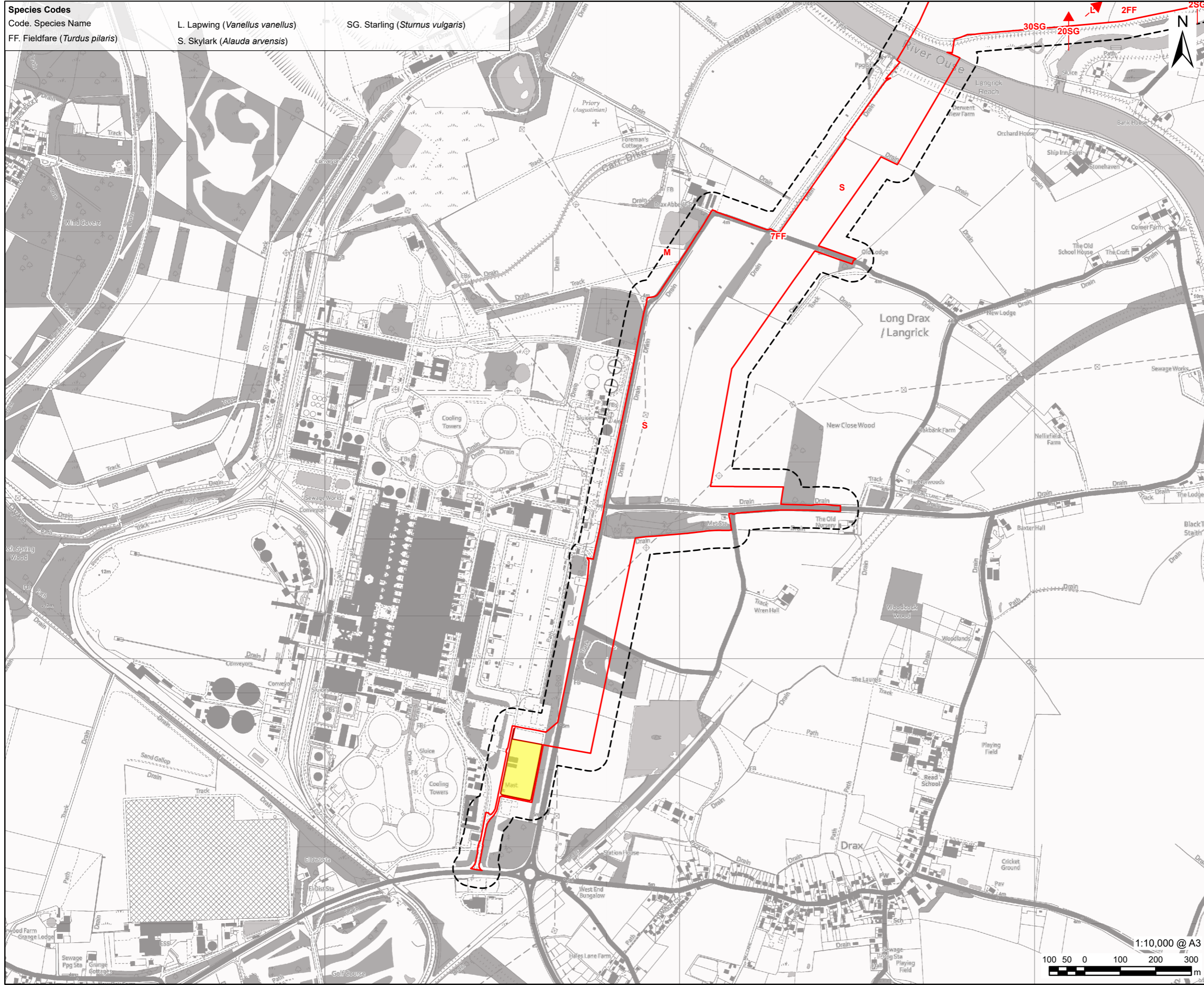
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FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Red-listed species
Sheet 8 of 9

FIGURE NUMBER
Appendix 8-6-2

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Species Codes		
Code	Species Name	
L	Lapwing (<i>Vanellus vanellus</i>)	SG. Starling (<i>Sturnus vulgaris</i>)
FF	Fieldfare (<i>Turdus pilaris</i>)	S. Skylark (<i>Alauda arvensis</i>)

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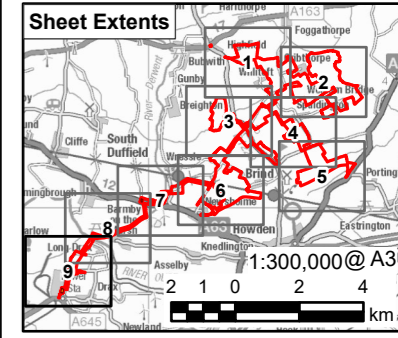
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LEGEND

- Order limits
- Land not included in the Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)
- Flight
- f Feeding
- T Territorial/Alarm Call
- C Calling



NOTES

Bird Species, activity symbol and flight line colour indicates conservation status (BOCC 2015). Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

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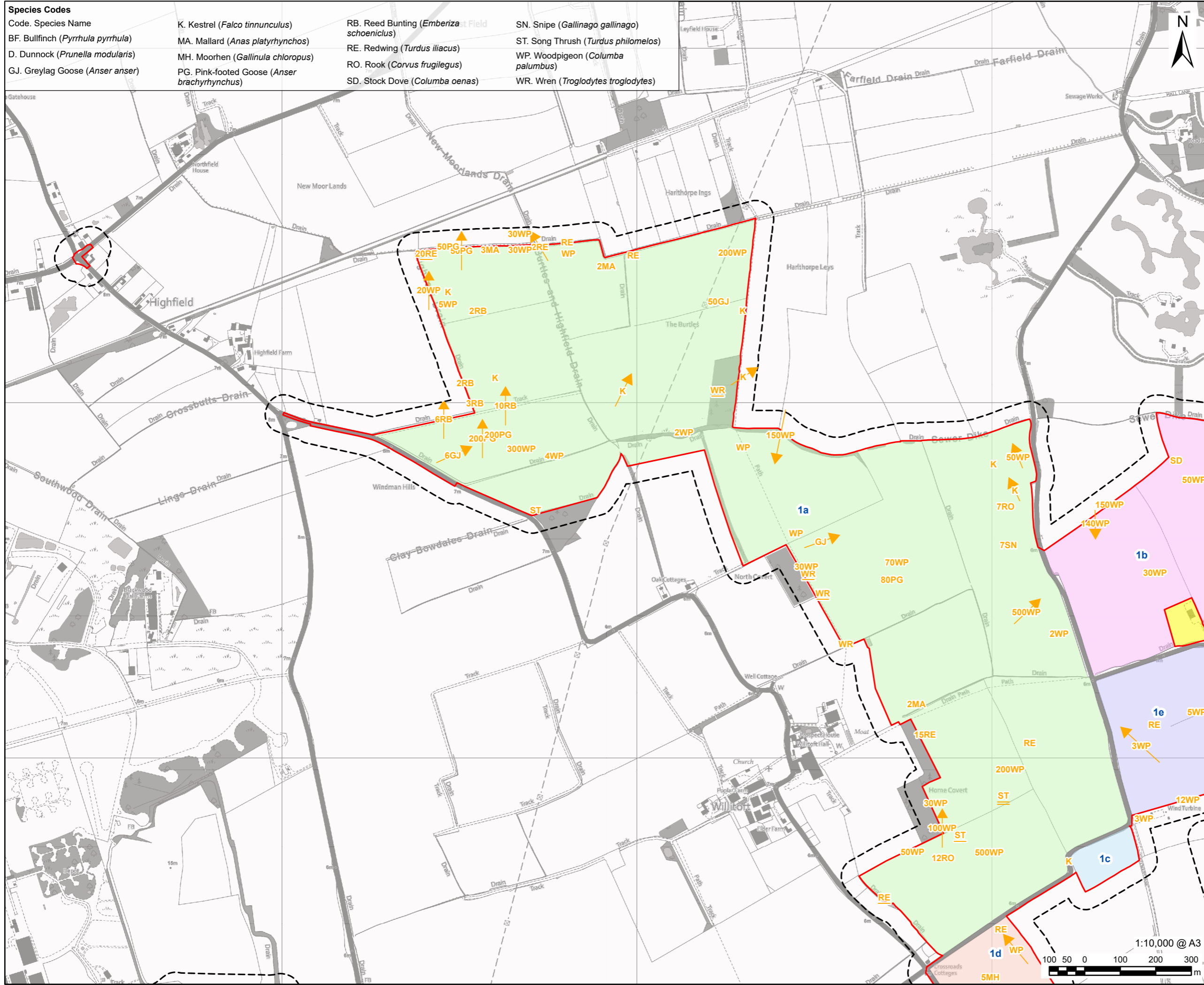
PROJECT NUMBER
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FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Red-listed species
Sheet 9 of 9

