

Technical Appendix 7.1: Baseline Ornithology Surveys



Ravengill Energy Park

Baseline Ornithology Surveys

Technical Appendix 7.1

Ravengill Energy Park Ltd.

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Basis of Report

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1.0 Introduction

SLR were commissioned by the Applicant to complete baseline ornithological surveys at the proposed Ravengill Wind Farm (hereafter referred to as 'the Proposed Development'), located 1 km to the north of Leadhills village and 1.5 km south of Abington village, with the A74(M) motorway located to the east, in South Lanarkshire, Scotland. The surveys were conducted between September 2023 and August 2025 to inform an assessment of the potential ornithological effects of the Proposed Development on the species assemblage present.

This technical appendix summarises the methods employed and the results of the field surveys and is supported by the following Annexes.

- **Annex A:** Ornithological Survey Effort and General Information;
- **Annex B:** Ornithological Survey Results.

In Scotland, all wild birds are protected under the Wildlife and Countryside Act 1981ⁱ (the 'Act'), as amended by the Nature Conservation (Scotland) Act 2004ⁱⁱ. This protection also extends to their eggs and nests, with further special protection under the Act afforded to species listed on Schedule 1 of the Act. **Confidential Technical Appendix 7.2 (EIAR Volume 4)** contains the sensitive information relating to species listed on Schedule 1 of the Act, those listed on Annex I of the EU Birds Directiveⁱⁱⁱ or species defined by NatureScot (2016^{iv}, 2025^v) to be 'environmentally sensitive species'.

Information relating to the collision risk modelling (CRM) is detailed in **Technical Appendix 7.3**.

A range of surveys were employed to accurately record baseline conditions within the Proposed Development and appropriate survey areas, as detailed in **Section 2.0**. In this Technical Appendix, associated **Annexes A & B**, **Confidential Technical Appendix 7.2**, **Technical Appendix 7.3**, and **Chapter 7 (Ornithology)** of the Environmental Impact Assessment Report (EIAR). Terms referred to are as follows:

- 'the Site' refers to the area within the Application Boundary (refer to **Figure 7.3, EIAR Volume 3a**);
- 'survey area' is defined as the area covered by each survey type for the Proposed Development; and
- 'study area' is defined as the area of consideration of effects on each species at the time of assessment (refer to **Figure 7.3, EIAR Volume 3a**).

2.0 Baseline Field Survey Methods

A target species list for surveying/recording was defined from the following lists and refined on the basis of the species perceived sensitivity to onshore wind farm developments (i.e., as set out in NatureScot 2025a^{vi} and Annex 1 of NatureScot 2025b^{vii}):

- Annex I of the EU Birds Directive^{viii};
- Schedule 1 the Wildlife and Countryside Act 1981 (as amended)^{ix}; and
- Species (excluding passerines) included on the Birds of Conservation Concern (BoCC) red list (Stanbury *et al.* 2022^x and Stanbury *et al.* 2024^{xi}).

Secondary species for survey/recording were defined as the non-red list raptor and owl species (i.e. buzzard, kestrel, sparrowhawk, tawny owl and long-eared owl), amber or green listed waders, feral

species (e.g. Canada goose), mallard, raven and any notable Schedule 1 or red listed passerine species observed during surveys.

The following surveys were undertaken at the Site between September 2023 and August 2025:

- Flight activity surveys: A total of nine vantage points (VPs) were used across two breeding seasons and two non-breeding seasons (**Figure 7.2, EIAR Volume 3a**). Surveys were undertaken monthly with reference to NatureScot 2025a^{vi}.
- Black grouse surveys: 1.5 km survey buffer, two breeding seasons with visits in April and May. Surveys were undertaken with reference to NatureScot 2025a^{vi} and Gilbert *et al.* (1998^{xii});
- Scarce breeding bird¹ surveys: 2 km survey buffer, two breeding seasons with monthly visits between March and August. Surveys were undertaken with reference to NatureScot 2025a^{vi}, Hardey *et al.* (2013^{xiii}) and Gilbert *et al.* (1998^{xii});
- Moorland breeding bird surveys: 500 m survey buffer, two breeding seasons with monthly visits between April and July. Surveys were undertaken with reference to NatureScot 2025a^{vi}, Brown & Shepherd (1993^{xiv}), Bibby *et al.* (2000^{xv}) and Calladine *et al.* (2009^{xvi}); and
- Winter walkover surveys: 500 m survey buffer, two non-breeding seasons with three visits between November and February. Surveys were undertaken with reference to NatureScot 2025a^{vi}, Hardey *et al.* (2013^{xiii}) and Gilbert *et al.* (1998^{xii}).

VP selection and viewshed analysis was conducted using Arc GIS Pro to confirm suitable VP locations and their associated visible areas (viewsheds) at 20 m above ground level², with reconnaissance surveys undertaken to refine VP locations as needed. Care was taken to maximise the area visible from accessible land whilst minimising potential disturbance to birds and with reference to NatureScot guidance regarding viewshed selection. The final nine VP locations were selected with the aim of achieving coverage of all the proposed turbine locations such that no turbine was more than 2 km from a VP. This objective was achieved for all the turbines.

3.0 Baseline Survey Summary

All valid surveys were undertaken during suitable weather conditions (refer to **Annex A**). Where weather conditions deteriorated below acceptable conditions (refer to **Annex A**), surveys were either suspended or additional surveys were undertaken. In the case of flight activity surveys, any time where the visibility was <1 km was excluded from total survey effort and subsequent analysis. Surveys for species listed on Schedule 1 of the Act were carried out by appropriately licensed surveyors. All survey data were reviewed, inputted, and analysed by SLR.

A total of 84 bird species were recorded within, or adjacent to, the Site during the various ornithological surveys conducted (**Table 7-1-1**). Survey effort and results of the field surveys are detailed within **Annex A** and **Annex B**. The following sections summarise the results from the flight activity surveys and the various distribution and abundance surveys (by species groups).

¹ For these surveys, 'scarce breeding birds' are considered to include any regionally present raptors, divers or owls listed on Schedule 1 of the Act and/or Annex I of the EU Birds Directive.

² The viewsheds are based on a 5 m DTM to provide a representation of visibility from the observer locations; this is confirmed and refined through field site visits.



3.1 Flight Activity

Valid survey effort³ is detailed in **Table 7-1-1** and full details of the flight activity surveys are contained in **Annex A**. NatureScot recommend a minimum of 36 hours of valid survey hours per VP per season (NatureScot 2025a^{vi}), which was achieved.

Table 7-1-1:Summary of total hours of valid survey per VP per season

Period	VP1	VP2	VP3	VP4	VP5	VP7	VP8	VP9	VP10
2023/2024 non-breeding season	36	36	36	36	36	36	36	36	36
2024 breeding season	36	36	36	36	36	36	36	36	36
2024/2025 non-breeding season	36	36	36	36	36	36	36	36	36
2025 breeding season	36	36	36	36	36	36	36	36	36

A total of 16 target species were recorded during the flight activity surveys (further details are provided in **Annex B**). For each species across the whole flight activity survey period, **Table 7-1-2** shows the total number of flights recorded and the total number of birds recorded⁴. The bird seconds are calculated for each observation as the product of flight duration and number of individuals. This is then summed per species to give the total bird seconds recorded across the entire surveyed period. Refer to **Technical Appendix 7.3 (EIAR Volume 4)** for information relating to the CRM.

Table 7-1-2: Target species recorded and total number of flights recorded during flight activity surveys, 2023-2025

Species	Total number of flightlines recorded	Total number of birds recorded	Total bird seconds recorded
Black grouse	1	1	6
Curlew	50	77	3296
Golden eagle	20	22	4022
Golden plover	20	396	43050
Goshawk	2	2	81
Greylag goose	7	84	13591
Hen harrier	34	36	5478
Herring gull	10	70	10011
Lapwing	20	35	1395
Merlin	9	10	579
Peregrine falcon	5	5	313
Pink-footed goose	8	252	40731
Red kite	547	706	110903
Ringed plover	1	1	15
Short-eared owl	1	1	73
Whooper swan	2	4	126

³ Hours where visibility was >1 km are not considered valid for use in collision risk modelling as less than half the 2 km viewshed can be seen.

3.2 Black Grouse

No Lekking activity was recorded for black grouse during surveys. Records of black grouse activity were limited to three instances of non-lekking males, with 1-2 individuals being recorded in each instance. Full details of black grouse surveys and a breakdown of all black grouse activity provided within **Annex A** and **Annex B**.

3.3 Raptors and Owls

3.3.1 Breeding

Red kite were confirmed to be breeding within the survey area, with potential/probable breeding evidence of barn owl, hen harrier, merlin and short-eared owl; activity is summarised in **Table 7-1-3**. Golden eagle, goshawk, osprey and peregrine falcon were also recorded during the spring/summer but were not considered to be breeding/no breeding attempts were located. **Annex B** and **Confidential Technical Appendix 7.2 (EIAR Volume 4)** contain the full details of all activity relating to target raptor and owl species; refer to **Annex A** for general weather/survey data.

Table 7-1-3: Target raptor and owl activity summary (breeding seasons)

Species	2024	2025
Barn owl	Fifteen potential nest locations identified	Fifteen potential nest locations identified
Hen harrier	One probable and one potential breeding territory	One potential territory
Merlin	One potential territory	Potential breeding behaviour recorded
Red kite	One confirmed territory, minimum one chick fledged	One confirmed territory, two chicks fledged
Short-eared owl	One potential territory	No evidence of breeding

Buzzard, kestrel, and sparrowhawk (secondary raptor species) were also recorded across the survey area and are likely to have bred within the wider area.

3.3.2 Roosting/Wintering Activity

No species were confirmed to be roosting within the survey area with one potential location recorded for red kite, and fifteen potential locations recorded for barn owl; activity is summarised in **Table 7-1-4**. Golden eagle, goshawk, hen harrier and peregrine falcon were infrequently recorded during the autumn/winter. **Annex B** and **Confidential Technical Appendix 7.2 (EIAR Volume 4)** contain the full details of all activity relating to target raptor and owl species; refer to **Annex A** for general weather/survey data.

Table 7-1-4: Target raptor and owl activity summary (non-breeding seasons)

Species	2023/2024	2024/2025
Barn owl	Fifteen potential roosting locations identified	Fifteen potential roosting locations identified
Red kite	One potential roost location	No evidence of roosting

⁴ This includes flights that would not technically be ‘at-risk’ of collision (e.g. recorded outwith the Collision Risk Analysis Area (CRAA) and/or not at rotor height).



3.4 Breeding Waders

Surveys recorded eight wader species, all of which were considered to be breeding (Table 7-1-5). Annex B contains the full details of all target wader activity recorded; refer to Annex A for general weather/survey data.

Table 7-1-5: Breeding wader territories, 2024 and 2025

Species	Number of territories 2024	Number of territories 2025
Common sandpiper	2 - 5	0 - 1
Curlew	14 - 17	15 - 19
Golden plover	5 - 6	4 - 5
Lapwing	17 - 20	10 - 15
Oystercatcher	3 - 4	4 - 10
Redshank	0 - 1	0 - 1
Ringed plover	0 – 1	0
Snipe	19 - 25	10 - 11

3.5 Non-Breeding Waterfowl and Waders

Surveys recorded limited records of target wader/waterfowl species during the autumn/winter (Table 7-1-6). Annex B contains the full details of all target wader activity recorded; refer to Annex A for general weather/survey data.

Table 7-1-6: Target species wintering activity (number of birds recorded per visit)

Species	2023-2024 non-breeding season		2024-2025 non-breeding season	
	Number of records	Total number of birds	Number of records	Total number of birds
Golden plover	1	1	1	1
Greylag goose	-	-	1	5
Lapwing	1	6	2	37
Oystercatcher	2	4	1	21
Pink-footed goose	-	-	1	28

3.6 Gulls

Five species of gull were recorded throughout the duration of surveys: black-headed gull, common gull, great black-backed gull, herring gull and lesser black-backed gull. Black-headed gull were identified to be breeding at a colony at the Elvanfoot substation (over 2 km from the nearest proposed turbine). The remaining gull species were only infrequently recorded with no evidence of breeding.

