
Mylen Leah Solar Farm
on behalf of Statkraft UK Ltd
Breeding Bird Survey Report



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1 INTRODUCTION

1.1 Project Background

- 1.1.1 Avian Ecology Limited (AEL) was commissioned by Statkraft UK Limited to undertake a breeding bird survey.
- 1.1.2 The surveys were undertaken in relation to the proposed Mylen Leah Solar Farm (the 'Proposed Development') on land south of the village of Melbourne in East Yorkshire ('the Site') as illustrated on **Figure 1**.
- 1.1.3 This report subsequently provides detailed survey methodology and results of the breeding bird survey undertaken from April 2024 to July 2024.
- 1.1.4 The objectives of this report are to:
- provide baseline information on breeding ornithological features within the Site; and,
 - identify the presence of notable breeding bird species within the Site.
- 1.1.5 Only common bird species names are referred to within the main text of this Appendix.
- 1.1.6 **Annex 1** provides a summary of all bird species recorded during survey, including both common and species names together with a summary of their conservation status as relevant.

1.2 Survey Area

- 1.2.1 The Site encompasses a series of connected agricultural land parcels, predominately composed of arable fields and pastoral fields. Fields are bound by a series of hedgerows as well as ditches, fences, and tree lines. A series of small woodland copses and scrub patches are present within the Site as well as a number of ponds.
- 1.2.2 In the wider context, the Site is surrounded by extensive areas of farmland and areas of woodland.
- 1.2.3 **Table 1.1** below provides a summary of designated sites with breeding ornithological interests located within 5km of the Site boundary, and sites of the National Site Network (European sites) located within 10km of the Site boundary.

Table 1.1: Ornithological designated sites for nature conservation (breeding qualifying interests).
NNR: National Nature Reserve; SSSI: Site of Special Scientific Interest; SAC: Special Area of Conservation; SPA: Special Protection Area; Ramsar.

Designation	Distance	Ornithological Interests
Lower Derwent Valley NNR	1.1km west	Extensive area that supports populations of breeding birds.
Lower Derwent Valley SPA	1.1km west	Qualifies under Article 4.2 by regularly supporting a breeding population of 50 pairs of shoveler.
Derwent Ings SSSI	1.1km west	Flood meadows, fen, swamp and other freshwater habitats lying adjacent to the River Derwent. Supports the following breeding bird species: shoveler, shelduck, mallard, teal, pintail, gadwall, garganey, snipe, lapwing, redshank, curlew, quail, barn owl, kingfisher, yellow wagtail, reed warbler, sedge warbler and grasshopper warbler.

Designation	Distance	Ornithological Interests
Pocklington Canal SSSI	1.4km north-west	Canal that supports a breeding community typical of lowland open waters and margins such as tufted duck, kingfisher, grey wagtail, sedge warbler, reed warbler and reed bunting.
River Derwent SSSI	1.5km west	Riverine habitat that supports a breeding bird community including common sandpiper, dipper, kingfisher, yellow wagtail and grey wagtail.
Allerthorpe Common SSSI	4km north	Heathland that supports breeding nightjar, tree pipit and whinchat.
Skipwith Common SSSI and NNR	4.9km south-west	Heathland that supports 76 breeding bird species; including woodcock and nightjar.
Brighton Meadows SSSI	4.9km south-west	Flood meadow that supports a range of breeding wetland bird species including; snipe, lapwing, redshank, curlew, shoveler, mallard, teal, yellow wagtail, reed warbler, sedge warbler and grasshopper warbler.

2 METHODOLOGY

- 2.1.1 A breeding bird survey was undertaken between April 2024 and July 2024, based-on the Bird Study Group Breeding Bird Survey Methodology (BBS) methodology detailed online¹, with visits undertaken in early mornings and on one evening by G. Taylor who is an experienced ornithologist
- 2.1.2 Day survey visits were carried out from dawn and finished by 11:00hrs in conditions suitable for survey (avoiding heavy rain and strong winds). The nocturnal survey visit was carried out up to two hours and thirty minutes before dusk and finished by 01:00 in conditions suitable for survey. A summary of survey effort is presented in **Table 2.1** and detailed survey conditions are presented in **Annex 2**.
- 2.1.3 The survey area is illustrated in **Figure 2 and Figure 3** and also a 100m buffer ('wider survey area') observed from the Site boundary to record the presence of species listed under Schedule 1 of the Wildlife & Countryside Act 1981² (as amended).
- 2.1.4 Note that due to iterative changes in the Site boundary, the Survey Area as used for 2024 survey is not wholly concurrent with the current Site boundary.
- 2.1.5 Due to the extent of the Site, distinct areas were surveyed over a number of consecutive days and analysed. Results for all areas were then combined to provide a final count of species breeding within the Site and wider survey area (**Table 3.1**). Survey dates and timings for individual areas are described in **Annex 2**.
- 2.1.6 All breeding bird survey visits were undertaken by a suitably competent and experienced ornithologist.
- 2.1.7 During survey all bird registrations were recorded on suitably scaled field maps using standard BTO species codes and behaviour notations (such as singing, carrying food, active nest). The approximate locations of bird territories within the Site were determined using standard territory mapping techniques to identify and isolate areas within which birds consistently displayed breeding behaviours (following Gilbert *et al.*, 1998).