FIGURE NUMBER
Appendix 8-6-2



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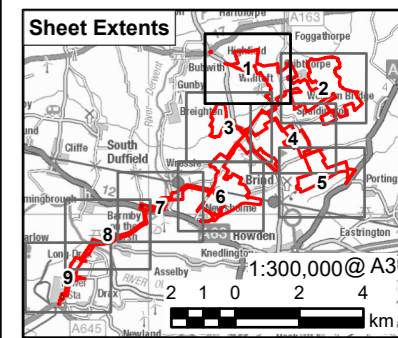


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- LEGEND
- Order limits
 - Land not included in the Order limits
 - Wintering Bird Survey Area (50m Buffer of the Order limits)
- Solar PV Site (xx = Solar PV Area)
- 1a
 - 1b
 - 1c
 - 1d
 - 1e
- Feeding
 - Territorial/Alarm Call
 - Calling
 - Flight



NOTES
Bird Species, activity symbol and flight line colour indicates conservation status (BOCC 2015). Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

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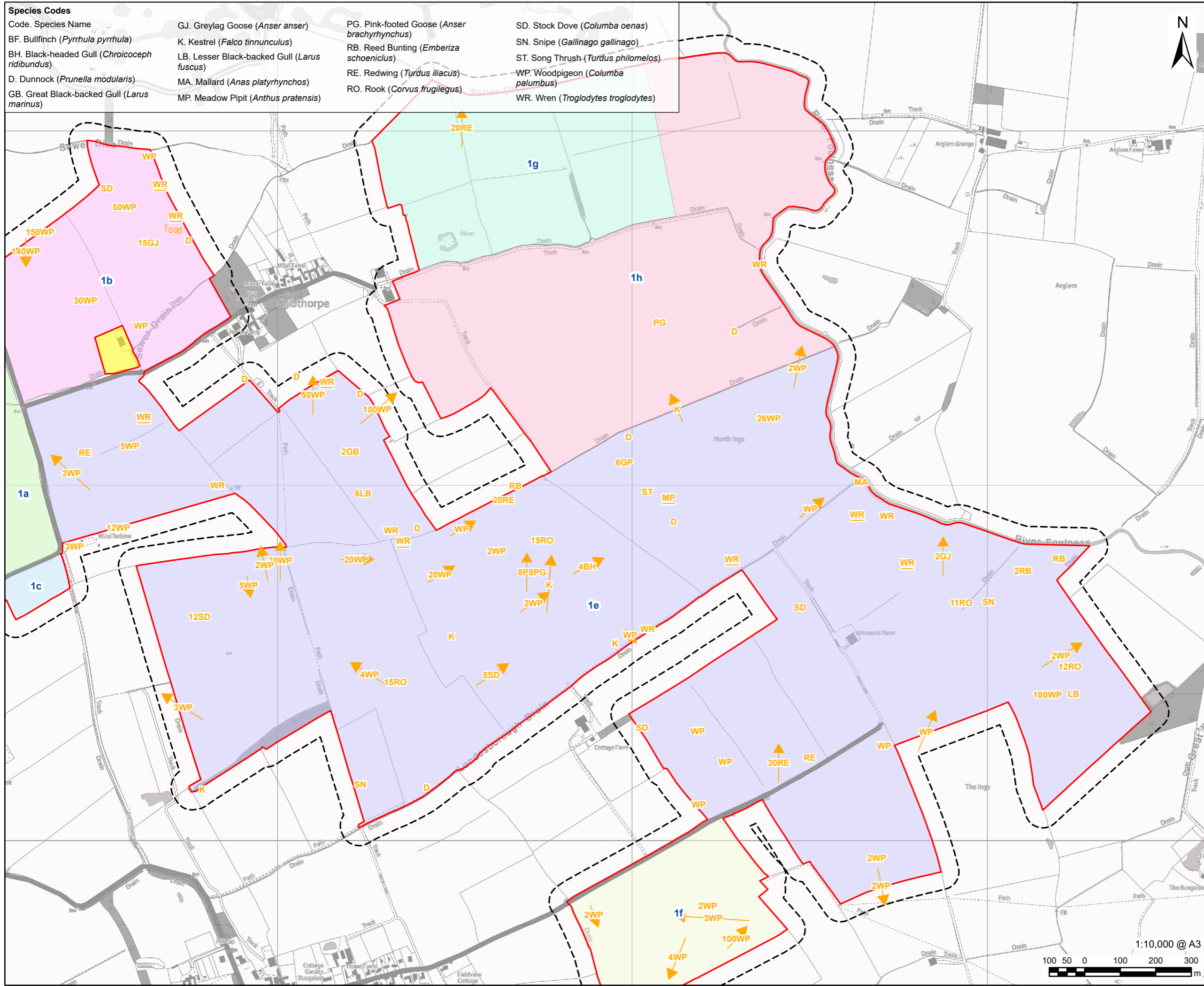
ISSUE PURPOSE
Environmental Statement

PROJECT NUMBER
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FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Amber-listed species
Sheet 1 of 9

FIGURE NUMBER
Appendix 8-6-3

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Species Codes		
Code	Species Name	
GJ.	Greylag Goose (<i>Anser anser</i>)	PG. Pink-footed Goose (<i>Anser brachyrhynchus</i>)
BF.	Bullfinch (<i>Pyrrhula pyrrhula</i>)	SN. Snipe (<i>Gallinago gallinago</i>)
BH.	Black-headed Gull (<i>Chroicoceph ridibundus</i>)	RB. Reed Bunting (<i>Emberiza schoeniclus</i>)
D.	Duncock (<i>Prunella modularis</i>)	RE. Redwing (<i>Turdus iliacus</i>)
GB.	Great Black-backed Gull (<i>Larus marinus</i>)	MA. Mallard (<i>Anas platyrhynchos</i>)
	K. Kestrel (<i>Falco tinnunculus</i>)	MP. Meadow Pipit (<i>Anthus pratensis</i>)
	LB. Lesser Black-backed Gull (<i>Larus fuscus</i>)	RO. Rook (<i>Corvus frugilegus</i>)
	WR. Wren (<i>Troglodytes troglodytes</i>)	
	WP. Woodpigeon (<i>Columba palumbus</i>)	
	SD. Stock Dove (<i>Columba oenas</i>)	
	ST. Song Thrush (<i>Turdus philomelos</i>)	