4.0 Bird Species Index

Table 7-1-7: List of bird species recorded during baseline surveys

Species	Conservation status	Species	Conservation status
Barn owl	Schedule 1, BoCC Green	Mistle thrush	BoCC Red
Black grouse	BoCC Red	Osprey	Annex 1, Schedule 1, BoCC Amber
Blackbird	BoCC Green	Oystercatcher	BoCC Amber
Blackcap	BoCC Green	Peregrine falcon	Annex 1, Schedule 1, BoCC Green
Black-headed gull	BoCC Amber	Pheasant	No status
Buzzard	BoCC Green	Pied wagtail	BoCC Green
Carrion crow	BoCC Green	Pink-footed goose	BoCC Amber
Chaffinch	BoCC Green	Raven	BoCC Green
Coal tit	BoCC Green	Red grouse	BoCC Green
Collared dove	BoCC Green	Red kite	Annex 1, Schedule 1, BoCC Green
Common gull	BoCC Red	Red-legged partridge	No status
Common sandpiper	BoCC Amber	Redpoll	BoCC Red
Cormorant	BoCC Green	Redshank	BoCC Amber
Cuckoo	BoCC Red	Redwing	Schedule 1, BoCC Amber
Curlew	BoCC Red	Reed bunting	BoCC Amber
Dipper	BoCC Amber	Ring ouzel	BoCC Red
Duncock	BoCC Amber	Ringed plover	BoCC Red
Feral pigeon	BoCC Green	Robin	BoCC Green
Fieldfare	Schedule 1, BoCC Red	Rook	BoCC Amber
Golden eagle	Annex 1, Schedule 1, BoCC Green	Sand martin	BoCC Green
Golden plover	Annex 1, BoCC Green	Sedge warbler	BoCC Amber
Goldfinch	BoCC Green	Short-eared owl	Annex 1, BoCC Amber
Goosander	BoCC Green	Siskin	BoCC Green
Goshawk	Schedule 1, BoCC Green	Skylark	BoCC Red
Grasshopper warbler	BoCC Red	Snipe	BoCC Amber
Great black-backed gull	BoCC Red	Snow bunting	Schedule 1, BoCC Amber
Great tit	BoCC Green	Song thrush	BoCC Amber
Grey heron	BoCC Green	Sparrowhawk	BoCC Amber
Grey wagtail	BoCC Amber	Spotted flycatcher	BoCC Red
Greylag goose	BoCC Amber	Starling	BoCC Red
Hen harrier	Annex 1, Schedule 1, BoCC Red	Stonechat	BoCC Green
Herring gull	BoCC Red	Swallow	BoCC Green
House martin	BoCC Red	Swift	BoCC Red
Jackdaw	BoCC Green	Teal	BoCC Amber
Kestrel	BoCC Amber	Tufted duck	BoCC Green
Lapwing	BoCC Red	Twite	BoCC Red



Species	Conservation status	Species	Conservation status
Lesser black-backed gull	BoCC Amber	Wheatear	BoCC Amber
Linnet	BoCC Red	Whinchat	BoCC Red
Magpie	BoCC Green	Whooper swan	Annex 1, Schedule 1, BoCC Amber
Mallard	BoCC Amber	Willow warbler	BoCC Amber
Meadow pipit	BoCC Amber	Woodpigeon	BoCC Amber
Merlin	Annex 1, Schedule 1, BoCC Red	Wren	BoCC Amber

ⁱ Scottish Government (1981). Wildlife and Countryside Act 1981. Available at: <https://www.legislation.gov.uk/ukpga/1981/69>

ⁱⁱ Scottish Government (2004). Nature Conservation (Scotland) Act 2004. Available at: <https://www.legislation.gov.uk/asp/2004/6/contents>

ⁱⁱⁱ Conservation of Wild Birds ('Birds Directive'). Directive 2009/147/EC of the European Parliament and of the Council. Available at: <https://www.legislation.gov.uk/eudr/2009/147/contents>

^{iv} NatureScot (2016). Environmental Statements and Annexes of Environmentally Sensitive Bird Information. Available at: <https://www.nature.scot/doc/environmental-statements-and-annexes-environmentally-sensitive-bird-information>

^v NatureScot. Sensitive Species of Scotland. Available at: <https://www.nature.scot/doc/sensitive-species-scotland-list>

^{vi} NatureScot (2025a) Recommended Bird Survey Methods to inform impact assessment of Onshore Windfarms. Available at: <https://www.nature.scot/doc/recommended-bird-survey-methods-inform-impact-assessment-onshore-windfarms>

^{vii} NatureScot (2025b) Assessing the significance of impacts on bird populations from onshore wind farms that do not affect protected areas. Available at: <https://www.nature.scot/doc/guidance-note-assessing-significance-impacts-bird-populations-onshore-wind-farms-do-not-affect>

^{viii} Directive 2009/147/EC of the European Parliament and of the Council. Available at: <https://www.legislation.gov.uk/eudr/2009/147/contents>

^{ix} Scottish Government (1981). Wildlife and Countryside Act 1981. Available at: <https://www.legislation.gov.uk/ukpga/1981/69>

^x 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

^{xi} Stanbury, A. J., Burns, F., Aebischer, N. J., Baker, H., Balmer, D. E., Brown, A., Dunn, T., Lindley, P., Murphy, M., Noble, D. G., Owens, R., and Quinn, L. (2024) The status of the UK's breeding seabirds: an addendum to 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, 117, pp. 471-487.

^{xii} Gilbert, G., Gibbons, D. W. and Evans, J. (1998) Bird Monitoring Methods. RSPB, Sandy.

^{xiii} Hardey, J., Crick, H., Wernham, C., Riley, H., Etheridge, B. and Thompson, D. (2013) Raptors: a field guide for surveys and monitoring (3rd edition). The Stationery Office, Edinburgh.

^{xiv} Brown, A. F. and Shepherd, K. B. (1993) A method for censusing upland breeding waders. Bird Study, 40: 189-195.

^{xv} Bibby, C. J., Neil D. Burgess, David A. Hill and Simon H. Mustoe (2000) Bird Census Techniques, 2nd Edition, London, Academic Press.

^{xvi} Calladine, J., Garner, G., Wernham, C., & Thiel, A. (2009) The influence of survey frequency on population estimates of moorland breeding birds. Bird Study, 56: 3, 381-388.





Ravengill Energy Park

Ornithological Baseline Survey Effort

Technical Appendix 7.1 Annex A

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Annex A Ornithological Baseline Survey effort

Table A-1 shows the system used for recording weather conditions on all the surveys (sections A.1 to A.2 below).

Table A-1: Key to meteorological conditions recorded during all surveys

Wind speed				Rain		Cloud cover		Cloud height	
Calm	0	Moderate gale	7	None	0	In eighths		<150 m	0
Light air	1	Fresh gale	8	Drizzle/Mist	1	e.g.	3/8	150-500 m	1
Light breeze	2	Strong gale	9	Light showers	2			>500 m	2
Gentle breeze	3	Whole gale	10	Heavy showers	3				
Moderate breeze	4	Storm	11	Heavy rain	4				
Fresh breeze	5	Hurricane	12	Snow		Frost		Visibility	
Strong breeze	6			None	0	None	0	Poor (<1 km)	0
				On site	1	Ground	1	Moderate (1-2 km)	1
				High ground	2	All day	2	Good (>2 km)	2

A.1 Flight Activity Surveys

Details of the flight activity survey hours undertaken across each Vantage Point (VP) location are supplied in Table A-2 (survey hours per VP per season are summarised in Technical Appendix 7.1, EIAR Volume 4) and the associated weather data recorded is detailed in Table A-3. Refer to Annex B for survey results.

Table A-2: Summary of flight activity surveys undertaken at Ravengill (sorted chronologically)

Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
13/09/2023	2023/2024 NBR	MW	8	715	1015	3
13/09/2023	2023/2024 NBR	TH	1	930	1230	3
13/09/2023	2023/2024 NBR	MW	8	1045	1345	3
13/09/2023	2023/2024 NBR	TH	1	1300	1600	3
14/09/2023	2023/2024 NBR	MW	7	830	1130	3
14/09/2023	2023/2024 NBR	MW	7	1200	1500	3
15/09/2023	2023/2024 NBR	TH	4	945	1245	3
15/09/2023	2023/2024 NBR	TH	4	1315	1615	3
28/09/2023	2023/2024 NBR	EB	2	900	1200	3
28/09/2023	2023/2024 NBR	TH	3	900	1200	3
28/09/2023	2023/2024 NBR	JB	5	915	1215	3
28/09/2023	2023/2024 NBR	EB	2	1230	1530	3
28/09/2023	2023/2024 NBR	TH	3	1230	1530	3
28/09/2023	2023/2024 NBR	JB	5	1245	1545	3
29/09/2023	2023/2024 NBR	EB	9	915	1215	3

Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
29/09/2023	2023/2024 NBR	TH	10	930	1230	3
29/09/2023	2023/2024 NBR	EB	9	1245	1445	2
29/09/2023	2023/2024 NBR	TH	10	1300	1500	2
10/10/2023	2023/2024 NBR	EB	2	930	1230	3
10/10/2023	2023/2024 NBR	TH	3	930	1230	3
10/10/2023	2023/2024 NBR	EB	2	1300	1500	2
10/10/2023	2023/2024 NBR	TH	3	1300	1500	2
11/10/2023	2023/2024 NBR	JB	4	935	1235	3
11/10/2023	2023/2024 NBR	TH	5	945	1245	3
11/10/2023	2023/2024 NBR	JB	4	1305	1505	2
11/10/2023	2023/2024 NBR	TH	5	1315	1515	2
12/10/2023	2023/2024 NBR	JB	9	930	1230	3
12/10/2023	2023/2024 NBR	EB	10	950	1250	3
12/10/2023	2023/2024 NBR	JB	9	1300	1500	2
12/10/2023	2023/2024 NBR	EB	10	1320	1520	2
17/10/2023	2023/2024 NBR	TH	7	1000	1300	3
17/10/2023	2023/2024 NBR	EB	8	1000	1300	3
17/10/2023	2023/2024 NBR	TH	7	1330	1530	2
17/10/2023	2023/2024 NBR	EB	8	1330	1530	2
27/10/2023	2023/2024 NBR	MW	1	800	1100	3
27/10/2023	2023/2024 NBR	MW	1	1130	1430	3
30/10/2023	2023/2024 NBR	MW	9	730	1030	3
30/10/2023	2023/2024 NBR	MW	9	1100	1400	3
31/10/2023	2023/2024 NBR	MW	10	730	1030	3
31/10/2023	2023/2024 NBR	MW	10	1100	1400	3
07/11/2023	2023/2024 NBR	JB	1	920	1220	3
07/11/2023	2023/2024 NBR	TH	2	930	1230	3
07/11/2023	2023/2024 NBR	EB	3	930	1230	3
07/11/2023	2023/2024 NBR	JB	1	1250	1450	2
07/11/2023	2023/2024 NBR	TH	2	1300	1500	2
07/11/2023	2023/2024 NBR	EB	3	1300	1500	2
08/11/2023	2023/2024 NBR	EB	7	1000	1300	3
08/11/2023	2023/2024 NBR	TH	8	1000	1300	3
08/11/2023	2023/2024 NBR	JB	10	1015	1315	3
08/11/2023	2023/2024 NBR	EB	7	1330	1545	2.25
08/11/2023	2023/2024 NBR	TH	8	1330	1530	2
08/11/2023	2023/2024 NBR	JB	10	1345	1545	2
09/11/2023	2023/2024 NBR	EB	5	930	1230	2
09/11/2023	2023/2024 NBR	TH	9	930	1230	0.5
09/11/2023	2023/2024 NBR	JB	4	935	1235	3

¹ Note: only valid hours (i.e. where visibility was at least 1 km) are presented in this column.



Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
09/11/2023	2023/2024 NBR	EB	5	1300	1500	1.5
09/11/2023	2023/2024 NBR	TH	9	1300	1500	2
09/11/2023	2023/2024 NBR	JB	4	1305	1505	2
04/12/2023	2023/2024 NBR	JB	1	915	1145	0
04/12/2023	2023/2024 NBR	EB	2	915	1145	0
04/12/2023	2023/2024 NBR	TH	3	915	1145	0
05/12/2023	2023/2024 NBR	EB	4	1010	1310	2.75
05/12/2023	2023/2024 NBR	TH	5	1015	1315	3
05/12/2023	2023/2024 NBR	JB	9	1025	1325	2.5
05/12/2023	2023/2024 NBR	EB	4	1340	1540	2
05/12/2023	2023/2024 NBR	TH	5	1345	1515	1
05/12/2023	2023/2024 NBR	JB	9	1355	1525	1
06/12/2023	2023/2024 NBR	EB	7	940	1240	3
06/12/2023	2023/2024 NBR	JB	8	940	1240	3
06/12/2023	2023/2024 NBR	TH	10	1000	1300	3
06/12/2023	2023/2024 NBR	EB	7	1310	1510	2
06/12/2023	2023/2024 NBR	JB	8	1310	1510	2
06/12/2023	2023/2024 NBR	TH	10	1330	1530	2
08/01/2024	2023/2024 NBR	EB	2	930	1230	3
08/01/2024	2023/2024 NBR	TH	3	930	1230	3
08/01/2024	2023/2024 NBR	EB	2	1300	1500	2
08/01/2024	2023/2024 NBR	TH	3	1300	1500	2
09/01/2024	2023/2024 NBR	EB	1	955	1255	3
09/01/2024	2023/2024 NBR	TH	4	1020	1320	3
09/01/2024	2023/2024 NBR	EB	1	1325	1525	2
09/01/2024	2023/2024 NBR	TH	4	1350	1550	2
10/01/2024	2023/2024 NBR	TH	5	930	1100	0
10/01/2024	2023/2024 NBR	EB	9	930	1100	0
11/01/2024	2023/2024 NBR	TH	7	915	1215	3
11/01/2024	2023/2024 NBR	EB	8	915	1215	3
11/01/2024	2023/2024 NBR	TH	7	1245	1445	2
11/01/2024	2023/2024 NBR	EB	8	1245	1445	2
26/01/2024	2023/2024 NBR	JB	5	940	1240	3
26/01/2024	2023/2024 NBR	JB	5	1310	1510	2
08/02/2024	2023/2024 NBR	JRM	9	900	1200	3
08/02/2024	2023/2024 NBR	JRM	9	1230	1330	1
12/02/2024	2023/2024 NBR	LS	2	930	1230	3
12/02/2024	2023/2024 NBR	LS	2	1300	1500	2
13/02/2024	2023/2024 NBR	EB	7	925	1225	3
13/02/2024	2023/2024 NBR	LS	8	925	1225	3
13/02/2024	2023/2024 NBR	EB	7	1255	1455	2
13/02/2024	2023/2024 NBR	LS	8	1255	1455	2

Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
16/02/2024	2023/2024 NBR	LS	2	910	1210	3
16/02/2024	2023/2024 NBR	JB	3	920	1220	3
16/02/2024	2023/2024 NBR	LS	2	1240	1440	2
16/02/2024	2023/2024 NBR	JB	3	1250	1450	2
23/02/2024	2023/2024 NBR	MW	10	730	930	2
23/02/2024	2023/2024 NBR	LS	9	1015	1115	0
27/02/2024	2023/2024 NBR	EB	3	915	1215	3
27/02/2024	2023/2024 NBR	EB	3	1245	1445	2
28/02/2024	2023/2024 NBR	EB	4	1000	1300	3
28/02/2024	2023/2024 NBR	LS	1	1015	1315	3
28/02/2024	2023/2024 NBR	EB	4	1330	1530	2
28/02/2024	2023/2024 NBR	LS	1	1345	1545	2
29/02/2024	2023/2024 NBR	LS	5	915	1215	3
29/02/2024	2023/2024 NBR	EB	1	1005	1305	3
29/02/2024	2023/2024 NBR	LS	5	1245	1515	2.5
29/02/2024	2023/2024 NBR	EB	1	1335	1535	2
01/03/2024	2023/2024 NBR	LS	7	935	1235	3
01/03/2024	2023/2024 NBR	EB	8	935	1235	3
01/03/2024	2023/2024 NBR	LS	7	1305	1505	2
01/03/2024	2023/2024 NBR	EB	8	1305	1505	2
05/03/2024	2023/2024 NBR	EB	2	935	1235	3
05/03/2024	2023/2024 NBR	LS	3	935	1235	3
05/03/2024	2023/2024 NBR	JM	5	935	1235	3
05/03/2024	2023/2024 NBR	EB	2	1305	1505	2
05/03/2024	2023/2024 NBR	LS	3	1305	1505	2
05/03/2024	2023/2024 NBR	JM	5	1305	1505	2
06/03/2024	2023/2024 NBR	LS	9	910	1210	3
06/03/2024	2023/2024 NBR	JM	4	915	1215	3
06/03/2024	2023/2024 NBR	JB	10	945	1245	3
06/03/2024	2023/2024 NBR	LS	9	1240	1440	2
06/03/2024	2023/2024 NBR	JM	4	1245	1500	2.25
06/03/2024	2023/2024 NBR	JB	10	1315	1415	1
07/03/2024	2023/2024 NBR	JM	1	850	1050	2
07/03/2024	2023/2024 NBR	EB	9	920	1220	3
07/03/2024	2023/2024 NBR	LS	10	945	1145	2
07/03/2024	2023/2024 NBR	JM	1	1120	1320	2
07/03/2024	2023/2024 NBR	LS	10	1215	1415	2
07/03/2024	2023/2024 NBR	EB	9	1250	1450	2
08/03/2024	2023/2024 NBR	LS	5	1020	1220	2
19/03/2024	2024 BR	LS	4	830	1130	3
19/03/2024	2024 BR	LS	4	1200	1500	3
20/03/2024	2024 BR	LS	5	915	1215	3



Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
20/03/2024	2024 BR	EB	3	945	1245	3
20/03/2024	2024 BR	JB	1	1000	1300	3
20/03/2024	2024 BR	EB	2	1315	1415	0.5
20/03/2024	2024 BR	JB	1	1330	1430	0
21/03/2024	2024 BR	EB	10	855	925	0.5
21/03/2024	2024 BR	EB	8	955	1255	3
21/03/2024	2024 BR	EB	8	1325	1525	2
22/03/2024	2024 BR	ENS	7	915	1215	3
22/03/2024	2024 BR	JB	5	925	1225	3
22/03/2024	2024 BR	ENS	7	1245	1445	2
22/03/2024	2024 BR	JB	5	1255	1455	2
01/04/2024	2024 BR	JB	2	920	1220	3
01/04/2024	2024 BR	LS	3	920	1220	3
01/04/2024	2024 BR	JB	2	1250	1550	3
01/04/2024	2024 BR	LS	3	1250	1550	3
02/04/2024	2024 BR	LS	10	915	1215	3
02/04/2024	2024 BR	LS	10	1245	1545	3
03/04/2024	2024 BR	LS	5	915	1215	3
03/04/2024	2024 BR	EB	9	1045	1345	3
03/04/2024	2024 BR	LS	5	1245	1545	3
03/04/2024	2024 BR	EB	9	1415	1600	1.75
04/04/2024	2024 BR	EB	1	905	1205	3
04/04/2024	2024 BR	LS	2	910	1210	3
12/04/2024	2024 BR	JB	7	815	1115	3
12/04/2024	2024 BR	EB	8	815	1115	3
12/04/2024	2024 BR	LS	10	815	1115	3
01/05/2024	2024 BR	LS	3	920	1220	3
01/05/2024	2024 BR	EB	1	930	1230	3
01/05/2024	2024 BR	LS	3	1250	1550	3
01/05/2024	2024 BR	EB	1	1300	1600	3
02/05/2024	2024 BR	LS	10	920	1220	3
02/05/2024	2024 BR	LS	10	1250	1550	3
03/05/2024	2024 BR	LS	4	740	1040	3
10/05/2024	2024 BR	JR	5	715	1015	3
10/05/2024	2024 BR	EB	7	715	1015	3
10/05/2024	2024 BR	LS	10	715	1015	3
16/05/2024	2024 BR	EB	2	700	800	0
22/05/2024	2024 BR	LS	9	900	1100	0
06/06/2024	2024 BR	IH	9	910	1210	3
06/06/2024	2024 BR	IH	9	1240	1540	3
07/06/2024	2024 BR	LS	7	900	1200	3
07/06/2024	2024 BR	IH	8	900	1200	3

Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
07/06/2024	2024 BR	LS	7	1230	1530	3
07/06/2024	2024 BR	IH	8	1230	1530	3
26/06/2024	2024 BR	IH	2	815	1115	3
26/06/2024	2024 BR	LS	4	830	1130	3
26/06/2024	2024 BR	IH	2	1145	1445	3
26/06/2024	2024 BR	LS	4	1200	1500	3
27/06/2024	2024 BR	IH	1	800	1100	3
27/06/2024	2024 BR	LS	2	800	1100	3
27/06/2024	2024 BR	IH	1	1130	1430	3
27/06/2024	2024 BR	LS	3	1130	1430	3
28/06/2024	2024 BR	LS	9	740	1040	3
28/06/2024	2024 BR	IH	5	745	1045	3
28/06/2024	2024 BR	LS	9	1110	1410	3
28/06/2024	2024 BR	IH	5	1115	1415	3
22/07/2024	2024 BR	IH	7	830	1130	3
22/07/2024	2024 BR	IH	7	1200	1500	3
23/07/2024	2024 BR	JR	8	815	1115	2
23/07/2024	2024 BR	JR	8	1145	1445	3
24/07/2024	2024 BR	LS	2	830	1130	3
24/07/2024	2024 BR	IH	3	830	1130	3
24/07/2024	2024 BR	JR	1	850	1150	3
24/07/2024	2024 BR	LS	2	1200	1500	3
24/07/2024	2024 BR	IH	3	1200	1500	3
24/07/2024	2024 BR	JR	1	1220	1520	3
25/07/2024	2024 BR	LS	9	800	1100	3
25/07/2024	2024 BR	IH	5	820	1120	1
25/07/2024	2024 BR	JR	4	845	1145	3
25/07/2024	2024 BR	LS	9	1130	1430	3
25/07/2024	2024 BR	IH	5	1150	1450	3
25/07/2024	2024 BR	JR	4	1215	1515	3
29/07/2024	2024 BR	JR	7	820	1120	3
29/07/2024	2024 BR	IH	10	830	1130	3
29/07/2024	2024 BR	JR	7	1150	1450	3
29/07/2024	2024 BR	IH	10	1200	1500	3
30/07/2024	2024 BR	IH	8	815	1115	3
30/07/2024	2024 BR	JR	10	815	1115	3
30/07/2024	2024 BR	IH	8	1145	1445	3
30/07/2024	2024 BR	JR	10	1145	1445	3
31/07/2024	2024 BR	JR	8	820	1120	3
31/07/2024	2024 BR	LS	4	840	1140	3
31/07/2024	2024 BR	JR	8	1150	1450	3
31/07/2024	2024 BR	LS	4	1210	1510	3



Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
01/08/2024	2024 BR	JR	3	1025	1325	3
01/08/2024	2024 BR	LS	2	1035	1335	3
01/08/2024	2024 BR	IH	1	1100	1400	3
01/08/2024	2024 BR	JR	3	1355	1655	3
01/08/2024	2024 BR	LS	2	1405	1705	3
01/08/2024	2024 BR	IH	1	1430	1730	3
02/08/2024	2024 BR	LS	9	800	1100	3
02/08/2024	2024 BR	LS	9	1130	1430	3
02/08/2024	2024 BR	LS	9	1500	1515	0.25
05/08/2024	2024 BR	MW	5	600	900	0
05/08/2024	2024 BR	LS	2	915	1215	3
05/08/2024	2024 BR	IH	3	915	1215	3
05/08/2024	2024 BR	MW	5	1030	1330	0
05/08/2024	2024 BR	LS	2	1245	1345	0
05/08/2024	2024 BR	IH	3	1245	1345	0
06/08/2024	2024 BR	MW	9	700	1000	3
06/08/2024	2024 BR	LS	4	920	1220	3
06/08/2024	2024 BR	IH	1	930	1230	3
06/08/2024	2024 BR	MW	9	1030	1330	3
06/08/2024	2024 BR	LS	4	1250	1550	3
06/08/2024	2024 BR	IH	1	1300	1600	3
06/08/2024	2024 BR	MW	9	1400	1500	1
07/08/2024	2024 BR	IH	7	815	1115	3
07/08/2024	2024 BR	IH	7	1145	1445	3
07/08/2024	2024 BR	IH	7	1515	1615	1
08/08/2024	2024 BR	LS	8	900	1200	3
08/08/2024	2024 BR	IH	10	905	1205	3
08/08/2024	2024 BR	LS	8	1230	1430	2
08/08/2024	2024 BR	IH	10	1235	1505	2.5
09/08/2024	2024 BR	LS	4	920	1220	3
22/08/2024	2024 BR	JR	5	930	1230	3
22/08/2024	2024 BR	JR	5	1300	1600	3
28/08/2024	2024 BR	JR	2	830	1130	2
28/08/2024	2024 BR	JR	2	1200	1230	0.5
28/08/2024	2024 BR	JR	3	1300	1600	3
29/08/2024	2024 BR	JR	5	730	1030	3
02/09/2024	2024/2025 NBR	JR	1	845	1245	0
03/09/2024	2024/2025 NBR	LS	2	830	1130	3
03/09/2024	2024/2025 NBR	JR	3	830	1130	3
03/09/2024	2024/2025 NBR	LS	2	1200	1500	3
03/09/2024	2024/2025 NBR	JR	3	1200	1500	3
04/09/2024	2024/2025 NBR	JR	10	755	1055	3

Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
04/09/2024	2024/2025 NBR	IH	7	800	1100	3
04/09/2024	2024/2025 NBR	LS	8	800	1100	3
04/09/2024	2024/2025 NBR	LS	8	800	1100	3
04/09/2024	2024/2025 NBR	JR	10	1125	1425	3
04/09/2024	2024/2025 NBR	IH	7	1130	1430	3
05/09/2024	2024/2025 NBR	LS	5	915	1215	3
05/09/2024	2024/2025 NBR	LS	5	1245	1545	3
10/09/2024	2024/2025 NBR	JR	1	845	1145	3
10/09/2024	2024/2025 NBR	IH	2	845	1145	3
10/09/2024	2024/2025 NBR	JR	1	1215	1515	3
10/09/2024	2024/2025 NBR	IH	3	1215	1515	3
11/09/2024	2024/2025 NBR	LS	5	815	1115	3
11/09/2024	2024/2025 NBR	IH	4	830	1130	3
11/09/2024	2024/2025 NBR	JR	9	830	1130	3
11/09/2024	2024/2025 NBR	LS	5	1145	1445	3
11/09/2024	2024/2025 NBR	IH	4	1200	1500	3
11/09/2024	2024/2025 NBR	JR	9	1200	1500	3
01/10/2024	2024/2025 NBR	MW	9	800	1100	3
01/10/2024	2024/2025 NBR	MW	9	1130	1430	3
02/10/2024	2024/2025 NBR	MW	10	730	1030	3
02/10/2024	2024/2025 NBR	MW	10	1100	1400	3
03/10/2024	2024/2025 NBR	IH	2	940	1240	3
03/10/2024	2024/2025 NBR	LS	3	940	1240	3
03/10/2024	2024/2025 NBR	ENS	1	945	1245	3
03/10/2024	2024/2025 NBR	IH	2	1310	1510	2
03/10/2024	2024/2025 NBR	LS	3	1310	1510	2
03/10/2024	2024/2025 NBR	ENS	1	1315	1515	2
07/10/2024	2024/2025 NBR	MW	4	800	1100	3
07/10/2024	2024/2025 NBR	MW	4	1130	1430	3
08/10/2024	2024/2025 NBR	MW	5	730	1030	3
08/10/2024	2024/2025 NBR	MW	5	1100	1400	2
09/10/2024	2024/2025 NBR	MW	9	730	1030	3
09/10/2024	2024/2025 NBR	MW	9	1100	1300	2
10/10/2024	2024/2025 NBR	MW	1	800	1100	3
10/10/2024	2024/2025 NBR	MW	1	1130	1330	2
18/10/2024	2024/2025 NBR	IH	7	910	1210	3
18/10/2024	2024/2025 NBR	LW	8	910	1210	3
18/10/2024	2024/2025 NBR	ENS	10	920	1220	3
18/10/2024	2024/2025 NBR	IH	7	1240	1440	2
18/10/2024	2024/2025 NBR	LW	8	1240	1440	2
18/10/2024	2024/2025 NBR	ENS	10	1250	1450	2
05/11/2024	2024/2025 NBR	TH	10	945	1245	3



Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
05/11/2024	2024/2025 NBR	LW	7	950	1250	3
05/11/2024	2024/2025 NBR	TL	8	950	1250	3
05/11/2024	2024/2025 NBR	TH	10	1315	1515	2
05/11/2024	2024/2025 NBR	LW	7	1320	1520	2
05/11/2024	2024/2025 NBR	TL	8	1320	1520	2
06/11/2024	2024/2025 NBR	TL	1	930	1030	0
06/11/2024	2024/2025 NBR	TH	3	930	1030	0
06/11/2024	2024/2025 NBR	LW	2	1000	1000	0
07/11/2024	2024/2025 NBR	MW	4	730	1030	3
07/11/2024	2024/2025 NBR	MW	4	1100	1300	0
13/11/2024	2024/2025 NBR	EB	2	940	1140	0
13/11/2024	2024/2025 NBR	JB	3	940	1140	0
13/11/2024	2024/2025 NBR	TL	1	945	1145	0
15/11/2024	2024/2025 NBR	JB	4	850	905	0.25
15/11/2024	2024/2025 NBR	JB	4	1000	1300	3
15/11/2024	2024/2025 NBR	JB	4	1330	1515	1.75
26/11/2024	2024/2025 NBR	MW	9	800	1100	3
26/11/2024	2024/2025 NBR	MW	9	1130	1330	2
03/12/2024	2024/2025 NBR	MW	1	800	1100	3
03/12/2024	2024/2025 NBR	MW	1	1130	1330	2
16/12/2024	2024/2025 NBR	JB	3	915	1215	3
16/12/2024	2024/2025 NBR	TL	2	945	1245	3
16/12/2024	2024/2025 NBR	JB	3	1245	1445	2
16/12/2024	2024/2025 NBR	TL	2	1315	1515	2
17/12/2024	2024/2025 NBR	JB	8	950	1250	2.17
17/12/2024	2024/2025 NBR	LS	10	1000	1300	3
17/12/2024	2024/2025 NBR	JB	8	1320	1450	1.5
17/12/2024	2024/2025 NBR	LS	10	1330	1500	1.5
18/12/2024	2024/2025 NBR	JB	5	920	1220	3
18/12/2024	2024/2025 NBR	LW	9	925	1225	2.5
18/12/2024	2024/2025 NBR	JB	5	1250	1450	2
18/12/2024	2024/2025 NBR	LW	9	1255	1455	2
19/12/2024	2024/2025 NBR	LW	7	920	1220	3
19/12/2024	2024/2025 NBR	LW	7	1250	1450	2
20/12/2024	2024/2025 NBR	JB	4	915	1215	3
20/12/2024	2024/2025 NBR	JB	4	1245	1445	2
06/01/2025	2024/2025 NBR	TH	4	1100	1400	3
06/01/2025	2024/2025 NBR	TH	4	1430	1630	2
08/01/2025	2024/2025 NBR	IH	2	930	1230	3
08/01/2025	2024/2025 NBR	ENS	3	930	1230	3
08/01/2025	2024/2025 NBR	IH	2	1300	1500	2
08/01/2025	2024/2025 NBR	ENS	3	1300	1500	2

Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
09/01/2025	2024/2025 NBR	JB	2	940	1240	3
09/01/2025	2024/2025 NBR	LS	3	940	1240	3
09/01/2025	2024/2025 NBR	JB	2	1310	1510	2
09/01/2025	2024/2025 NBR	LS	3	1310	1510	2
13/01/2025	2024/2025 NBR	IH	10	1000	1300	3
13/01/2025	2024/2025 NBR	IH	10	1330	1530	2
15/01/2025	2024/2025 NBR	MW	1	815	1115	1
15/01/2025	2024/2025 NBR	MW	1	1145	1345	2
17/01/2025	2024/2025 NBR	TL	7	900	1200	3
17/01/2025	2024/2025 NBR	LS	8	900	1200	3
17/01/2025	2024/2025 NBR	TL	7	1230	1430	2
17/01/2025	2024/2025 NBR	LS	8	1230	1430	2
28/01/2025	2024/2025 NBR	MW	5	815	1115	3
28/01/2025	2024/2025 NBR	TL	1	1000	1300	3
28/01/2025	2024/2025 NBR	TH	3	1015	1315	3
28/01/2025	2024/2025 NBR	MW	5	1145	1345	2
28/01/2025	2024/2025 NBR	TL	1	1330	1530	2
28/01/2025	2024/2025 NBR	TH	2	1345	1545	2
29/01/2025	2024/2025 NBR	MW	7	800	1100	3
29/01/2025	2024/2025 NBR	MW	7	1130	1330	2
30/01/2025	2024/2025 NBR	MW	8	800	1100	3
30/01/2025	2024/2025 NBR	LS	1	945	1145	2
30/01/2025	2024/2025 NBR	TH	4	950	1250	3
30/01/2025	2024/2025 NBR	MW	8	1130	1330	2
30/01/2025	2024/2025 NBR	LS	1	1215	1415	2
30/01/2025	2024/2025 NBR	TH	4	1320	1420	1
05/02/2025	2024/2025 NBR	TL	5	930	1230	3
05/02/2025	2024/2025 NBR	LS	9	945	1145	2
05/02/2025	2024/2025 NBR	LS	9	1215	1445	2.5
05/02/2025	2024/2025 NBR	TL	5	1300	1500	2
06/02/2025	2024/2025 NBR	JB	2	900	1200	1.5
06/02/2025	2024/2025 NBR	EB	1	1000	1300	1
06/02/2025	2024/2025 NBR	JB	2	1230	1530	3
06/02/2025	2024/2025 NBR	EB	1	1330	1530	2
11/02/2025	2024/2025 NBR	MW	2	1300	1330	0.5
13/02/2025	2024/2025 NBR	MW	8	800	920	1.33
17/02/2025	2024/2025 NBR	LW	5	930	1230	3
17/02/2025	2024/2025 NBR	JB	9	930	1230	3
17/02/2025	2024/2025 NBR	LW	5	1300	1400	1
17/02/2025	2024/2025 NBR	JB	9	1300	1500	2
19/02/2025	2024/2025 NBR	ENS	7	910	1210	3
19/02/2025	2024/2025 NBR	JB	8	910	1210	3



Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
19/02/2025	2024/2025 NBR	ENS	7	1240	1440	2
19/02/2025	2024/2025 NBR	JB	8	1240	1440	2
20/02/2025	2024/2025 NBR	LW	3	910	1210	3
20/02/2025	2024/2025 NBR	LW	3	1240	1340	1
28/02/2025	2024/2025 NBR	TH	10	1000	1300	3
28/02/2025	2024/2025 NBR	TH	10	1330	1500	1.5
11/03/2025	2024/2025 NBR	IH	4	1145	1345	2
17/03/2025	2025 BR	LS	4	1010	1310	3
17/03/2025	2025 BR	TH	1	1020	1320	3
17/03/2025	2025 BR	LS	4	1340	1640	3
17/03/2025	2025 BR	TH	1	1350	1650	3
20/03/2025	2025 BR	LW	7	850	1150	3
20/03/2025	2025 BR	JB	8	850	1150	3
20/03/2025	2025 BR	ENS	10	900	1200	3
20/03/2025	2025 BR	LW	7	1220	1520	3
20/03/2025	2025 BR	JB	8	1220	1520	3
20/03/2025	2025 BR	ENS	10	1230	1530	3
21/03/2025	2025 BR	LW	5	915	1215	3
21/03/2025	2025 BR	TL	9	915	1215	3
21/03/2025	2025 BR	LW	5	1245	1545	3
21/03/2025	2025 BR	TL	9	1245	1545	3
24/03/2025	2025 BR	TH	2	1015	1315	3
24/03/2025	2025 BR	TH	2	1345	1645	3
27/03/2025	2025 BR	ENS	3	830	1130	1.17
02/04/2025	2025 BR	TL	7	945	1245	3
02/04/2025	2025 BR	TL	8	1315	1615	3
03/04/2025	2025 BR	EB	3	1005	1305	3
03/04/2025	2025 BR	EB	3	1335	1505	1.5
04/04/2025	2025 BR	TH	1	840	1140	3
04/04/2025	2025 BR	EB	3	840	1140	3
04/04/2025	2025 BR	JB	7	840	1140	3
04/04/2025	2025 BR	ENS	8	840	1140	3
10/04/2025	2025 BR	TL	10	910	1210	3
10/04/2025	2025 BR	TL	10	1240	1540	3
11/04/2025	2025 BR	TL	5	845	1145	3
11/04/2025	2025 BR	JB	9	850	1150	3
11/04/2025	2025 BR	TL	5	1215	1515	3
11/04/2025	2025 BR	JB	9	1220	1520	3
29/04/2025	2025 BR	JB	4	850	1150	3
29/04/2025	2025 BR	TL	1	900	1200	3
29/04/2025	2025 BR	TL	2	1230	1530	3
29/04/2025	2025 BR	JB	3	1230	1530	3

Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
01/05/2025	2025 BR	TH	1	730	1030	3
01/05/2025	2025 BR	JB	2	735	1035	3
01/05/2025	2025 BR	ENS	3	735	1035	3
02/05/2025	2025 BR	JB	7	730	1030	3
02/05/2025	2025 BR	TH	8	730	1030	3
06/05/2025	2025 BR	TL	5	900	1200	3
06/05/2025	2025 BR	TH	4	915	1215	3
06/05/2025	2025 BR	JB	9	915	1215	3
06/05/2025	2025 BR	TL	5	1230	1530	3
06/05/2025	2025 BR	TH	4	1245	1545	3
06/05/2025	2025 BR	JB	9	1245	1545	3
08/05/2025	2025 BR	LW	7	845	1145	3
08/05/2025	2025 BR	TL	10	845	1145	3
08/05/2025	2025 BR	LW	8	1215	1515	3
08/05/2025	2025 BR	TL	10	1215	1515	3
09/05/2025	2025 BR	TL	1	915	1215	3
09/05/2025	2025 BR	JB	2	915	1215	3
09/05/2025	2025 BR	JB	2	1245	1545	3
09/05/2025	2025 BR	TL	3	1245	1545	3
09/06/2025	2025 BR	JR	10	830	1130	3
09/06/2025	2025 BR	JR	10	1200	1500	3
12/06/2025	2025 BR	LW	7	845	1145	3
12/06/2025	2025 BR	LW	7	1215	1515	3
13/06/2025	2025 BR	TH	1	930	1230	3
13/06/2025	2025 BR	LW	2	930	1230	3
13/06/2025	2025 BR	JB	3	930	1230	3
13/06/2025	2025 BR	TH	1	1300	1600	1.5
13/06/2025	2025 BR	LW	2	1300	1600	2
13/06/2025	2025 BR	JB	3	1300	1600	2
17/06/2025	2025 BR	JB	9	915	1215	3
17/06/2025	2025 BR	JB	9	1245	1545	3
19/06/2025	2025 BR	TH	4	1030	1330	3
19/06/2025	2025 BR	TH	4	1400	1700	3
26/06/2025	2025 BR	MW	5	630	930	2
26/06/2025	2025 BR	MW	5	1000	1300	3
24/07/2025	2025 BR	JB	2	920	1220	3
24/07/2025	2025 BR	JB	3	1220	1520	3
28/07/2025	2025 BR	LS	8	930	1230	3
28/07/2025	2025 BR	LS	8	1300	1600	3
29/07/2025	2025 BR	IH	7	850	1150	3
29/07/2025	2025 BR	LML	5	915	1215	2.5
29/07/2025	2025 BR	LS	9	920	1220	3



Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
29/07/2025	2025 BR	IH	7	1220	1520	3
29/07/2025	2025 BR	LML	5	1245	1545	2.75
29/07/2025	2025 BR	LS	9	1250	1550	3
30/07/2025	2025 BR	EB	10	855	1155	3
30/07/2025	2025 BR	EB	10	1225	1525	3
31/07/2025	2025 BR	LML	8	910	1210	3
31/07/2025	2025 BR	TH	1	945	1245	3
31/07/2025	2025 BR	EB	4	955	1255	3
31/07/2025	2025 BR	LML	8	1240	1540	3
31/07/2025	2025 BR	TH	1	1315	1615	3
31/07/2025	2025 BR	EB	4	1325	1625	3
12/08/2025	2025 BR	ENS	2	900	1200	3
12/08/2025	2025 BR	IH	3	900	1200	3
12/08/2025	2025 BR	ENS	2	1230	1530	3
12/08/2025	2025 BR	IH	3	1230	1530	3
14/08/2025	2025 BR	ENS	4	845	1145	1
14/08/2025	2025 BR	ENS	4	1215	1515	3
18/08/2025	2025 BR	MW	10	700	1000	3
18/08/2025	2025 BR	LW	1	930	1230	3
18/08/2025	2025 BR	LS	2	930	1230	3
18/08/2025	2025 BR	MW	10	1030	1330	3
18/08/2025	2025 BR	LW	1	1300	1600	3
18/08/2025	2025 BR	LS	3	1300	1600	3
19/08/2025	2025 BR	JB	7	830	1130	3
19/08/2025	2025 BR	LW	8	830	1130	3
19/08/2025	2025 BR	JB	7	1200	1500	3
19/08/2025	2025 BR	LW	8	1200	1500	3
20/08/2025	2025 BR	LML	5	915	1215	3
20/08/2025	2025 BR	LS	9	925	1225	3
20/08/2025	2025 BR	LML	5	1245	1545	3
20/08/2025	2025 BR	LS	9	1255	1555	3
25/08/2025	2025 BR	LML	1	1040	1210	1.5
25/08/2025	2025 BR	LML	2	1300	1400	1
25/08/2025	2025 BR	LML	3	1400	1520	1.33
26/08/2025	2025 BR	ENS	4	830	1130	3
26/08/2025	2025 BR	LML	5	1000	1145	1.75
26/08/2025	2025 BR	ENS	4	1200	1400	2



Table A-3: Meteorological conditions during flight activity surveys at Ravengill (sorted chronologically)

Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
13/09/2023	8	MW	715	1015	1	2	SE	0	4	2	2	0	0
13/09/2023	8	MW	715	1015	2	4	SE	0	4	2	2	0	0
13/09/2023	8	MW	715	1015	3	4	SE	0	5	2	2	0	0
13/09/2023	1	TH	930	1230	1	3	SE	0	6	2	2	0	0
13/09/2023	1	TH	930	1230	2	3	SE	0	6	2	2	0	0
13/09/2023	1	TH	930	1230	3	3	SE	0	8	2	2	0	0
13/09/2023	8	MW	1045	1345	1	4	SE	0	5	2	2	0	0
13/09/2023	8	MW	1045	1345	2	4	SE	0	7	2	2	0	0
13/09/2023	8	MW	1045	1345	3	5	SE	0	7	2	2	0	0
13/09/2023	1	TH	1300	1600	1	3	SE	0	8	2	2	0	0
13/09/2023	1	TH	1300	1600	2	3	SE	0	8	2	2	0	0
13/09/2023	1	TH	1300	1600	3	3	SE	0	8	2	2	0	0
14/09/2023	7	MW	830	1130	1	4	SW	0	8	2	2	0	0
14/09/2023	7	MW	830	1130	2	4	SW	0	8	2	2	0	0
14/09/2023	7	MW	830	1130	3	5	SW	0	7	2	2	0	0
14/09/2023	7	MW	1200	1500	1	5	SW	0	8	2	2	0	0
14/09/2023	7	MW	1200	1500	2	5	SW	0	8	2	2	0	0
14/09/2023	7	MW	1200	1500	3	5	SW	2	7	2	2	0	0
15/09/2023	4	TH	945	1245	1	2	NE	0	8	2	2	0	0
15/09/2023	4	TH	945	1245	2	2	NE	2	8	2	2	0	0
15/09/2023	4	TH	945	1245	3	2	NE	2	8	2	2	0	0
15/09/2023	4	TH	1315	1615	1	2	NE	2	8	2	2	0	0
15/09/2023	4	TH	1315	1615	2	2	NE	2	8	2	2	0	0
15/09/2023	4	TH	1315	1615	3	2	NE	3	8	2	2	0	0
28/09/2023	2	EB	900	1200	1	5	SW	0	8	2	2	0	0
28/09/2023	2	EB	900	1200	2	5	SW	0	8	2	2	0	0
28/09/2023	2	EB	900	1200	3	5	SW	0	8	2	2	0	0
28/09/2023	3	TH	900	1200	1	6	SW	0	8	2	2	0	0
28/09/2023	3	TH	900	1200	2	6	SW	0	8	2	2	0	0
28/09/2023	3	TH	900	1200	3	6	SW	0	8	2	2	0	0
28/09/2023	5	JB	915	1215	1	4	NE	0	8	1	2	0	0
28/09/2023	5	JB	915	1215	2	5	NE	0	8	1	2	0	0
28/09/2023	5	JB	915	1215	3	2	NE	0	8	1	2	0	0
28/09/2023	2	EB	1230	1530	1	4	SW	0	8	2	2	0	0
28/09/2023	2	EB	1230	1530	2	5	SW	0	8	2	2	0	0
28/09/2023	2	EB	1230	1530	3	7	SW	0	8	2	2	0	0
28/09/2023	3	TH	1230	1530	1	6	SW	0	8	2	2	0	0
28/09/2023	3	TH	1230	1530	2	7	SW	0	8	2	2	0	0
28/09/2023	3	TH	1230	1530	3	7	SW	0	8	2	2	0	0
28/09/2023	5	JB	1245	1545	1	2	NE	0	8	1	2	0	0
28/09/2023	5	JB	1245	1545	2	3	NE	0	8	1	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
28/09/2023	5	JB	1245	1545	3	4	NE	0	7	1	2	0	0
29/09/2023	9	EB	915	1215	1	7	WSW	0	4	2	2	0	0
29/09/2023	9	EB	915	1215	2	7	W	0	6	2	2	0	0
29/09/2023	9	EB	915	1215	3	7	W	0	7	2	2	0	0
29/09/2023	10	TH	930	1230	1	7	W	0	3	2	2	0	0
29/09/2023	10	TH	930	1230	2	7	W	0	3	2	2	0	0
29/09/2023	10	TH	930	1230	3	7	W	0	6	2	2	0	0
29/09/2023	9	EB	1245	1445	1	7	W	0	7	2	2	0	0
29/09/2023	9	EB	1245	1445	2	7	W	0	7	2	2	0	0
29/09/2023	10	TH	1300	1500	1	7	W	0	7	2	2	0	0
29/09/2023	10	TH	1300	1500	2	7	W	0	6	2	2	0	0
10/10/2023	2	EB	930	1230	1	7	SSW	3	8	2	2	0	0
10/10/2023	2	EB	930	1230	2	7	SSW	2	8	2	2	0	0
10/10/2023	2	EB	930	1230	3	7	SSW	2	8	2	2	0	0
10/10/2023	3	TH	930	1230	1	7	SW	3	8	2	2	0	0
10/10/2023	3	TH	930	1230	2	7	SW	3	8	2	2	0	0
10/10/2023	3	TH	930	1230	3	7	SW	2	8	2	2	0	0
10/10/2023	2	EB	1300	1500	1	7	SSW	0	7	2	2	0	0
10/10/2023	2	EB	1300	1500	2	7	SSW	0	8	2	2	0	0
10/10/2023	3	TH	1300	1500	1	7	SW	0	8	2	2	0	0
10/10/2023	3	TH	1300	1500	2	7	SW	0	8	2	2	0	0
11/10/2023	4	JB	935	1235	1	5	NE	0	4	1	2	0	0
11/10/2023	4	JB	935	1235	2	5	NE	0	5	1	2	0	0
11/10/2023	4	JB	935	1235	3	4	NE	0	6	1	2	0	0
11/10/2023	5	TH	945	1245	1	5	W	0	5	2	2	0	0
11/10/2023	5	TH	945	1245	2	5	W	0	6	2	2	0	0
11/10/2023	5	TH	945	1245	3	4	W	1	7	2	2	0	0
11/10/2023	4	JB	1305	1505	1	5	NE	0	7	1	2	0	0
11/10/2023	4	JB	1305	1505	2	5	NE	1	7	1	2	0	0
11/10/2023	5	TH	1315	1515	1	3	W	2	7	2	2	0	0
11/10/2023	5	TH	1315	1515	2	4	W	0	8	2	2	0	0
12/10/2023	9	JB	930	1230	1	3	NE	0	2	0	2	0	0
12/10/2023	9	JB	930	1230	2	1	NE	0	3	1	2	0	0
12/10/2023	9	JB	930	1230	3	1	NE	0	4	1	2	0	0
12/10/2023	10	EB	950	1250	1	3	SSW	0	4	2	2	0	0
12/10/2023	10	EB	950	1250	2	3	SSW	0	3	2	2	0	0
12/10/2023	10	EB	950	1250	3	3	SSW	1	8	1	1	0	0
12/10/2023	9	JB	1300	1500	1	2	NE	1	6	1	2	0	0
12/10/2023	9	JB	1300	1500	2	1	NE	0	7	1	2	0	0
12/10/2023	10	EB	1320	1520	1	3	SSW	0	7	2	2	0	0
12/10/2023	10	EB	1320	1520	2	3	SSW	0	5	2	2	0	0
17/10/2023	7	TH	1000	1300	1	3	S	0	8	2	2	0	0
17/10/2023	7	TH	1000	1300	2	3	S	0	8	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
17/10/2023	7	TH	1000	1300	3	3	S	0	8	2	2	0	0
17/10/2023	8	EB	1000	1300	1	2	S	0	8	2	2	0	0
17/10/2023	8	EB	1000	1300	2	3	S	0	8	2	2	0	0
17/10/2023	8	EB	1000	1300	3	3	S	0	8	2	2	0	0
17/10/2023	7	TH	1330	1530	1	3	S	0	7	2	2	0	0
17/10/2023	7	TH	1330	1530	2	3	S	0	7	2	2	0	0
17/10/2023	8	EB	1330	1530	1	3	S	0	7	2	2	0	0
17/10/2023	8	EB	1330	1530	2	3	S	0	7	2	2	0	0
27/10/2023	1	MW	800	1100	1	4	NE	0	8	2	2	0	0
27/10/2023	1	MW	800	1100	2	4	NE	0	8	2	2	0	0
27/10/2023	1	MW	800	1100	3	4	NE	0	8	2	2	0	0
27/10/2023	1	MW	1130	1430	1	4	NE	0	8	2	2	0	0
27/10/2023	1	MW	1130	1430	2	4	NE	0	7	2	2	0	0
27/10/2023	1	MW	1130	1430	3	4	NE	0	7	2	2	0	0
30/10/2023	9	MW	730	1030	1	5	ENE	0	8	2	2	0	0
30/10/2023	9	MW	730	1030	2	5	ENE	0	8	2	2	0	0
30/10/2023	9	MW	730	1030	3	6	ENE	0	8	2	2	0	0
30/10/2023	9	MW	1100	1400	1	5	ENE	0	8	2	2	0	0
30/10/2023	9	MW	1100	1400	2	5	ENE	0	8	2	2	0	0
30/10/2023	9	MW	1100	1400	3	5	ENE	0	8	2	2	0	0
31/10/2023	10	MW	730	1030	1	4	ENE	0	8	2	2	0	0
31/10/2023	10	MW	730	1030	2	4	ENE	0	8	2	2	0	0
31/10/2023	10	MW	730	1030	3	5	ENE	0	8	2	2	0	0
31/10/2023	10	MW	1100	1400	1	5	ENE	0	8	2	2	0	0
31/10/2023	10	MW	1100	1400	2	5	ENE	0	8	2	2	0	0
31/10/2023	10	MW	1100	1400	3	5	ENE	0	8	2	2	0	0
07/11/2023	1	JB	920	1220	1	1	SE	0	4	1	2	0	0
07/11/2023	1	JB	920	1220	2	1	S	0	3	1	2	0	0
07/11/2023	1	JB	920	1220	3	2	S	0	5	1	2	0	0
07/11/2023	2	TH	930	1230	1	4	W	0	3	2	2	0	0
07/11/2023	2	TH	930	1230	2	4	W	0	3	2	2	0	0
07/11/2023	2	TH	930	1230	3	4	W	0	5	2	2	0	0
07/11/2023	3	EB	930	1230	1	4	W	0	2	2	2	0	0
07/11/2023	3	EB	930	1230	2	4	WSW	0	2	2	2	0	0
07/11/2023	3	EB	930	1230	3	4	WSW	0	4	2	2	0	0
07/11/2023	1	JB	1250	1450	1	2	S	0	5	1	2	0	0
07/11/2023	1	JB	1250	1450	2	1	S	0	6	1	2	0	0
07/11/2023	2	TH	1300	1500	1	4	W	0	7	2	2	0	0
07/11/2023	2	TH	1300	1500	2	3	W	0	6	2	2	0	0
07/11/2023	3	EB	1300	1500	1	3	W	0	4	2	2	0	0
07/11/2023	3	EB	1300	1500	2	4	W	0	7	2	2	0	0
08/11/2023	7	EB	1000	1300	1	4	W	0	3	2	2	0	0
08/11/2023	7	EB	1000	1300	2	3	W	0	6	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
08/11/2023	7	EB	1000	1300	3	4	W	0	4	2	2	0	0
08/11/2023	8	TH	1000	1300	1	4	W	1	4	2	2	0	0
08/11/2023	8	TH	1000	1300	2	4	W	0	6	2	2	0	0
08/11/2023	8	TH	1000	1300	3	4	W	0	4	2	2	0	0
08/11/2023	10	JB	1015	1315	1	4	ESE	0	5	1	2	0	0
08/11/2023	10	JB	1015	1315	2	5	ESE	0	3	2	2	0	0
08/11/2023	10	JB	1015	1315	3	4	ESE	0	4	2	2	0	0
08/11/2023	7	EB	1330	1545	1	4	W	0	7	2	2	0	0
08/11/2023	7	EB	1330	1545	2	4	W	0	7	2	2	0	0
08/11/2023	7	EB	1330	1545	3	4	W	0	7	2	2	0	0
08/11/2023	8	TH	1330	1530	1	3	W	0	5	2	2	0	0
08/11/2023	8	TH	1330	1530	2	4	W	0	5	2	2	0	0
08/11/2023	10	JB	1345	1545	1	4	ESE	0	3	2	2	0	0
08/11/2023	10	JB	1345	1545	2	4	ESE	0	4	2	2	0	0
09/11/2023	5	EB	930	1230	1	4	S	0	8	1	2	0	0
09/11/2023	5	EB	930	1230	2	4	SSE	2	8	0	1	0	0
09/11/2023	5	EB	930	1230	3	4	SSE	0	8	0	1	0	0
09/11/2023	9	TH	930	1230	1	4	S	0	8	0	0	0	0
09/11/2023	9	TH	930	1230	2	4	S	2	8	0	0	0	0
09/11/2023	9	TH	930	1230	3	3	S	0	8	1	2	0	0
09/11/2023	4	JB	935	1235	1	1	NW	0	4	1	2	1	0
09/11/2023	4	JB	935	1235	2	2	NW	1	8	1	2	0	0
09/11/2023	4	JB	935	1235	3	3	NW	0	6	1	2	0	0
09/11/2023	5	EB	1300	1500	1	4	S	0	8	0	2	0	0
09/11/2023	5	EB	1300	1500	2	4	S	1	8	0	1	0	0
09/11/2023	9	TH	1300	1500	1	3	S	2	8	1	2	0	0
09/11/2023	9	TH	1300	1500	2	4	S	0	8	1	2	0	0
09/11/2023	4	JB	1305	1505	1	2	NW	0	5	1	2	0	0
09/11/2023	4	JB	1305	1505	2	1	NW	1	3	1	2	0	0
04/12/2023	1	JB	915	1145	1	3	NE	0	8	0	0	1	1
04/12/2023	1	JB	915	1145	2	4	NE	1	8	0	0	1	1
04/12/2023	1	JB	915	1145	3	4	NE	1	8	0	0	1	1
04/12/2023	2	EB	915	1145	1	3	NE	0	8	0	0	1	1
04/12/2023	2	EB	915	1145	2	4	NE	1	8	0	0	1	1
04/12/2023	2	EB	915	1145	3	4	NE	1	8	0	0	1	1
04/12/2023	3	TH	915	1145	1	3	NE	0	8	0	0	2	2
04/12/2023	3	TH	915	1145	2	4	NE	1	8	0	0	2	2
04/12/2023	3	TH	915	1145	3	4	NE	1	8	0	0	2	2
05/12/2023	4	EB	1010	1310	1	1	NE	0	8	1	1	0	2
05/12/2023	4	EB	1010	1310	2	1	NE	0	4	2	2	0	2
05/12/2023	4	EB	1010	1310	3	1	NE	0	2	2	2	0	2
05/12/2023	5	TH	1015	1315	1	2	N	0	4	2	2	2	1
05/12/2023	5	TH	1015	1315	2	2	N	0	4	2	2	2	1