¹ birdsurveyguidelines.org

² Schedule 1 of the Wildlife and Countryside Act 1981 (as amended).

- 2.1.1 For the purposes of this report, although the estimated number of breeding territories for all species is provided (**Table 3.1**) only the breeding territories of Notable Species are mapped and presented on **Figure 2 and 3**, given these are the most relevant species to the design and assessment of development proposals. Notable Species relevant to the Proposed Development include of Birds of Conservation Concern (BoCC Amber and Red List Species (Stanbury *et al.*, 2021³), Annex 1⁴ raptors and owls, Schedule 1⁵ species East Riding of Yorkshire Biodiversity Action Plan species⁶.
- 2.1.2 Observations of non-breeding birds just visiting the Site (e.g., gulls feeding in fields) and birds flying over the Site were also recorded.

Table 2.1: Breeding bird survey effort.

Survey Visit	Date	Start time (24hrs)	End time (24hrs)	Sunrise/sunset (24hrs)
1	17/04/2024 to 27/04/2024	06:00	10:30 to 11:00	05:57 to 05:35
2	06/05/2024 to 31/05/2024	06:00 to 05:30	10:30 to 11:00	05:17 to 04:39
3 (nocturnal)	14/05/2024 to 09/06/2024	19:00	01:00	20:59 to 21:34
4	07/06/2024 to 28/06/2024	06:00 to 05:30	10:00 to 11:00	04:34 to 04:35
5	01/07/2024 to 26/07/2024	06:00 to 05:30	10:00 to 11:00	04:37 to 05:08

Limitations

- 2.1.3 Surveys represent a snapshot in time only, and therefore numbers of territories cannot be definitive and are likely to vary due to factors including habitat changes (e.g., cropping regime), weather conditions, previous season breeding success and in the case of migratory species condition in overwintering locations.
- 2.1.4 One nocturnal survey was undertaken, and therefore the comparative approach for identifying species cannot be undertaken for primarily nocturnal species. A precautionary approach was used for species recorded only in nocturnal surveys. For this reason, territories mapped primarily from nocturnal surveys are displayed separately on **Figure 3**.
- 2.1.5 For all species, breeding territory locations do not equate with the location of a breeding site (i.e., nest) and identify only the approximate location within the Site in which the species territory was located. For wide ranging species with large breeding territories (e.g., barn owl), there is likely to be a significant difference between locations identified on the plan and the breeding location.
- 2.1.6 While every effort was made to access the Survey Area and wider Survey area in full, due to access restriction, particularly within the Wider Survey Area, comprehensive survey was not always possible, and as such the detectability of species may have been reduced.
- 2.1.7 Due to iterative changes in the Proposed Development redline boundary following conclusion of the surveys some fields were not subject to survey. Further, where fields were previously within the 100m buffer, but are now located within the Site, detectability of species may have been reduced (as above). The survey area, and any excluded fields are shown in **Figure 2 and Figure 3**.

³ 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**, pp. 723-747. Available online at <https://britishbirds.co.uk/content/status-our-bird-populations>.

⁴ Annex 1 – species listed on Annex 1 of the EC Directive 2009/147/EC of the European Parliament on the conservation of wild birds. https://ec.europa.eu/environment/nature/conservation/wildbirds/threatened/index_en.htm

⁵ <https://www.rspb.org.uk/birds-and-wildlife/advice/wildlife-and-the-law/wildlife-and-countryside-act/schedules/>

⁶ http://fostonparishcouncil.eastriding.gov.uk/Data/Sites/8/media/fostondocuments/ERYBAP%20Strategy%20PDF_3.0_DR.pdf

- 2.1.8 No limitations to the survey dataset in informing a robust assessment of potential impacts upon breeding bird species are considered.