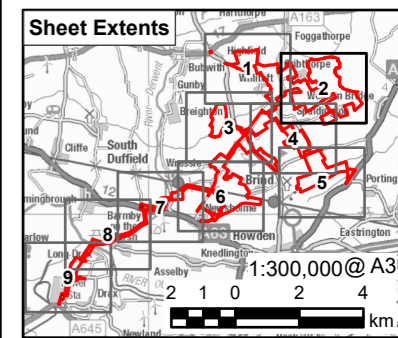
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- LEGEND**
- Order limits
 - Land not included in the Order limits
 - Wintering Bird Survey Area (50m Buffer of the Order limits)
- Solar PV Site (xx = Solar PV Area)**
- 1a
 - 1b
 - 1c
 - 1e
 - 1f
- Ecology Mitigation Area (xx = Ecology Mitiation Area)**
- 1g
 - 1h
- Activity Symbols**
- Feeding
 - Territorial/Alarm Call
 - Calling
 - Flight



NOTES

Bird Species, activity symbol and flight line colour indicates conservation status (BOCC 2015). Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

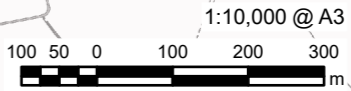
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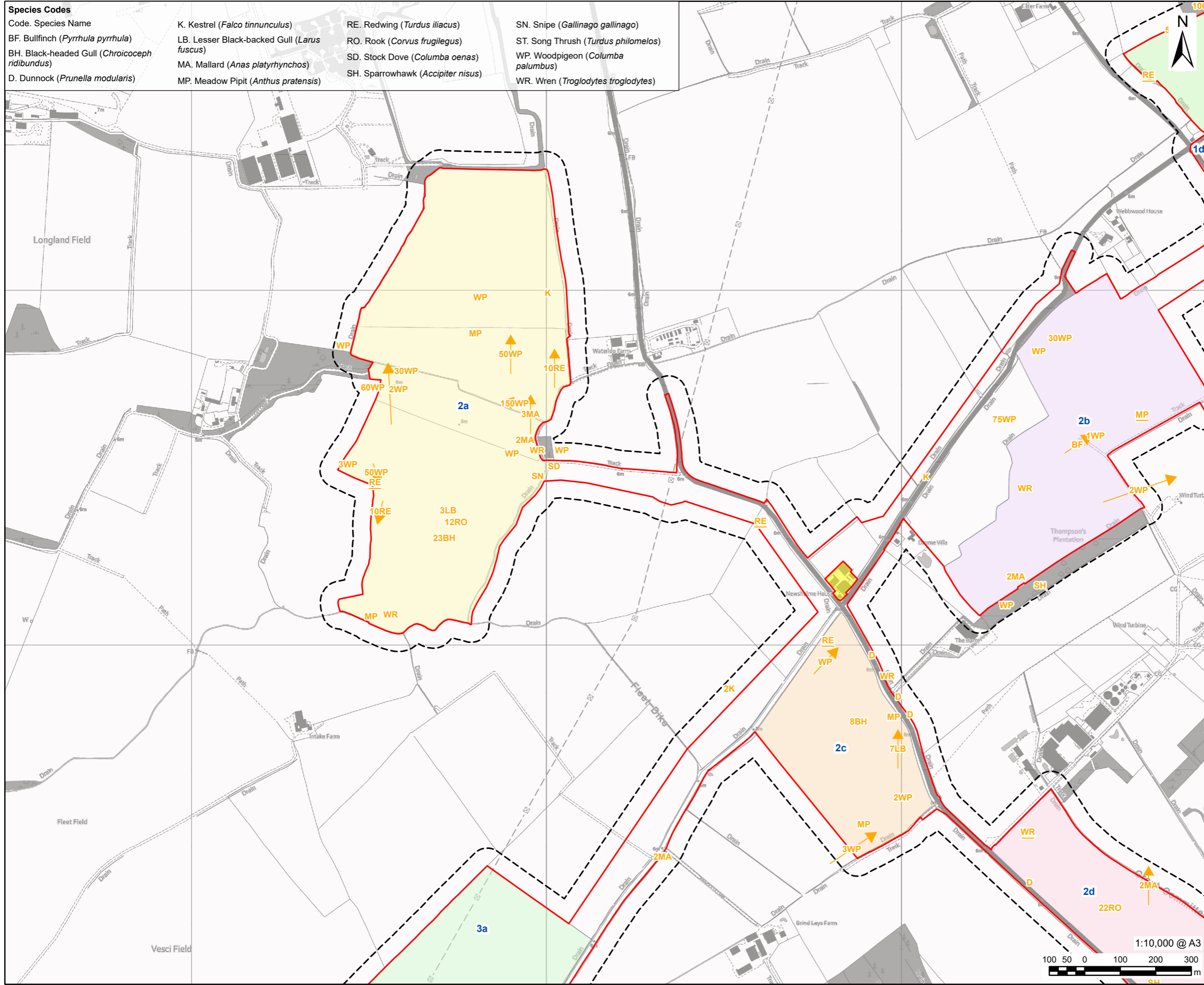
ISSUE PURPOSE
Environmental Statement

PROJECT NUMBER
60683115

FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Amber-listed species
Sheet 2 of 9

FIGURE NUMBER
Appendix 8-6-3





Species Codes			
Code	Species Name		
K.	Kestrel (<i>Falco tinnunculus</i>)	RE.	Redwing (<i>Turdus iliacus</i>)
BF.	Bullfinch (<i>Pyrrhula pyrrhula</i>)	LB.	Lesser Black-backed Gull (<i>Larus fuscus</i>)
BH.	Black-headed Gull (<i>Chroicoceph ridibundus</i>)	RO.	Rook (<i>Corvus frugilegus</i>)
D.	Dunnock (<i>Prunella modularis</i>)	SD.	Stock Dove (<i>Columba oenas</i>)
		MA.	Mallard (<i>Anas platyrhynchos</i>)
		MP.	Meadow Pipit (<i>Anthus pratensis</i>)
		SN.	Snipe (<i>Gallinago gallinago</i>)
		ST.	Song Thrush (<i>Turdus philomelos</i>)
		WP.	Woodpigeon (<i>Columba palumbus</i>)
		WR.	Wren (<i>Troglodytes troglodytes</i>)
		SH.	Sparrowhawk (<i>Accipiter nisus</i>)

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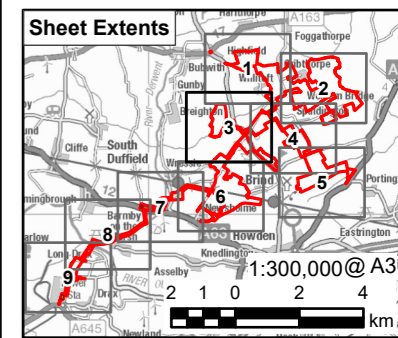
LEGEND

- Order limits
- Land not included in the Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)

Solar PV Site (xx = Solar PV Area)

- 1a
- 1d
- 2a
- 2b
- 2c
- 2d
- 3a

food Feeding
Territorial/Alarm Call
Calling
Flight



NOTES

Bird Species, activity symbol and flight line colour indicates conservation status (BOCC 2015). Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