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
05/12/2023	5	TH	1015	1315	3	2	N	0	3	2	2	2	1
05/12/2023	9	JB	1025	1325	1	1	S	0	4	0	2	2	2
05/12/2023	9	JB	1025	1325	2	1	S	0	4	0	2	2	2
05/12/2023	9	JB	1025	1325	3	1	S	0	6	0	2	2	2
05/12/2023	4	EB	1340	1540	1	1	NE	0	4	1	2	0	2
05/12/2023	4	EB	1340	1540	2	2	NE	0	4	1	2	0	2
05/12/2023	5	TH	1345	1515	1	2	N	0	4	2	2	2	1
05/12/2023	5	TH	1345	1515	2	2	N	0	8	1	0	2	1
05/12/2023	9	JB	1355	1525	1	1	S	0	3	0	2	2	2
05/12/2023	9	JB	1355	1525	2	1	S	0	5	0	1	2	2
06/12/2023	7	EB	940	1240	1	4	S	0	1	2	2	2	2
06/12/2023	7	EB	940	1240	2	3	S	0	2	2	2	2	2
06/12/2023	7	EB	940	1240	3	3	S	0	3	2	2	2	2
06/12/2023	8	JB	940	1240	1	2	N	0	0	0	2	2	2
06/12/2023	8	JB	940	1240	2	3	S	0	1	2	2	2	2
06/12/2023	8	JB	940	1240	3	3	S	0	1	2	2	2	2
06/12/2023	10	TH	1000	1300	1	2	S	0	2	2	2	2	2
06/12/2023	10	TH	1000	1300	2	3	S	0	3	2	2	2	2
06/12/2023	10	TH	1000	1300	3	3	S	0	3	2	2	2	2
06/12/2023	7	EB	1310	1510	1	3	S	0	2	2	2	2	2
06/12/2023	7	EB	1310	1510	2	3	S	0	3	2	2	2	2
06/12/2023	8	JB	1310	1510	1	2	S	0	1	2	2	2	2
06/12/2023	8	JB	1310	1510	2	2	S	0	2	2	2	2	2
06/12/2023	10	TH	1330	1530	1	4	S	0	5	2	2	2	2
06/12/2023	10	TH	1330	1530	2	4	S	0	6	2	2	2	2
08/01/2024	2	EB	930	1230	1	3	E	0	6	2	2	2	0
08/01/2024	2	EB	930	1230	2	3	E	0	5	2	2	2	0
08/01/2024	2	EB	930	1230	3	3	E	0	7	2	2	2	0
08/01/2024	3	TH	930	1230	1	3	E	0	6	2	2	2	0
08/01/2024	3	TH	930	1230	2	3	E	0	5	2	2	2	0
08/01/2024	3	TH	930	1230	3	3	E	0	4	2	2	2	1
08/01/2024	2	EB	1300	1500	1	3	E	0	7	2	2	2	1
08/01/2024	2	EB	1300	1500	2	3	E	0	5	2	2	2	0
08/01/2024	3	TH	1300	1500	1	3	E	0	4	2	2	2	1
08/01/2024	3	TH	1300	1500	2	3	E	0	4	2	2	2	0
09/01/2024	1	EB	955	1255	1	4	ESE	0	1	2	2	2	0
09/01/2024	1	EB	955	1255	2	4	ESE	0	2	2	2	2	0
09/01/2024	1	EB	955	1255	3	3	ESE	0	1	2	2	2	0
09/01/2024	4	TH	1020	1320	1	1	E	0	3	2	2	1	0
09/01/2024	4	TH	1020	1320	2	2	E	0	2	2	2	1	0
09/01/2024	4	TH	1020	1320	3	2	E	0	2	2	2	1	0
09/01/2024	1	EB	1325	1525	1	4	ESE	0	2	2	2	2	0
09/01/2024	1	EB	1325	1525	2	3	ESE	0	3	2	2	2	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
09/01/2024	4	TH	1350	1550	1	2	E	0	3	2	2	1	0
09/01/2024	4	TH	1350	1550	2	2	E	0	3	2	2	1	0
10/01/2024	5	TH	930	1100	1	4	NE	1	8	0	0	2	1
10/01/2024	5	TH	930	1100	2	4	NE	1	8	0	0	2	1
10/01/2024	9	EB	930	1100	1	4	NE	1	8	0	0	2	2
10/01/2024	9	EB	930	1100	2	4	NE	1	8	0	0	2	2
11/01/2024	7	TH	915	1215	1	3	NE	1	8	0	1	0	0
11/01/2024	7	TH	915	1215	2	3	NE	0	8	1	1	0	0
11/01/2024	7	TH	915	1215	3	3	NE	0	8	1	2	0	0
11/01/2024	8	EB	915	1215	1	3	NE	1	8	0	1	0	0
11/01/2024	8	EB	915	1215	2	3	NE	1	8	1	1	0	0
11/01/2024	8	EB	915	1215	3	3	NE	0	8	1	2	0	0
11/01/2024	7	TH	1245	1445	1	3	NE	0	8	2	2	0	0
11/01/2024	7	TH	1245	1445	2	3	NE	0	8	2	2	0	0
11/01/2024	8	EB	1245	1445	1	3	NE	0	8	2	2	0	0
11/01/2024	8	EB	1245	1445	2	3	NE	0	8	2	2	0	0
26/01/2024	5	JB	940	1240	1	4	WNW	0	7	1	2	1	2
26/01/2024	5	JB	940	1240	2	4	WNW	0	6	1	2	1	2
26/01/2024	5	JB	940	1240	3	4	WNW	0	7	1	2	0	2
26/01/2024	5	JB	1310	1510	1	4	WNW	0	4	1	2	0	2
26/01/2024	5	JB	1310	1510	2	4	WNW	0	5	1	2	0	2
08/02/2024	9	JRM	900	1200	1	5	E	0	8	2	2	0	1
08/02/2024	9	JRM	900	1200	2	6	E	0	8	2	2	0	1
08/02/2024	9	JRM	900	1200	3	5	E	0	8	1	2	0	1
08/02/2024	9	JRM	1230	1330	1	5	E	2	8	1	1	0	1
12/02/2024	2	LS	930	1230	1	5	SW	0	6	2	2	0	2
12/02/2024	2	LS	930	1230	2	4	SW	0	4	2	2	0	2
12/02/2024	2	LS	930	1230	3	4	SW	0	5	2	2	0	2
12/02/2024	2	LS	1300	1500	1	4	SW	0	5	2	2	0	2
12/02/2024	2	LS	1300	1500	2	4	SW	0	5	2	2	0	2
13/02/2024	7	EB	925	1225	1	2	SW	0	2	2	2	0	0
13/02/2024	7	EB	925	1225	2	3	SW	0	3	2	2	0	0
13/02/2024	7	EB	925	1225	3	3	SW	0	4	2	2	0	0
13/02/2024	8	LS	925	1225	1	2	SW	0	2	2	2	0	0
13/02/2024	8	LS	925	1225	2	2	SW	0	2	2	2	0	0
13/02/2024	8	LS	925	1225	3	2	SW	0	2	2	2	0	0
13/02/2024	7	EB	1255	1455	1	4	SW	0	4	2	2	0	0
13/02/2024	7	EB	1255	1455	2	3	SW	0	6	2	2	0	0
13/02/2024	8	LS	1255	1455	1	1	SW	0	2	2	2	0	0
13/02/2024	8	LS	1255	1455	2	1	SW	0	2	2	2	0	0
16/02/2024	2	LS	910	1210	1	2	SW	0	6	2	2	0	0
16/02/2024	2	LS	910	1210	2	2	SW	0	6	2	2	0	0
16/02/2024	2	LS	910	1210	3	2	SW	0	6	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
16/02/2024	3	JB	920	1220	1	1	SE	0	6	1	2	0	0
16/02/2024	3	JB	920	1220	2	1	SE	0	5	1	2	0	0
16/02/2024	3	JB	920	1220	3	1	SE	0	8	1	2	0	0
16/02/2024	2	LS	1240	1440	1	2	SW	0	6	2	2	0	0
16/02/2024	2	LS	1240	1440	2	2	SW	0	6	2	2	0	0
16/02/2024	3	JB	1250	1450	1	1	SE	0	8	1	2	0	0
16/02/2024	3	JB	1250	1450	2	1	SE	0	8	1	2	0	0
23/02/2024	10	MW	730	930	1	4	WNW	0	8	2	2	0	1
23/02/2024	10	MW	730	930	2	5	WNW	4	8	2	2	0	1
23/02/2024	9	LS	1015	1115	1	4	SE	0	6	1	0	1	1
27/02/2024	3	EB	915	1215	1	7	W	3	8	1	2	0	0
27/02/2024	3	EB	915	1215	2	6	W	2	8	1	1	0	0
27/02/2024	3	EB	915	1215	3	6	W	2	8	1	1	0	0
27/02/2024	3	EB	1245	1445	1	7	W	0	8	2	2	0	0
27/02/2024	3	EB	1245	1445	2	6	W	2	8	1	2	0	0
28/02/2024	4	EB	1000	1300	1	6	SSE	2	8	1	2	0	0
28/02/2024	4	EB	1000	1300	2	6	SSE	2	8	1	2	0	0
28/02/2024	4	EB	1000	1300	3	6	S	2	8	1	1	0	0
28/02/2024	1	LS	1015	1315	1	6	SSW	3	8	1	2	0	0
28/02/2024	1	LS	1015	1315	2	6	SSW	2	8	1	1	0	0
28/02/2024	1	LS	1015	1315	3	6	SSW	3	8	1	1	0	0
28/02/2024	4	EB	1330	1530	1	5	S	0	8	1	2	0	0
28/02/2024	4	EB	1330	1530	2	5	S	1	8	1	2	0	0
28/02/2024	1	LS	1345	1545	1	6	SSW	2	8	1	1	0	0
28/02/2024	1	LS	1345	1545	2	5	SSW	2	8	1	1	0	0
29/02/2024	5	LS	915	1215	1	4	SSW	0	6	2	2	0	0
29/02/2024	5	LS	915	1215	2	4	SSW	0	5	2	2	0	0
29/02/2024	5	LS	915	1215	3	4	SSW	0	4	2	2	0	0
29/02/2024	1	EB	1005	1305	1	4	SW	0	7	2	2	0	0
29/02/2024	1	EB	1005	1305	2	3	SW	0	6	2	2	0	0
29/02/2024	1	EB	1005	1305	3	4	SW	0	6	2	2	0	0
29/02/2024	5	LS	1245	1515	1	5	SSW	0	5	2	2	0	0
29/02/2024	5	LS	1245	1515	2	4	SSW	0	6	2	2	0	0
29/02/2024	5	LS	1245	1515	3	3	SSW	0	5	2	2	0	0
29/02/2024	1	EB	1335	1535	1	3	SW	0	6	2	2	0	0
29/02/2024	1	EB	1335	1535	2	3	SW	0	6	2	2	0	0
01/03/2024	7	LS	935	1235	1	3	SE	0	4	2	2	0	0
01/03/2024	7	LS	935	1235	2	3	SE	0	6	2	2	0	0
01/03/2024	7	LS	935	1235	3	4	SE	0	7	2	2	0	0
01/03/2024	8	EB	935	1235	1	3	E	0	4	2	2	0	0
01/03/2024	8	EB	935	1235	2	3	E	0	6	2	2	0	0
01/03/2024	8	EB	935	1235	3	4	E	0	8	2	2	0	0
01/03/2024	7	LS	1305	1505	1	4	SE	0	7	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
01/03/2024	7	LS	1305	1505	2	4	SE	0	6	2	2	0	0
01/03/2024	8	EB	1305	1505	1	4	E	0	8	2	2	0	0
01/03/2024	8	EB	1305	1505	2	4	E	0	8	2	2	0	0
05/03/2024	2	EB	935	1235	1	6	S	0	3	2	2	0	0