3 RESULTS

- 3.1.1 The breeding bird assemblage recorded within the survey area is considered representative of the locale and the agricultural and field boundary habitats present. A total of forty-four species were recorded breeding within the survey area, which included twenty-four Notable Species as summarised in **Table 3.1**.
- 3.1.2 Breeding evidence for twenty-two Notable Species was recorded within the Site, which included:
- Eleven Red List species (grey partridge, lapwing, curlew, skylark, mistle thrush, tree sparrow, house sparrow, yellow wagtail, linnet, corn bunting and yellowhammer);
 - Eleven Amber List species (curlew, tawny owl, rook, willow warbler, whitethroat, wren, song thrush, dunnoek, pied wagtail, meadow pipit and reed bunting);
 - Fourteen are listed as rare and most threatened species under Section 41 (S41) of the Natural Environment and Rural Communities (NERC) Act (2006) (grey partridge, lapwing, curlew, skylark, song thrush, mistle thrush, tree sparrow, house sparrow, dunnoek, yellow wagtail, linnet, corn bunting, yellowhammer and reed bunting).
 - Eight species recorded listed under the East Riding of Yorkshire LBAP (curlew, grey partridge, skylark, tree sparrow, yellow wagtail, linnet, yellowhammer and corn bunting).
- 3.1.3 Breeding evidence of an additional two Notable Species was recorded within the wider survey area. This comprised two Amber List species mallard and moorhen on waterbodies within the wider survey area.
- 3.1.4 Two species recorded are listed on Schedule 1 of the Wildlife and Countryside Act 1981 (as amended). This comprised barn owl (two territories within the Site and one in the wider survey area) and red kite (one territory outside the wider survey area that may utilise the Site and wider survey area as part of a broader territory). The location of breeding Schedule 1 species territories are considered sensitive and as such should not be publicly shared.
- 3.1.5 Red kite is also a species listed on Annex 1 of the Directive 2009/147/EC (Birds Directive).
- 3.1.6 Within the Site, the number of Notable Species breeding territories was typically below ten territories, with higher numbers of territories recorded for rook (c. 60 territories), wren (45 territories), skylark (44 territories), yellowhammer (18 territories) and song thrush (11 territories).
- 3.1.7 The number of skylark territories was calculated on the basis of singing males recorded during survey. Here a territory was confirmed if a singing male was recorded at least twice in the same approximate location over the survey visits.
- 3.1.8 With the exception of skylark, breeding territories of Notable Species were typically associated with vegetation along field boundaries, which principally comprises of field-margins, ditches, hedgerows, scrub, built areas, tree-lines and woodland habitats within or adjacent to the Site.
- 3.1.9 Ground-nesting Notable Species breeding in open habitats within the Site comprised of grey partridge (2 territories), lapwing (6 territories), curlew (1 territory), skylark (44 territories), yellow wagtail (6 territories) and meadow pipit (2 territories).

- 3.1.10 Grey partridge was recorded in the margins of arable fields. Lapwing was identified in arable fields, with a single modified grassland pasture. Curlew was recorded in an arable field consisting of temporary grass and clover ley. Skylark was recorded throughout the Site. Yellow wagtail was recorded in arable fields, modified pasture and neutral grassland pasture. Meadow pipit was identified in grassland fields.
- 3.1.11 All breeding species (or potential breeding species) recorded along with an estimated number of the breeding territories within the Draft Order Limits and wider survey area are detailed within **Table 3.1**. Those species in **bold** are considered Notable Species. With the exclusion of Schedule 1 species, the indicative locations of the territories of Notable Species are provided in **Figures 2 and 3**.

Table 3.1: Breeding bird territories recorded within the Site and wider survey area.

Species	Total Survey Area Estimated Territories	Total Wider Survey Area Estimated Territories	Comments
Mallard	0	1	On pond 9 within the wider survey area.
Tufted Duck	0	3	On pond 9 within the wider survey area.
Grey Partridge	2	0	At boundaries of arable fields within the Site.
Moorhen	0	1	On pond 70 within the wider survey area.
Lapwing	6	1	Predominantly within arable fields within the Site.
Curlew	1	0	Within arable field within the Site.
Barn Owl	3	0	Within trees within the Site and wider survey area.
Little Owl	2	2	Within in trees within the Site and around built areas within the wider survey area.
Tawny Owl	3	5	Within trees and woodland within the Site and wider survey area.
Buzzard	3	0	Within trees and woodland within the Site.
Red Kite	0	1	In plantation woodland beyond wider survey area.
Great-spotted Woodpecker	1	0	Within tree along hedgerow within the Site.
Magpie	1	0	Within tree along hedgerow within the Site.
Jay	1	1	
Rook	c. 60	c. 80	x2 rookeries within trees within the Site and x1 rookery within woodland within wider survey area.
Blue Tit	30	6	Within boundary features such as hedgerows, trees and woodland within the Site and wider survey area.
Great Tit	8	2	Within boundary hedgerows, trees and woodland within the Site and wider survey area.
Coal Tit	0	1	Within woodland surrounded by the Site within the wider survey area.
Skylark	44	4	Within numerous arable and pastoral fields within the Site and wider survey area.
Swallow	0	8	Around buildings within Site and the wider survey area.
Long-tailed Tit	5	0	Within boundary trees and hedgerows within the Site.