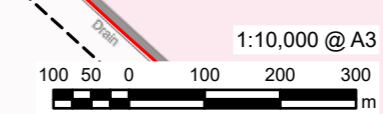
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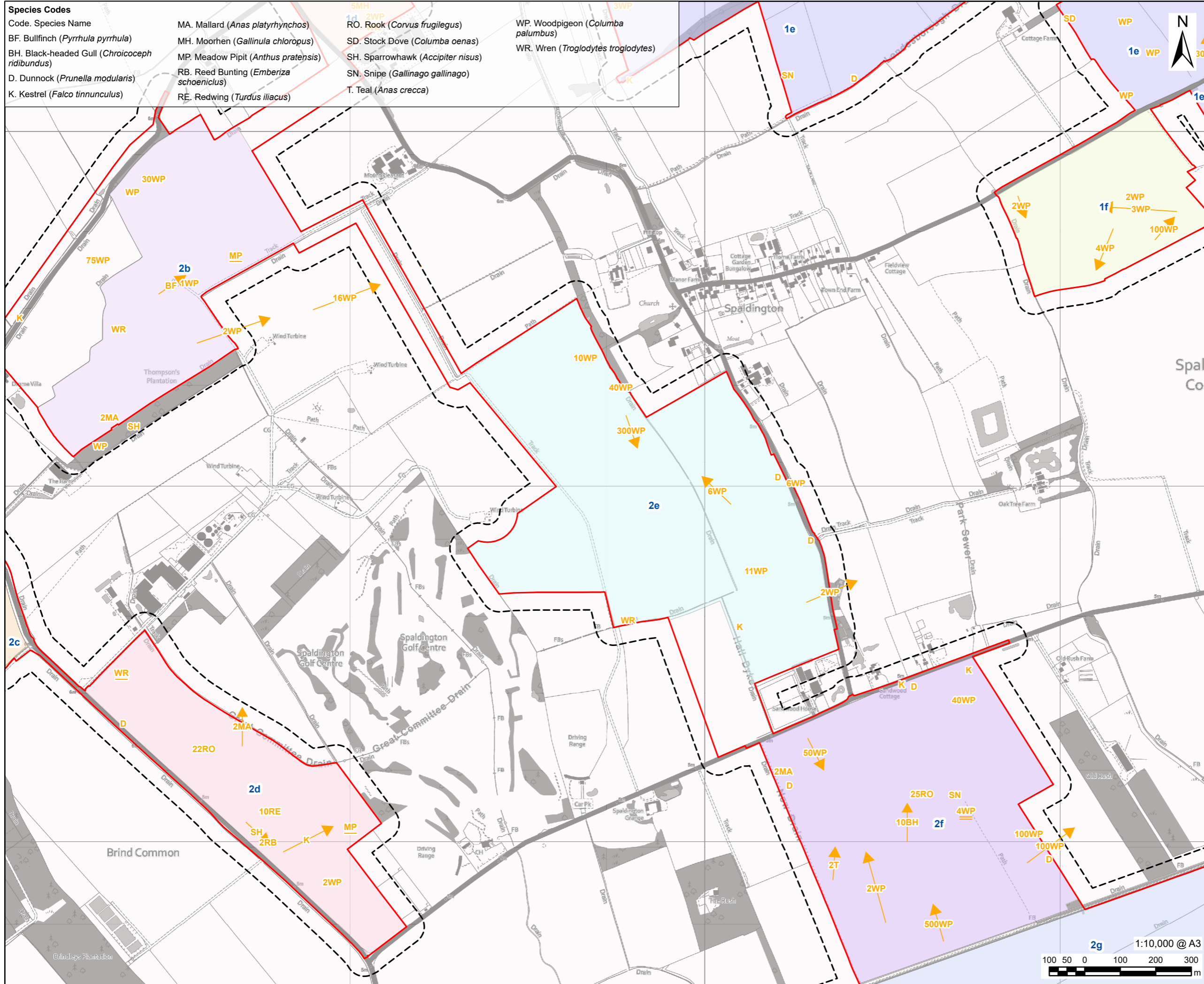
ISSUE PURPOSE
Environmental Statement

PROJECT NUMBER
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FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Amber-listed species
Sheet 3 of 9

FIGURE NUMBER
Appendix 8-6-3





Species Codes			
Code	Species Name		
MA	Mallard (<i>Anas platyrhynchos</i>)	RO	Rook (<i>Corvus frugilegus</i>)
BF	Bullfinch (<i>Pyrrhula pyrrhula</i>)	SD	Stock Dove (<i>Columba oenas</i>)
BH	Black-headed Gull (<i>Chroicocephalus ridibundus</i>)	MP	Meadow Pipit (<i>Anthus pratensis</i>)
D	Dunnock (<i>Prunella modularis</i>)	RB	Reed Bunting (<i>Emberiza schoeniclus</i>)
K	Kestrel (<i>Falco tinnunculus</i>)	RE	Redwing (<i>Turdus iliacus</i>)
		SH	Sparrowhawk (<i>Accipiter nisus</i>)
		SN	Snipe (<i>Gallinago gallinago</i>)
		T	Teal (<i>Anas crecca</i>)
		WP	Woodpigeon (<i>Columba palumbus</i>)
		WR	Wren (<i>Troglodytes troglodytes</i>)

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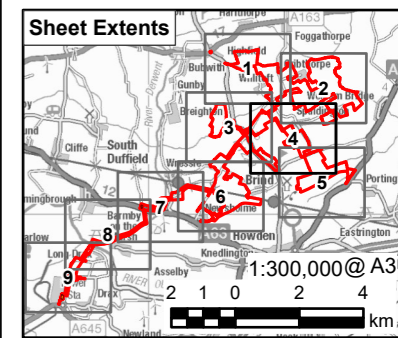
LEGEND

- Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)

Solar PV Site (xx = Solar PV Area)

- 1d
- 1e
- 1f
- 2b
- 2c
- 2d
- 2e
- 2f
- 2g

food Feeding
Territorial/Alarm Call
Calling
Flight



NOTES

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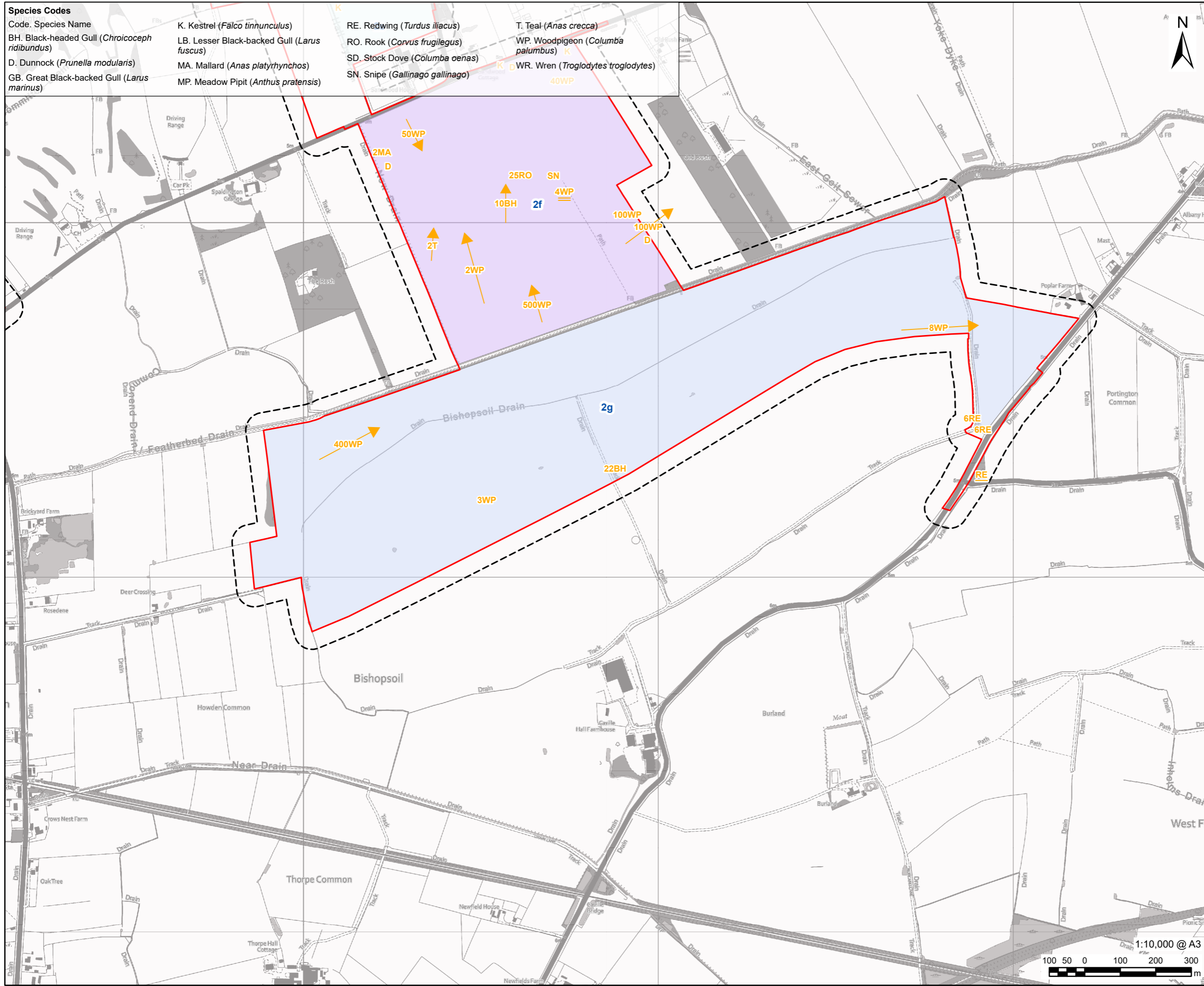
ISSUE PURPOSE
Environmental Statement