05/03/2024	2	EB	935	1235	2	6	S	0	7	2	2	0	0
05/03/2024	2	EB	935	1235	3	6	S	0	7	2	2	0	0
05/03/2024	3	LS	935	1235	1	5	S	0	3	2	2	0	0
05/03/2024	3	LS	935	1235	2	5	S	0	3	2	2	0	0
05/03/2024	3	LS	935	1235	3	5	S	0	5	2	2	0	0
05/03/2024	5	JM	935	1235	1	6	SE	0	5	2	2	0	2
05/03/2024	5	JM	935	1235	2	5	SE	0	4	2	2	0	2
05/03/2024	5	JM	935	1235	3	6	SE	0	7	2	2	0	2
05/03/2024	2	EB	1305	1505	1	6	S	0	6	2	2	0	0
05/03/2024	2	EB	1305	1505	2	6	S	0	8	2	2	0	0
05/03/2024	3	LS	1305	1505	1	5	S	0	6	2	2	0	0
05/03/2024	3	LS	1305	1505	2	5	S	0	6	2	2	0	0
05/03/2024	5	JM	1305	1505	1	5	SE	0	8	2	2	0	2
05/03/2024	5	JM	1305	1505	2	5	SE	0	7	2	2	0	2
06/03/2024	9	LS	910	1210	1	2	E	0	4	2	2	2	2
06/03/2024	9	LS	910	1210	2	2	E	0	3	2	2	2	2
06/03/2024	9	LS	910	1210	3	2	E	0	3	2	2	2	2
06/03/2024	4	JM	915	1215	1	4	SE	0	4	2	2	0	0
06/03/2024	4	JM	915	1215	2	3	SE	0	3	2	2	0	0
06/03/2024	4	JM	915	1215	3	3	SE	0	2	2	2	0	0
06/03/2024	10	JB	945	1245	1	2	E	0	5	1	2	0	0
06/03/2024	10	JB	945	1245	2	2	E	0	4	1	2	0	0
06/03/2024	10	JB	945	1245	3	2	E	0	3	1	2	0	0
06/03/2024	9	LS	1240	1440	1	2	E	0	3	2	2	2	2
06/03/2024	9	LS	1240	1440	2	1	E	0	4	2	2	2	2
06/03/2024	4	JM	1245	1500	1	3	SE	0	6	2	2	0	0
06/03/2024	4	JM	1245	1500	2	3	SE	0	6	2	2	0	0
06/03/2024	4	JM	1245	1500	3	3	SE	0	6	2	2	0	0
06/03/2024	10	JB	1315	1415	1	3	E	0	6	1	2	0	0
07/03/2024	1	JM	850	1050	1	4	SE	0	5	1	1	0	0
07/03/2024	1	JM	850	1050	2	4	SE	0	4	2	2	0	0
07/03/2024	9	EB	920	1220	1	4	SE	0	5	2	2	0	0
07/03/2024	9	EB	920	1220	2	4	SE	0	7	2	2	0	0
07/03/2024	9	EB	920	1220	3	4	SE	0	8	2	2	0	0
07/03/2024	10	LS	945	1145	1	3	E	0	6	2	2	0	0
07/03/2024	10	LS	945	1145	2	3	E	0	6	2	2	0	0
07/03/2024	1	JM	1120	1320	1	4	SE	0	4	2	2	0	0
07/03/2024	1	JM	1120	1320	2	4	SE	0	6	2	2	0	0
07/03/2024	10	LS	1215	1415	1	3	E	0	7	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
07/03/2024	10	LS	1215	1415	2	3	E	0	7	2	2	0	0
07/03/2024	9	EB	1250	1450	1	5	SE	0	8	2	2	0	0
07/03/2024	9	EB	1250	1450	2	5	SE	0	6	2	2	0	0
08/03/2024	5	LS	1020	1220	1	4	E	1	8	2	2	0	0
08/03/2024	5	LS	1020	1220	2	4	E	0	6	2	2	0	0
19/03/2024	4	LS	830	1130	1	5	S	0	7	2	2	0	0
19/03/2024	4	LS	830	1130	2	5	S	1	7	2	2	0	0
19/03/2024	4	LS	830	1130	3	5	S	1	7	2	2	0	0
19/03/2024	4	LS	1200	1500	1	4	S	2	8	2	2	0	0
19/03/2024	4	LS	1200	1500	2	4	S	1	6	2	2	0	0
19/03/2024	4	LS	1200	1500	3	4	S	0	6	2	2	0	0
20/03/2024	5	LS	915	1215	1	2	N	0	8	2	2	0	0
20/03/2024	5	LS	915	1215	2	2	N	0	8	2	2	0	0
20/03/2024	5	LS	915	1215	3	2	N	0	8	1	1	0	0
20/03/2024	3	EB	945	1245	1	2	NE	0	8	1	2	0	0
20/03/2024	3	EB	945	1245	2	3	NE	0	8	1	2	0	0
20/03/2024	3	EB	945	1245	3	3	NE	1	8	0	2	0	0
20/03/2024	1	JB	1000	1300	1	2	NNW	1	8	0	2	0	0
20/03/2024	1	JB	1000	1300	2	2	NNW	1	8	0	2	0	0
20/03/2024	1	JB	1000	1300	3	1	NNW	1	8	0	1	0	0
20/03/2024	2	EB	1315	1445	1	3	NE	0	8	0	1	0	0
20/03/2024	2	EB	1315	1445	2	3	NE	0	8	0	0	0	0
20/03/2024	1	JB	1330	1430	1	1	NNW	0	8	0	0	0	0
21/03/2024	10	EB	855	925	1	8	S	4	8	1	2	0	0
21/03/2024	8	EB	955	1255	1	6	S	3	8	1	2	0	0
21/03/2024	8	EB	955	1255	2	6	S	3	8	0	1	0	0
21/03/2024	8	EB	955	1255	3	5	S	2	8	1	2	0	0
21/03/2024	8	EB	1325	1525	1	4	S	2	8	1	2	0	0
21/03/2024	8	EB	1325	1525	2	5	S	1	8	1	2	0	0
22/03/2024	7	ENS	915	1215	1	5	W	1	7	2	2	0	0
22/03/2024	7	ENS	915	1215	2	6	W	3	7	2	2	0	0
22/03/2024	7	ENS	915	1215	3	6	W	2	7	2	2	0	0
22/03/2024	5	JB	925	1225	1	4	WNW	0	4	2	2	0	0
22/03/2024	5	JB	925	1225	2	7	W	2	8	0	2	0	1
22/03/2024	5	JB	925	1225	3	6	W	0	7	1	2	0	0
22/03/2024	7	ENS	1245	1445	1	6	W	2	6	2	2	0	0
22/03/2024	7	ENS	1245	1445	2	6	W	2	6	2	2	0	0
22/03/2024	5	JB	1255	1455	1	6	W	0	7	0	2	0	0
22/03/2024	5	JB	1255	1455	2	7	W	2	5	0	2	0	0
01/04/2024	2	JB	920	1220	1	4	NE	0	8	2	2	0	0
01/04/2024	2	JB	920	1220	2	4	NE	1	8	2	2	0	0
01/04/2024	2	JB	920	1220	3	4	NE	0	8	2	2	0	0
01/04/2024	3	LS	920	1220	1	4	NE	0	8	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
01/04/2024	3	LS	920	1220	2	4	NE	1	8	2	2	0	0
01/04/2024	3	LS	920	1220	3	4	NE	0	8	2	2	0	0
01/04/2024	2	JB	1250	1550	1	4	NE	0	8	2	2	0	0
01/04/2024	2	JB	1250	1550	2	4	NE	0	8	2	2	0	0
01/04/2024	2	JB	1250	1550	3	4	NE	0	8	2	2	0	0
01/04/2024	3	LS	1250	1550	1	4	NE	1	8	2	2	0	0
01/04/2024	3	LS	1250	1550	2	4	NE	0	8	2	2	0	0
01/04/2024	3	LS	1250	1550	3	4	NE	0	8	2	2	0	0
02/04/2024	10	LS	915	1215	1	2	S	1	8	2	1	0	0
02/04/2024	10	LS	915	1215	2	2	S	1	8	2	1	0	0
02/04/2024	10	LS	915	1215	3	2	S	0	8	2	2	0	0
02/04/2024	10	LS	1245	1545	1	2	S	0	8	2	2	0	0
02/04/2024	10	LS	1245	1545	2	2	S	1	8	2	2	0	0
02/04/2024	10	LS	1245	1545	3	2	S	0	8	2	2	0	0
03/04/2024	5	LS	915	1215	1	4	NE	3	8	2	2	0	0
03/04/2024	5	LS	915	1215	2	4	NE	3	8	2	2	0	0
03/04/2024	5	LS	915	1215	3	4	NE	2	8	2	2	0	0
03/04/2024	9	EB	1045	1345	1	4	ENE	3	8	2	2	0	0
03/04/2024	9	EB	1045	1345	2	3	ENE	2	8	2	2	0	0
03/04/2024	9	EB	1045	1345	3	4	ENE	3	8	2	2	0	0
03/04/2024	5	LS	1245	1545	1	4	NE	3	8	2	2	0	0
03/04/2024	5	LS	1245	1545	2	4	NE	2	8	2	2	0	0
03/04/2024	5	LS	1245	1545	3	4	NE	2	8	2	2	0	0
03/04/2024	9	EB	1415	1600	1	4	ENE	3	8	2	2	0	0
03/04/2024	9	EB	1415	1600	2	3	ENE	3	8	2	2	0	0
04/04/2024	1	EB	905	1205	1	4	NE	0	8	2	2	0	0
04/04/2024	1	EB	905	1205	2	4	NE	0	8	2	2	0	0
04/04/2024	1	EB	905	1205	3	4	NE	0	8	2	2	0	0
04/04/2024	2	LS	910	1210	1	4	NE	0	8	2	2	0	0
04/04/2024	2	LS	910	1210	2	4	NE	0	8	2	2	0	0
04/04/2024	2	LS	910	1210	3	4	NE	0	7	2	2	0	0
12/04/2024	7	JB	815	1115	1	2	S	0	7	1	2	0	0
12/04/2024	7	JB	815	1115	2	3	S	1	8	0	1	0	0
12/04/2024	7	JB	815	1115	3	3	S	0	8	2	2	0	0
12/04/2024	8	EB	815	1115	1	3	S	0	7	1	2	0	0
12/04/2024	8	EB	815	1115	2	3	S	1	8	0	1	0	0
12/04/2024	8	EB	815	1115	3	3	S	0	8	2	2	0	0
12/04/2024	10	LS	815	1115	1	5	SW	0	6	2	2	0	0
12/04/2024	10	LS	815	1115	2	5	SW	0	8	2	2	0	0
12/04/2024	10	LS	815	1115	3	5	SW	0	7	2	2	0	0
01/05/2024	3	LS	920	1220	1	4	SE	0	3	2	2	0	0
01/05/2024	3	LS	920	1220	2	4	SE	0	3	2	2	0	0
01/05/2024	3	LS	920	1220	3	4	SE	0	3	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
01/05/2024	1	EB	930	1230	1	4	E	0	2	2	2	0	0
01/05/2024	1	EB	930	1230	2	4	E	0	4	2	2	0	0
01/05/2024	1	EB	930	1230	3	3	E	0	7	2	2	0	0
01/05/2024	3	LS	1250	1550	1	4	SE	0	6	2	2	0	0
01/05/2024	3	LS	1250	1550	2	3	SE	0	5	2	2	0	0
01/05/2024	3	LS	1250	1550	3	3	SE	0	5	2	2	0	0
01/05/2024	1	EB	1300	1600	1	3	E	0	6	2	2	0	0
01/05/2024	1	EB	1300	1600	2	4	E	0	5	2	2	0	0
01/05/2024	1	EB	1300	1600	3	4	E	0	5	2	2	0	0