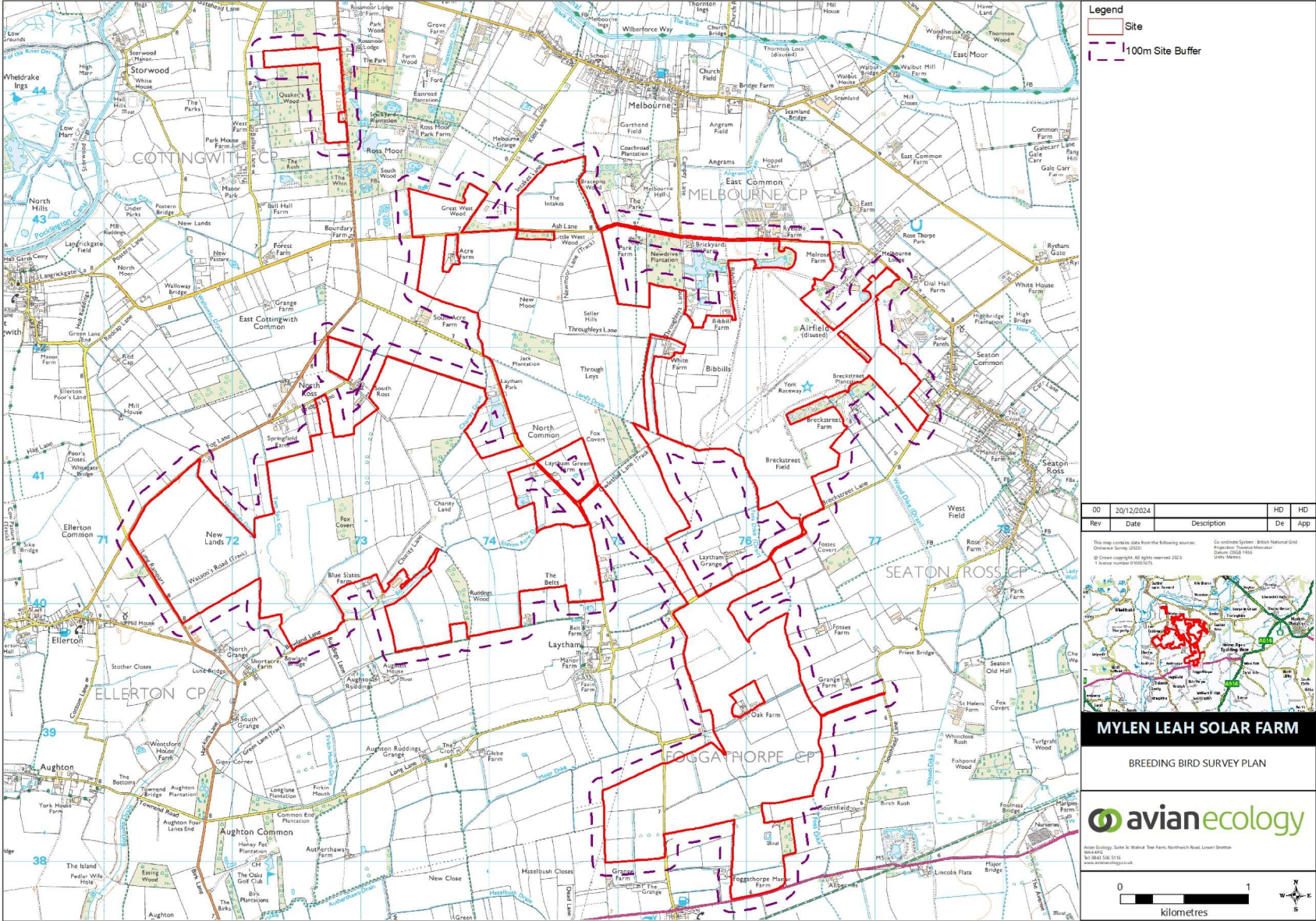
Species	Total Survey Area Estimated Territories	Total Wider Survey Area Estimated Territories	Comments
Willow Warbler	4	0	Within boundary trees and hedgerows within the Site.
Chiffchaff	22	11	Within boundary trees and hedgerows within the Site and woodland and trees within the wider survey area.
Lesser Whitethroat	15	1	Within boundary hedgerows, trees and woodland within the Site and wider survey area.
Blackcap	19	8	Within boundary hedgerows, trees and woodland within the Site and wider survey area.
Whitethroat	4	1	Within boundary hedgerows within the Site.
Wren	45	9	Within boundary hedgerows, trees and woodland within the Site and wider survey area.
Song Thrush	11	3	Within boundary hedgerows and woodland within the Site and woodland within the wider survey area.
Mistle Thrush	2	0	Within boundary trees within the Site.
Blackbird	11	5	
Robin	22	5	Within boundary hedgerows, trees and woodland within the Site and wider survey area.
Stonechat	2	0	
Tree Sparrow	1	0	Within boundary hedgerow within the Site.
House Sparrow	6	3	Within boundary hedgerows and trees close to built areas within the Site and wider survey area.
Dunnock	4	0	Within boundary hedgerows within the Site
Yellow Wagtail	6	1	Within arable and pastoral fields within the Site and wider survey area.
Pied Wagtail	3	3	Within boundary hedgerows and trees within the Site and close to built areas within the wider survey area.
Meadow Pipit	2	0	Within pastoral fields within the Site.
Chaffinch	21	4	Within boundary hedgerows, trees and woodland within the Site and wider survey area.
Linnet	6	0	Within boundary hedgerows, trees and woodland within the Site and wider survey area.
Goldfinch	5	2	Within boundary hedgerows, trees and woodland within the Site and wider survey area.
Corn Bunting	1	0	On boundary of pastoral field within the Site.
Yellowhammer	18	2	Within boundary hedgerows and trees within the Site and wider survey area.
Reed Bunting	7	0	Within hedgerows with ditches within the Site.