PROJECT NUMBER
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FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Amber-listed species
Sheet 4 of 9

FIGURE NUMBER
Appendix 8-6-3

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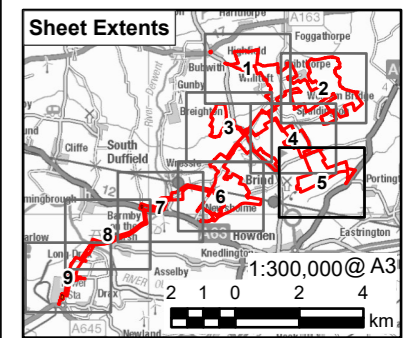


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- LEGEND**
- Order limits
 - Wintering Bird Survey Area (50m Buffer of the Order limits)
 - Solar PV Site (xx = Solar PV Area)**
 - 2d
 - 2e
 - 2f
 - 2g
 - food Feeding
 - Territorial/Alarm Call
 - Calling
 - Flight



NOTES

Bird Species, activity symbol and flight line colour indicates conservation status (BOCC 2015). Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

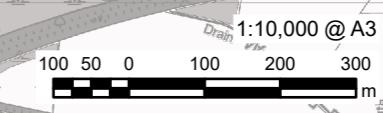
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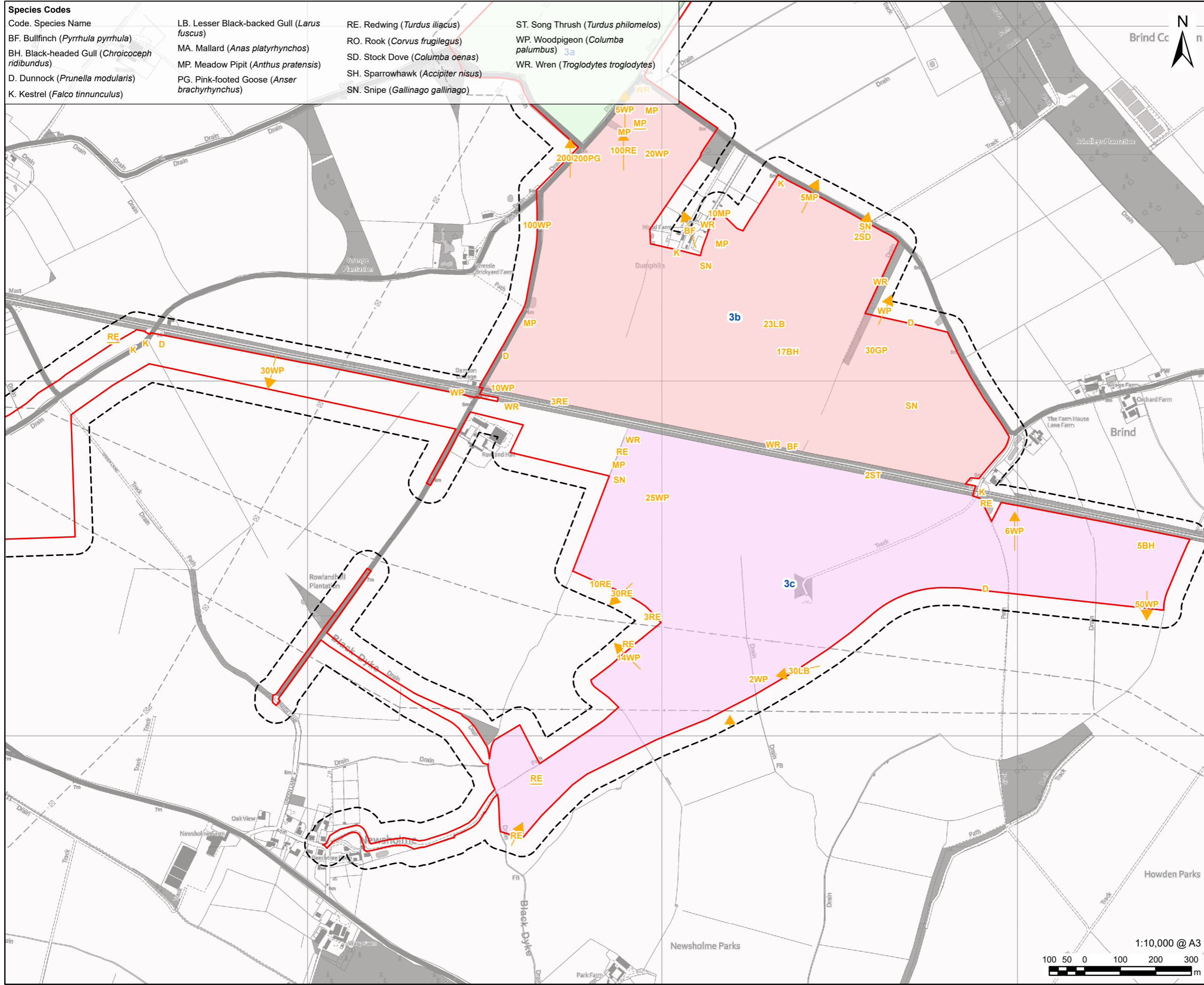
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FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Amber-listed species
Sheet 5 of 9

FIGURE NUMBER
Appendix 8-6-3



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LEGEND

- Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)

Solar PV Site (xx = Solar PV Area)

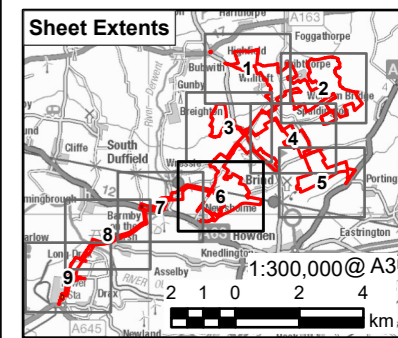
- 3a
- 3b
- 3c

food Feeding

Territorial/Alarm Call

Calling

Flight



NOTES

Bird Species, activity symbol and flight line colour indicates conservation status (BOCC 2015). Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

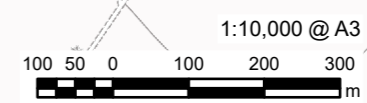
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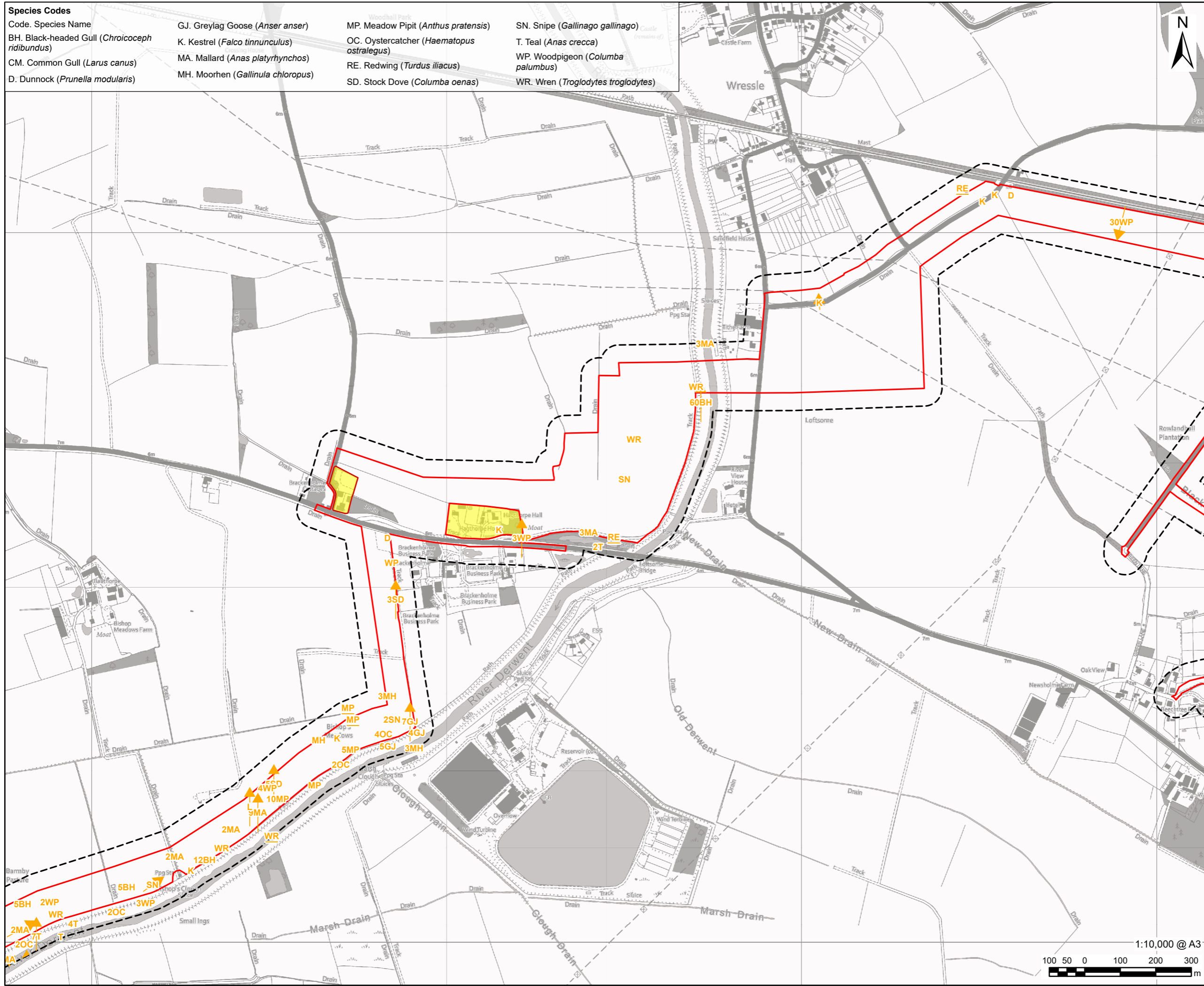
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FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Amber-listed species
Sheet 6 of 9

FIGURE NUMBER
Appendix 8-6-3



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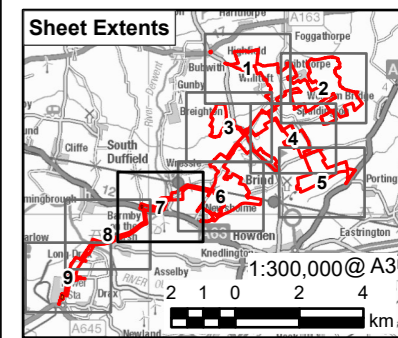
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LEGEND

- Order limits
- Land not included in the Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)
- f Feeding
- = Territorial/Alarm Call
- Calling
- Flight



NOTES

Bird Species, activity symbol and flight line colour indicates conservation status (BOCC 2015). Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

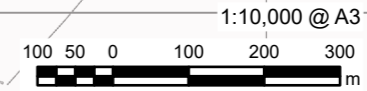
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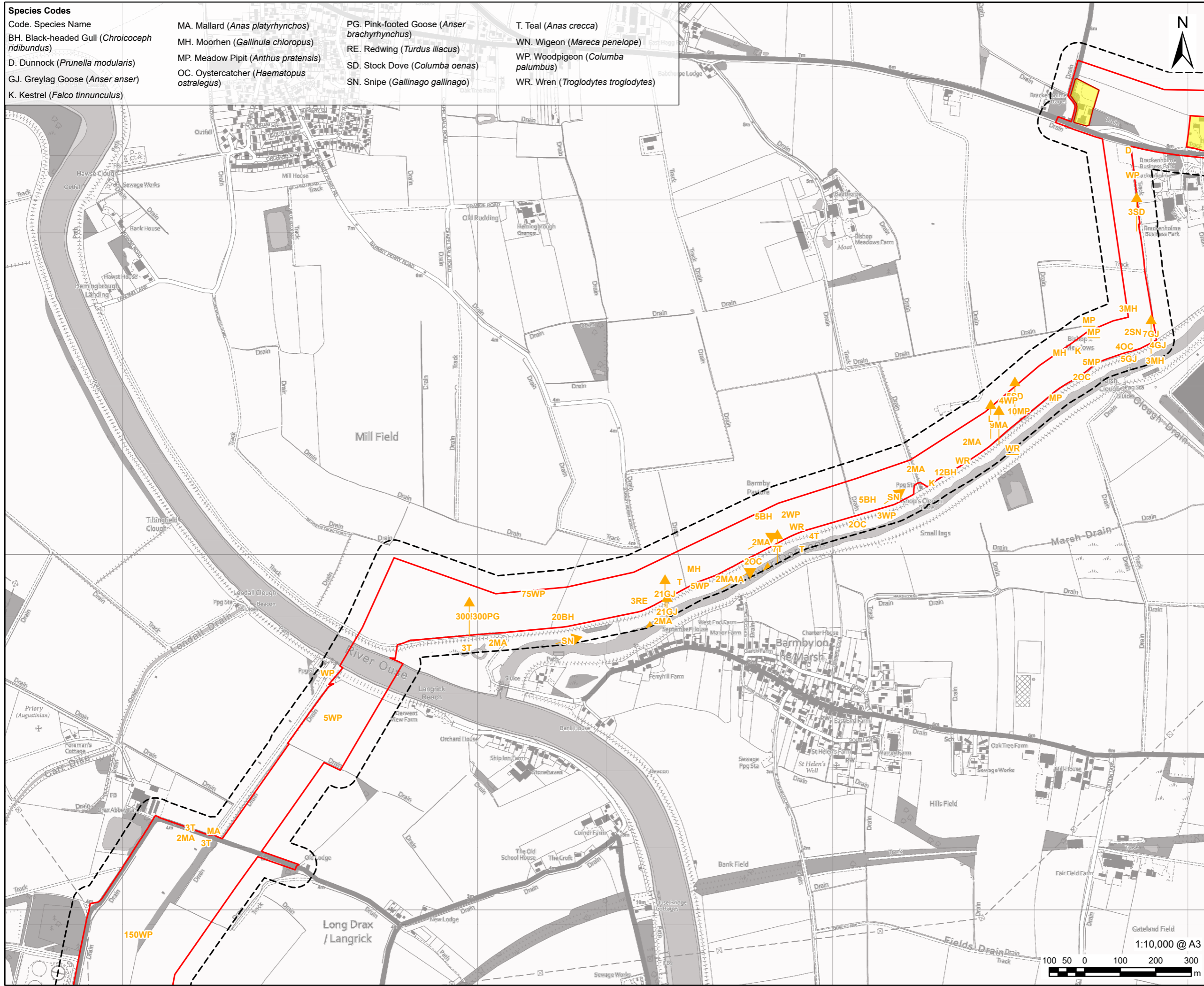
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FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Amber-listed species
Sheet 7 of 9