3.1.12 During survey visits, observations of twenty-two other species were also made, but for which established breeding evidence was not recorded within the survey area. This included:

- White-fronted Goose
- Greylag Goose
- Egyptian Goose
- Pochard
- Common Tern
- Great White Egret
- Little Egret
- Grey Heron
- Kestrel
- Hobby
- Peregrine
- Hen Harrier
- Sand Martin
- House Martin
- Swift
- Starling
- Tree Pipit
- Spotted Flycatcher
- Fieldfare
- Wheatear
- Siskin
- Brambling

3.1.13 Five of these non-breeding species are listed under Schedule 1 of the Wildlife and Countryside Act 1981 (as amended); hen harrier, hobby, peregrine, brambling and fieldfare. Four species are also listed on Annex 1 of the Directive 2009/147/EC (Birds Directive); common tern, little egret, hen harrier and peregrine.

FIGURE 1: BREEDING BIRD SURVEY PLAN



Mylen Leah Solar Farm Breeding Bird Survey Report

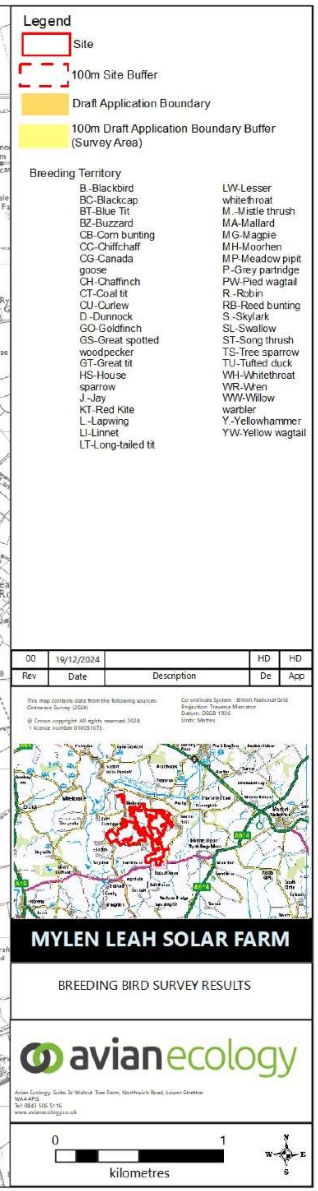
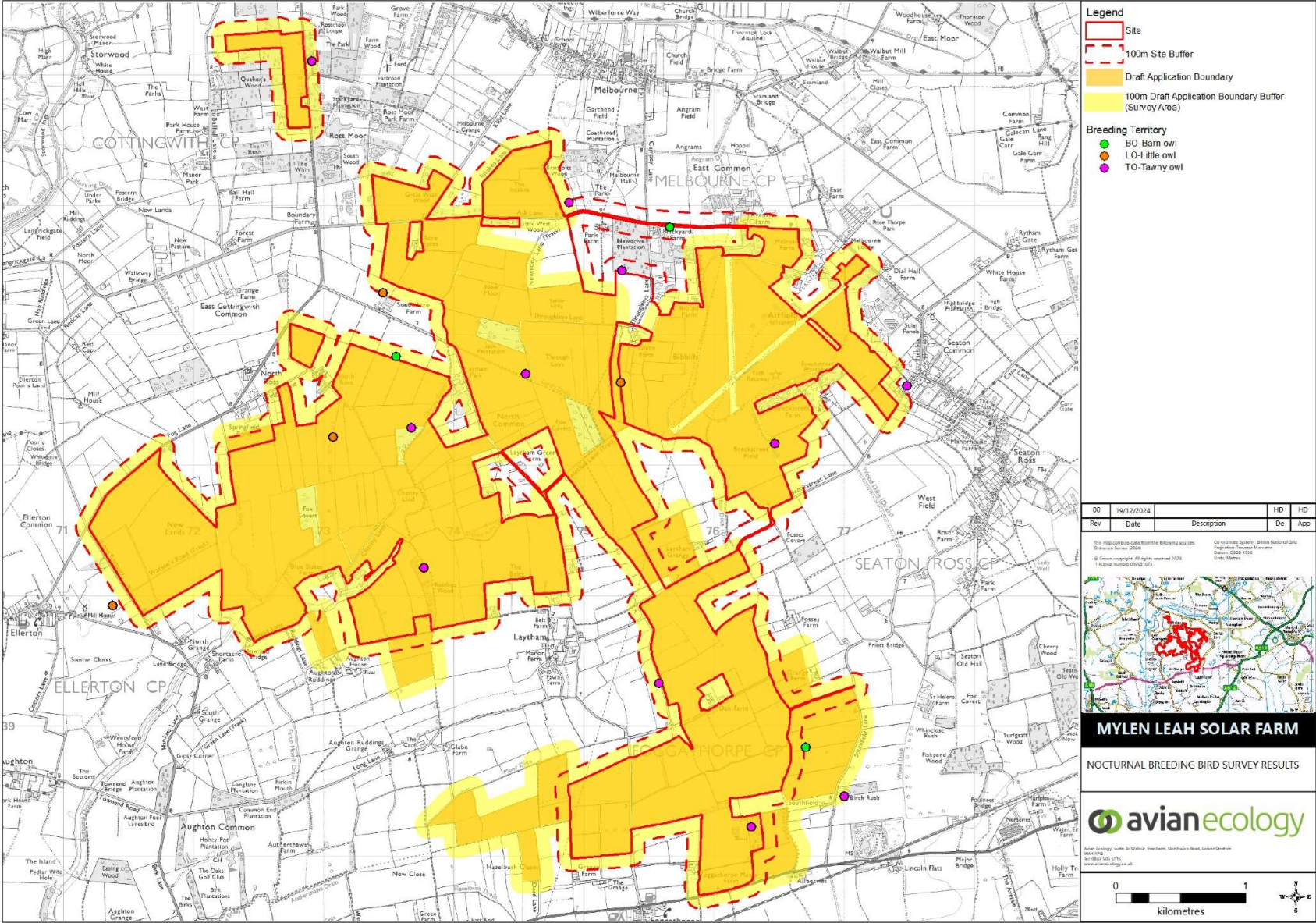


FIGURE 3: BREEDING BIRD SURVEY RESULTS (NOCTURNAL)



ANNEX 1 BIRD SPECIES SUMMARY

Table A1 provides a list of bird species recorded during the breeding bird surveys. Both common and species names are presented along with a summary of each species conservation status using the following abbreviations:

- Annex 1 – European Birds Directive Annex I species;
- S1 – Schedule 1 of the Wildlife & Countryside Act 1981 (as amended);
- BoCC – Birds of Conservation Concern as listed by leading bird conservation organisations in the UK, including the RSPB and BTO. Red and Amber categories are given (Stanbury *et al.*, 2021);
- NERC S41 – species listed as rare and most threatened on the NERC Act (2006); and,
- LBAP – species listed under the East Riding of Yorkshire Local Biodiversity Action.

Table A1: Summary of bird species.