FIGURE NUMBER
Appendix 8-6-3



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Species Codes				
Code	Species Name	MA. Mallard (<i>Anas platyrhynchos</i>)	PG. Pink-footed Goose (<i>Anser brachyrhynchus</i>)	T. Teal (<i>Anas crecca</i>)
BH.	Black-headed Gull (<i>Chroicocephalus ridibundus</i>)	MH. Moorhen (<i>Gallinula chloropus</i>)	RE. Redwing (<i>Turdus iliacus</i>)	WN. Wigeon (<i>Mareca penelope</i>)
D.	Duncock (<i>Prunella modularis</i>)	MP. Meadow Pipit (<i>Anthus pratensis</i>)	SD. Stock Dove (<i>Columba oenas</i>)	WP. Woodpigeon (<i>Columba palumbus</i>)
GJ.	Greylag Goose (<i>Anser anser</i>)	OC. Oystercatcher (<i>Haematopus ostralegus</i>)	SN. Snipe (<i>Gallinago gallinago</i>)	WR. Wren (<i>Troglodytes troglodytes</i>)
K.	Kestrel (<i>Falco tinnunculus</i>)			

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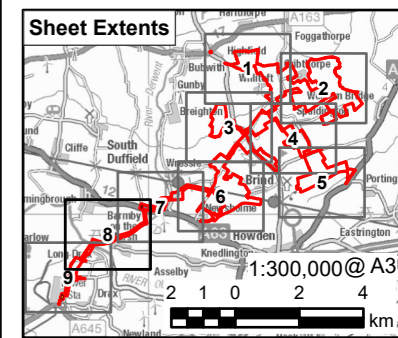
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LEGEND

- Order limits
- Land not included in the Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)
- ↑ Feeding
- Territorial/Alarm Call
- Calling
- Flight



NOTES

Bird Species, activity symbol and flight line colour indicates conservation status (BOCC 2015). Labels give bird species based on species key. Where more than one bird is recorded the number is shown.

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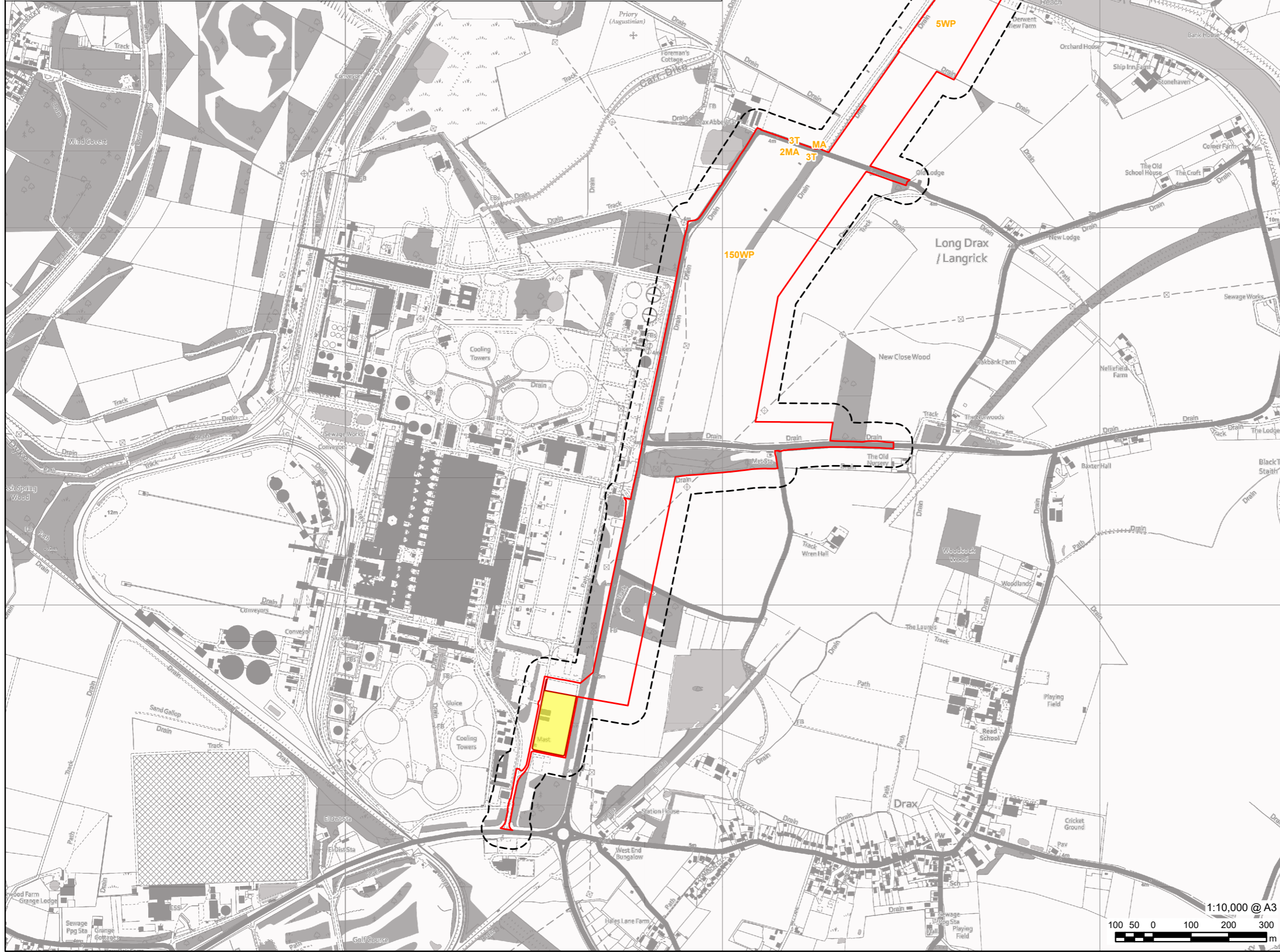
PROJECT NUMBER
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FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Amber-listed species
Sheet 8 of 9

FIGURE NUMBER
Appendix 8-6-3

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Species Codes			
Code	Species Name		
K.	Kestrel (<i>Falco tinnunculus</i>)	RE.	Redwing (<i>Turdus iliacus</i>)
BH.	Black-headed Gull (<i>Chroicocephalus ridibundus</i>)	MA.	Mallard (<i>Anas platyrhynchos</i>)
D.	Duncock (<i>Prunella modularis</i>)	MH.	Moorhen (<i>Gallinula chloropus</i>)
GJ.	Greylag Goose (<i>Anser anser</i>)	PG.	Pink-footed Goose (<i>Anser brachyrhynchus</i>)
		SN.	Snipe (<i>Gallinago gallinago</i>)
		T.	Teal (<i>Anas crecca</i>)
		WN.	Wigeon (<i>Mareca penelope</i>)
		WP.	Woodpigeon (<i>Columba palumbus</i>)
		WR.	Wren (<i>Troglodytes troglodytes</i>)



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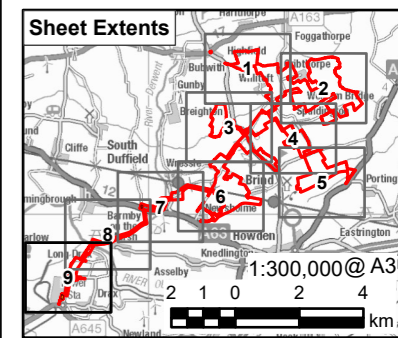
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LEGEND

- Order limits
- Land not included in the Order limits
- Wintering Bird Survey Area (50m Buffer of the Order limits)
- Feeding
- Territorial/Alarm Call
- Calling
- Flight



NOTES

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FIGURE TITLE
Non-breeding Birds: Distribution of BoCC Amber-listed species
Sheet 9 of 9

FIGURE NUMBER
Appendix 8-6-3



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Annex B – Data search records from within 2km of the Site

Common	Scientific Name	Year of most recent	Conservation Designation
Barn Owl	<i>Tyto alba</i>	2019	WCA Sch. 1
Black-headed	<i>Chroicocephalus ridibundus</i>	2019	BoCC Amber
Blue Tit	<i>Cyanistes caeruleus</i>	2019	-
Brambling	<i>Fringilla montifringilla</i>	2019	WCA Sch. 1
Bullfinch	<i>Pyrrhula pyrrhula</i>	2019	BoCC Amber
Buzzard	<i>Buteo buteo</i>	2019	-
Canada Goose	<i>Branta canadensis</i>	2019	-
Coal Tit	<i>Periparus ater</i>	2019	-
Collared Dove	<i>Streptopelia decaocto</i>	2019	-
Common Gull	<i>Larus canus</i>	2019	BoCC Amber
Common Tern	<i>Sterna hirundo</i>	2012	Annex 1, BoCC Amber
Coot	<i>Fulica atra</i>	2014	-
Cormorant	<i>Phalacrocorax carbo</i>	2019	-
Corn Bunting	<i>Emberiza calandra</i>	2019	Priority Species, BoCC Red, ERYBAP
Cuckoo	<i>Cuculus canorus</i>	2019	Priority Species, BoCC Red
Curlew	<i>Numenius arquata</i>	2019	Priority Species, BoCC Red, ERYBAP
Dunnock	<i>Prunella modularis</i>	2019	Priority Species, BoCC Amber
Fieldfare	<i>Turdus pilaris</i>	2019	WCA Sch. 1, BoCC Red
Goldcrest	<i>Regulus regulus</i>	2019	-
Golden Plover	<i>Pluvialis apricaria</i>	2019	Annex 1, ERYBAP

Common	Scientific Name	Year of most recent	Conservation Designation
Goldfinch	<i>Carduelis carduelis</i>	2019	-
Great Black-	<i>Larus marinus</i>	2019	BoCC Amber
Great Spotted	<i>Dendrocopos major</i>	2019	-
Great Tit	<i>Parus major</i>	2019	-
Green	<i>Tringa ochropus</i>	2019	WCA Sch. 1, BoCC Amber
Green	<i>Picus viridis</i>	2013	-
Greenfinch	<i>Chloris chloris</i>	2019	BoCC Red
Grey Heron	<i>Ardea cinerea</i>	2019	-
Grey Partridge	<i>Perdix perdix</i>	2019	Priority Species, BoCC Red, ERYBAP
Greylag Goose	<i>Anser anser</i>	2019	BoCC Amber
Hen Harrier	<i>Circus cyaneus</i>	2014	Annex 1, WCA Sch. 1, BoCC Red
Herring Gull	<i>Larus argentatus</i>	2019	Priority Species, BoCC Red
House Martin	<i>Delichon urbicum</i>	2019	BoCC Red
House Sparrow	<i>Passer domesticus</i>	2019	Priority Species, BoCC Red
Jack Snipe	<i>Lymnocyptes minimus</i>	2019	-
Kestrel	<i>Falco tinnunculus</i>	2019	BoCC Amber
Kingfisher	<i>Alcedo atthis</i>	2019	Annex 1, WCA Sch. 1
Lapwing	<i>Vanellus vanellus</i>	2019	Priority Species, BoCC Red
Lesser Black-	<i>Larus fuscus</i>	2019	BoCC Amber
Lesser Redpoll	<i>Acanthis cabaret</i>	2019	Priority Species, BoCC Red
Linnet	<i>Linaria cannabina</i>	2019	Priority Species, BoCC Red, ERYBAP
Little Egret	<i>Egretta garzetta</i>	2019	Annex 1
Little Owl	<i>Athene noctua</i>	2019	-

Common	Scientific Name	Year of most recent	Conservation Designation
Mallard	<i>Anas platyrhynchos</i>	2019	BoCC Amber
Marsh Harrier	<i>Circus aeruginosus</i>	2019	Annex 1, WCA Sch. 1
Marsh Tit	<i>Poecile palustris</i>	2017	Priority Species, BoCC Red, ERYBAP
Meadow Pipit	<i>Anthus pratensis</i>	2019	BoCC Amber
Mistle Thrush	<i>Turdus viscivorus</i>	2019	BoCC Red
Moorhen	<i>Gallinula chloropus</i>	2019	BoCC Amber
Mute Swan	<i>Cygnus olor</i>	2019	-
Oystercatcher	<i>Haematopus ostralegus</i>	2019	BoCC Amber
Peregrine	<i>Falco peregrinus</i>	2019	Annex 1, WCA Sch. 1
Pied Wagtail	<i>Motacilla alba</i>	2019	-
Pink-footed	<i>Anser brachyrhynchus</i>	2019	BoCC Amber
Red Kite	<i>Milvus milvus</i>	2014	Annex 1, WCA Sch. 1
Redwing	<i>Turdus iliacus</i>	2019	WCA Sch. 1
Reed Bunting	<i>Emberiza schoeniclus</i>	2019	Priority Species, BoCC Amber
Robin	<i>Erithacus rubecula</i>	2019	-
Rook	<i>Corvus frugilegus</i>	2019	BoCC Amber
Shelduck	<i>Tadorna tadorna</i>	2019	BoCC Amber
Siskin	<i>Spinus spinus</i>	2019	-
Skylark	<i>Alauda arvensis</i>	2019	Priority Species, BoCC Red, ERYBAP
Snipe	<i>Gallinago gallinago</i>	2019	BoCC Amber
Song Thrush	<i>Turdus philomelos</i>	2019	BoCC Amber
Sparrowhawk	<i>Accipiter nisus</i>	2019	-
Spotted	<i>Muscicapa striata</i>	2019	Priority Species, BoCC Red

Common	Scientific Name	Year of most recent	Conservation Designation
Starling	<i>Sturnus vulgaris</i>	2019	Priority Species, BoCC Red
Stock Dove	<i>Columba oenas</i>	2019	BoCC Amber
Swallow	<i>Hirundo rustica</i>	2019	-
Swift	<i>Apus apus</i>	2019	BoCC Red
Teal	<i>Anas crecca</i>	2013	BoCC Amber
Tree Sparrow	<i>Passer montanus</i>	2019	Priority Species, BoCC Red, ERYBAP
Treecreeper	<i>Certhia familiaris</i>	2019	-
Tufted Duck	<i>Aythya fuligula</i>	2013	-
Turtle Dove	<i>Streptopelia turtur</i>	2019	Priority Species, BoCC Red, ERYBAP
Wheatear	<i>Oenanthe oenanthe</i>	2019	BoCC Amber
Willow Warbler	<i>Phylloscopus trochilus</i>	2019	BoCC Amber
Woodcock	<i>Scolopax rusticola</i>	2019	BoCC Red
Wren	<i>Troglodytes troglodytes</i>	2019	BoCC Amber
Yellow Wagtail	<i>Motacilla flava</i>	2019	Priority Species, BoCC Red, ERYBAP
Yellowhammer	<i>Emberiza citrinella</i>	2019	Priority Species, BoCC Red, ERYBAP
Yellow-legged	<i>Larus michahellis</i>	2019	BoCC Amber