Common name	Species name	Conservation status
White-fronted Goose	<i>Anser albifrons</i>	Red; NERC S41
Greylag Goose	<i>Anser anser</i>	Amber
Canada Goose	<i>Branta canadensis</i>	-
Egyptian Goose	<i>Alopochen aegyptiaca</i>	-
Mallard	<i>Anas platyrhynchos</i>	Amber
Tufted Duck	<i>Aythya fuligula</i>	Green
Pochard	<i>Aythya ferina</i>	Red
Grey Partridge	<i>Perdix perdix</i>	Red; NERC S41; LBAP
Swift	<i>Apus apus</i>	Red
Moorhen	<i>Gallinula chloropus</i>	Amber
Lapwing	<i>Vanellus vanellus</i>	Red; NERC S41;
Curlew	<i>Numenius arquata</i>	Red; NERC S41; LBAP
Common Tern	<i>Sterna hirundo</i>	Amber; Annex 1
Grey Heron	<i>Ardea cinerea</i>	Green
Great White Egret	<i>Ardea alba</i>	Amber; Annex 1
Little Egret	<i>Egretta garzetta</i>	Green; Annex 1
Hen Harrier	<i>Circus cyaneus</i>	Red; S1; Annex 1; NERC S41
Red Kite	<i>Milvus milvus</i>	Green; S1; Annex 1
Buzzard	<i>Buteo buteo</i>	Green
Kestrel	<i>Falco tinnunculus</i>	Amber
Hobby	<i>Falco subbuteo</i>	Green; S1
Peregrine	<i>Falco peregrinus</i>	Green; S1; Annex 1
Barn Owl	<i>Tyto alba</i>	Green; S1
Tawny Owl	<i>Strix aluco</i>	Amber
Little Owl	<i>Athene noctua</i>	-
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Green
Rook	<i>Corvus frugilegus</i>	Amber
Jay	<i>Garrulus glandarius</i>	Green
Magpie	<i>Pica pica</i>	Green
Blue Tit	<i>Cyanistes caeruleus</i>	Green
Great Tit	<i>Parus major</i>	Green
Coal Tit	<i>Parus ater</i>	Green

Common name	Species name	Conservation status
Skylark	<i>Alauda arvensis</i>	Red; NERC S41; LBAP
Sand Martin	<i>Riparia riparia</i>	Green
Swallow	<i>Hirundo rustica</i>	Green
House Martin	<i>Delichon urbicum</i>	Red
Long-tailed Tit	<i>Aegithalos caudatus</i>	Green
Willow Warbler	<i>Phylloscopus trochilus</i>	Amber
Chiffchaff	<i>Phylloscopus collybita</i>	Green
Blackcap	<i>Sylvia atricapilla</i>	Green
Lesser Whitethroat	<i>Curruca curruca</i>	Green
Whitethroat	<i>Curruca communis</i>	Amber
Wren	<i>Troglodytes troglodytes</i>	Amber
Starling	<i>Sturnus vulgaris</i>	Red; NERC S41
Spotted Flycatcher	<i>Muscicapa striata</i>	Red; NERC S41
Song Thrush	<i>Turdus philomelos</i>	Amber; NERC S41
Mistle Thrush	<i>Turdus viscivorus</i>	Red
Blackbird	<i>Turdus merula</i>	Green
Fieldfare	<i>Turdus pilaris</i>	Red; S1
Robin	<i>Erithacus rubecula</i>	Green
Stonechat	<i>Saxicola rubicola</i>	Green
Wheatear	<i>Oenanthe oenanthe</i>	Amber
Tree Sparrow	<i>Passer montanus</i>	Red; NERC S41; LBAP
House Sparrow	<i>Passer domesticus</i>	Red; NERC S41; LBAP
Dunnock	<i>Prunella modularis</i>	Amber; NERC S41
Yellow Wagtail	<i>Motacilla flava</i>	Red; NERC S41; LBAP
Pied Wagtail	<i>Motacilla alba yarellii</i>	Amber
Meadow Pipit	<i>Anthus pratensis</i>	Amber
Tree Pipit	<i>Anthus trivialis</i>	Red; NERC S41
Chaffinch	<i>Fringilla coelebs</i>	Green
Linnet	<i>Linaria cannabina</i>	Red; NERC S41; LBAP
Siskin	<i>Spinus spinus</i>	Green
Brambling	<i>Fringilla montifringilla</i>	Green; S1
Goldfinch	<i>Carduelis carduelis</i>	Green
Corn Bunting	<i>Emberiza calandra</i>	Red; NERC S41; LBAP
Yellowhammer	<i>Emberiza citrinella</i>	Red; NERC S41; LBAP
Reed Bunting	<i>Emberiza schoeniclus</i>	Amber; NERC S41

ANNEX 2: BREEDING BIRD SURVEY EFFORT

Visit	Date	Start Time (24 hrs)	End time (24 hrs)	Sunrise/ sunset (24 hrs)	Wind Speed	Wind Direction	Rain	Cloud Height	Cloud Cover	Visibility	Frost	Snow	Temperature (°C)
1	17/04/24	06:00	10:30	05:57	5	NW	0	2	2/8	2	0	0	
1	18/04/24	06:00	10:30	05:55	5	W	0	2	4/8	2	0	0	
1	19/04/24	06:00	10:30	05:53	6	NW	2	2	8/8	2	0	0	
1	20/04/24	06:00	11:00	05:51	5	N	2	2	8/8	2	0	0	
1	23/04/24	06:30	11:00	05:44	4	N	0	2	4/8	2	0	0	
1	24/04/24	06:00	11:00	05:42	5	NE	2	2	8/8	2	0	0	
1	25/04/24	06:00	11:00	05:39	4	N	0	2	8/8	2	0	0	
1	26/04/24	06:00	11:00	05:37	2	NE	0	2	8/8	2	0	0	
1	27/04/24	06:00	11:00	05:37	2	E	0	2	6/8	2	0	0	
2	06/05/24	06:00	10:30	05:17	3	S	0	2	2/8	2	0	0	
2	08/05/24	06:00	10:30	05:13	3	SE	0	2	1/8	2	0	0	
2	10/05/24	06:00	11:00	05:09	3	NE	0	2	8/8	2	0	0	
2	13/05/24	05:30	10:45	05:04	2	SE	0	2	4/8	2	0	0	
2	15/05/24	05:30	10:45	05:01	3	E	1	2	8/8	2	0	0	
2	17/05/24	05:30	10:45	04:57	3	E	0	2	2/8	2	0	0	
2	20/05/24	05:30	11:00	04:53	4	N	0	2	8/8	2	0	0	
2	22/05/24	06:00	11:00	04:50	3	NE	2	2	8/8	2	0	0	
2	24/05/24	05:30	11:00	04:47	3	SW	0	2	7/8	2	0	0	
2	27/05/24	05:30	11:00	04:44	4	SW	0	2	4/8	2	0	0	
2	31/05/24	05:30	11:00	04:39	5	NW	0	2	6/8	2	0	0	
3	14/05/24	19:00	01:00	20:59	2	SW	0	2	7/8	2	0	0	
3	15/05/24	19:00	01:00	21:01	1	E	0	2	2/8	2	0	0	
3	18/05/24	19:00	01:00	21:06	3	NW	0	2	2/8	2	0	0	
3	05/06/24	19:00	01:00	21:30	4	W	0	2	5/8	2	0	0	
3	08/06/24	19:00	01:00	21:33	2	NW	0	2	5/8	2	0	0	
3	09/06/24	19:00	01:00	21:34	3	N	0	2	6/8	2	0	0	

4	07/06/24	06:00	10:30	04:34	3	W	0	2	6/8	2	0	0	
4	10/06/24	06:00	10:30	04:33	4	NW	0	2	8/8	2	0	0	
4	12/06/24	05:30	11:00	04:32	2	NW	0	2	8/8	2	0	0	
4	14/06/24	05:30	11:00	04:31	3	SW	0	2	3/8	2	0	0	
4	15/06/24	05:30	10:45	04:31	3	SW	0	2	4/8	2	0	0	
4	17/06/24	05:30	10:45	04:31	3	W	1	2	1/8	2	0	0	
4	19/06/24	05:30	10:45	04:31	2	NE	0	2	2/8	2	0	0	
4	21/06/24	06:00	11:00	04:32	3	SW	0	2	0/8	2	0	0	
4	24/06/24	06:00	11:00	04:33	1	W	0	2	0/8	2	0	0	
4	25/06/24	05:30	10:00	04:33	1	SE	0	2	1/8	2	0	0	
4	26/06/24	05:30	10:00	04:34	2	E	0	2	3/8	2	0	0	
4	28/06/24	05:30	10:00	04:35	6	W	0	2	5/8	2	0	0	
5	01/07/24	06:00	10:30	04:37	3	NW	0	2	4/8	2	0	0	
5	03/07/24	05:30	10:45	04:38	4	SW	0	2	6/8	2	0	0	
5	05/07/24	06:00	11:00	04:40	3	W	0	2	5/8	2	0	0	
5	08/07/24	06:00	11:00	04:43	0	-	0	2	5/8	2	0	0	
5	17/07/24	06:00	10:30	04:55	2	W	0	2	0/8	2	0	0	
5	18/07/24	05:30	10:45	04:56	3	SW	1	2	4/8	2	0	0	
5	19/07/24	05:30	10:00	04:57	2	E	0	2	1/8	2	0	0	
5	22/07/24	05:30	10:45	05:02	3	SW	0	2	3/8	2	0	0	
5	23/07/24	05:30	11:00	05:03	1	NW	0	2	4/8	2	0	0	
5	24/07/24	05:30	11:00	05:05	2	SW	0	2	7/8	2	0	0	
5	25/07/24	05:30	10:00	05:07	4	SW	0	2	6/8	2	0	0	
5	26/07/24	05:30	10:00	05:08	2	W	0	2	2/8	2	0	0	

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		Light Showers	1			150-500m	1
Light breeze	2	N	Heavy Showers	2			>500m	2
Mod. breeze	4	NE	Light rain	3				
Fresh breeze	5	ENE	Heavy rain	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							