02/05/2024	10	LS	920	1220	1	3	NE	0	6	2	2	0	0
02/05/2024	10	LS	920	1220	2	3	NE	0	5	2	2	0	0
02/05/2024	10	LS	920	1220	3	2	NE	0	4	2	2	0	0
02/05/2024	10	LS	1250	1550	1	3	NE	0	4	2	2	0	0
02/05/2024	10	LS	1250	1550	2	4	NE	0	3	2	2	0	0
02/05/2024	10	LS	1250	1550	3	3	NE	0	3	2	2	0	0
05/05/2024	4	LS	740	1040	1	2	NNE	0	5	2	2	0	0
05/05/2024	4	LS	740	1040	2	2	NNE	0	5	2	2	0	0
05/05/2024	4	LS	740	1040	3	2	NNE	0	6	2	2	0	0
10/05/2024	5	JR	715	1015	1	2	S	0	5	2	2	0	0
10/05/2024	5	JR	715	1015	2	2	S	0	6	2	2	0	0
10/05/2024	5	JR	715	1015	3	3	SSW	0	4	2	2	0	0
10/05/2024	7	EB	715	1015	1	2	SE	0	4	2	2	0	0
10/05/2024	7	EB	715	1015	2	2	SE	0	3	2	2	0	0
10/05/2024	7	EB	715	1015	3	3	SE	0	3	2	2	0	0
10/05/2024	10	LS	715	1015	1	2	S	0	6	2	2	0	0
10/05/2024	10	LS	715	1015	2	2	S	0	6	2	2	0	0
10/05/2024	10	LS	715	1015	3	2	S	0	5	2	2	0	0
16/05/2024	2	EB	700	800	1	2	NE	0	8	0	0	0	0
22/05/2024	9	LS	900	1100	1	4	N	1	8	1	0	0	0
22/05/2024	9	LS	900	1100	2	4	N	1	8	1	0	0	0
06/06/2024	9	IH	910	1210	1	6	W	0	8	2	2	0	0
06/06/2024	9	IH	910	1210	2	7	W	2	8	2	2	0	0
06/06/2024	9	IH	910	1210	3	7	W	0	4	2	2	0	0
06/06/2024	9	IH	1240	1540	1	6	W	2	8	2	2	0	0
06/06/2024	9	IH	1240	1540	2	7	W	0	6	2	2	0	0
06/06/2024	9	IH	1240	1540	3	6	W	0	6	2	2	0	0
07/06/2024	7	LS	900	1200	1	5	SW	2	8	2	2	0	0
07/06/2024	7	LS	900	1200	2	5	SW	2	8	2	2	0	0
07/06/2024	7	LS	900	1200	3	5	W	1	7	2	2	0	0
07/06/2024	8	IH	900	1200	1	5	SW	2	8	2	2	0	0
07/06/2024	8	IH	900	1200	2	5	SW	2	8	2	2	0	0
07/06/2024	8	IH	900	1200	3	5	W	1	7	2	2	0	0
07/06/2024	7	LS	1230	1530	1	5	W	0	5	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
07/06/2024	7	LS	1230	1530	2	5	NW	2	5	2	2	0	0
07/06/2024	7	LS	1230	1530	3	5	W	0	5	2	2	0	0
07/06/2024	8	IH	1230	1530	1	5	W	0	5	2	2	0	0
07/06/2024	8	IH	1230	1530	2	5	NW	2	5	2	2	0	0
07/06/2024	8	IH	1230	1530	3	5	W	0	5	2	2	0	0
26/06/2024	2	IH	815	1115	1	5	SE	1	8	1	2	0	0
26/06/2024	2	IH	815	1115	2	5	SE	1	8	2	2	0	0
26/06/2024	2	IH	815	1115	3	4	SE	1	8	2	2	0	0
26/06/2024	4	LS	830	1130	1	3	SSE	0	8	1	2	0	0
26/06/2024	4	LS	830	1130	2	3	SSE	1	8	2	2	0	0
26/06/2024	4	LS	830	1130	3	3	SSE	1	7	2	2	0	0
26/06/2024	2	IH	1145	1445	1	4	SE	0	7	2	2	0	0
26/06/2024	2	IH	1145	1445	2	5	SE	0	6	2	2	0	0
26/06/2024	2	IH	1145	1445	3	4	SE	0	7	2	2	0	0
26/06/2024	4	LS	1200	1500	1	3	SSE	0	5	2	2	0	0
26/06/2024	4	LS	1200	1500	2	3	SSE	0	4	2	2	0	0
26/06/2024	4	LS	1200	1500	3	3	SSE	0	5	2	2	0	0
27/06/2024	1	IH	800	1100	1	6	S	1	5	2	2	0	0
27/06/2024	1	IH	800	1100	2	6	S	1	7	2	2	0	0
27/06/2024	1	IH	800	1100	3	6	S	2	8	2	2	0	0
27/06/2024	2	LS	800	1100	1	6	S	1	8	2	2	0	0
27/06/2024	2	LS	800	1100	2	6	S	1	8	2	2	0	0
27/06/2024	2	LS	800	1100	3	5	S	1	8	2	2	0	0
27/06/2024	1	IH	1130	1430	1	6	S	2	8	2	2	0	0
27/06/2024	1	IH	1130	1430	2	6	S	2	8	2	2	0	0
27/06/2024	1	IH	1130	1430	3	6	S	2	8	2	2	0	0
27/06/2024	3	LS	1130	1430	1	5	S	0	8	2	2	0	0
27/06/2024	3	LS	1130	1430	2	5	S	2	8	2	2	0	0
27/06/2024	3	LS	1130	1430	3	5	S	2	8	2	2	0	0
28/06/2024	9	LS	740	1040	1	7	W	1	8	2	1	0	0
28/06/2024	9	LS	740	1040	2	7	W	2	7	2	1	0	0
28/06/2024	9	LS	740	1040	3	7	W	0	6	2	2	0	0
28/06/2024	5	IH	745	1045	1	7	SW	2	8	1	2	0	0
28/06/2024	5	IH	745	1045	2	6	SW	0	7	2	2	0	0
28/06/2024	5	IH	745	1045	3	6	W	2	5	2	2	0	0
28/06/2024	9	LS	1110	1410	1	6	W	0	6	2	2	0	0
28/06/2024	9	LS	1110	1410	2	6	W	1	7	2	2	0	0
28/06/2024	9	LS	1110	1410	3	6	W	0	6	2	2	0	0
28/06/2024	5	IH	1115	1415	1	6	SW	0	7	2	2	0	0
28/06/2024	5	IH	1115	1415	2	7	SW	3	8	2	2	0	0
28/06/2024	5	IH	1115	1415	3	6	SW	0	5	2	2	0	0
22/07/2024	7	IH	830	1130	1	2	SE	1	8	1	1	0	0
22/07/2024	7	IH	830	1130	2	2	SE	0	8	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
22/07/2024	7	IH	830	1130	3	1	SE	0	7	2	2	0	0
22/07/2024	7	IH	1200	1500	1	3	N	1	8	2	2	0	0
22/07/2024	7	IH	1200	1500	2	0	N	1	8	2	2	0	0
22/07/2024	7	IH	1200	1500	3	1	N	1	8	2	2	0	0
23/07/2024	8	JR	815	1115	1	2	NNW	1	8	0	0	0	0
23/07/2024	8	JR	815	1115	2	3	NNE	0	4	2	2	0	0
23/07/2024	8	JR	815	1115	3	3	NNE	0	4	2	2	0	0
23/07/2024	8	JR	1145	1445	1	3	NNE	0	5	2	2	0	0
23/07/2024	8	JR	1145	1445	2	2	NNE	0	3	2	2	0	0
23/07/2024	8	JR	1145	1445	3	2	NNE	0	3	2	2	0	0
24/07/2024	2	LS	830	1130	1	5	S	0	5	2	2	0	0
24/07/2024	2	LS	830	1130	2	5	S	0	5	2	2	0	0
24/07/2024	2	LS	830	1130	3	6	S	0	6	2	2	0	0
24/07/2024	3	IH	830	1130	1	5	S	0	5	2	2	0	0
24/07/2024	3	IH	830	1130	2	5	S	0	5	2	2	0	0
24/07/2024	3	IH	830	1130	3	6	S	0	6	2	2	0	0
24/07/2024	1	JR	850	1150	1	3	SSW	0	6	2	2	0	0
24/07/2024	1	JR	850	1150	2	3	S	2	7	2	2	0	0
24/07/2024	1	JR	850	1150	3	3	S	0	8	2	2	0	0
24/07/2024	2	LS	1200	1500	1	6	S	0	6	2	2	0	0
24/07/2024	2	LS	1200	1500	2	5	S	0	5	2	2	0	0
24/07/2024	2	LS	1200	1500	3	5	S	0	7	2	2	0	0
24/07/2024	3	IH	1200	1500	1	6	S	0	6	2	2	0	0
24/07/2024	3	IH	1200	1500	2	5	S	0	5	2	2	0	0
24/07/2024	3	IH	1200	1500	3	5	S	0	7	2	2	0	0
24/07/2024	1	JR	1220	1520	1	3	S	1	8	1	1	0	0
24/07/2024	1	JR	1220	1520	2	3	S	0	7	2	2	0	0
24/07/2024	1	JR	1220	1520	3	3	S	0	7	2	2	0	0
25/07/2024	9	LS	800	1100	1	3	SW	1	8	1	1	0	0
25/07/2024	9	LS	800	1100	2	3	SW	1	8	1	2	0	0
25/07/2024	9	LS	800	1100	3	3	SW	1	8	2	2	0	0
25/07/2024	5	IH	820	1120	1	3	W	1	8	0	0	0	0
25/07/2024	5	IH	820	1120	2	3	W	1	8	0	0	0	0
25/07/2024	5	IH	820	1120	3	4	W	0	8	2	2	0	0
25/07/2024	4	JR	845	1145	1	2	SW	1	8	1	1	0	0
25/07/2024	4	JR	845	1145	2	2	SW	2	8	1	1	0	0
25/07/2024	4	JR	845	1145	3	3	SW	0	8	2	2	0	0
25/07/2024	9	LS	1130	1430	1	3	SW	0	8	2	2	0	0
25/07/2024	9	LS	1130	1430	2	4	SW	0	8	2	2	0	0
25/07/2024	9	LS	1130	1430	3	4	SW	0	8	2	2	0	0
25/07/2024	5	IH	1150	1450	1	4	W	0	8	2	2	0	0
25/07/2024	5	IH	1150	1450	2	4	W	0	7	2	2	0	0
25/07/2024	5	IH	1150	1450	3	3	W	0	8	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
25/07/2024	4	JR	1215	1515	1	4	SW	2	8	2	2	0	0
25/07/2024	4	JR	1215	1515	2	4	WSW	0	8	2	2	0	0
25/07/2024	4	JR	1215	1515	3	4	WSW	0	8	2	2	0	0
29/07/2024	7	JR	820	1120	1	3	SSW	0	8	2	2	0	0
29/07/2024	7	JR	820	1120	2	3	SSW	0	8	2	2	0	0
29/07/2024	7	JR	820	1120	3	3	SSW	0	7	2	2	0	0
29/07/2024	10	IH	830	1130	1	5	S	0	7	2	2	0	0
29/07/2024	10	IH	830	1130	2	5	S	0	7	2	2	0	0
29/07/2024	10	IH	830	1130	3	4	S	0	8	2	2	0	0
29/07/2024	7	JR	1150	1450	1	4	SSW	0	8	2	2	0	0
29/07/2024	7	JR	1150	1450	2	4	SSW	0	8	2	2	0	0
29/07/2024	7	JR	1150	1450	3	4	SSW	0	8	2	2	0	0
29/07/2024	10	IH	1200	1500	1	5	S	0	7	2	2	0	0
29/07/2024	10	IH	1200	1500	2	6	S	0	7	2	2	0	0
29/07/2024	10	IH	1200	1500	3	5	S	0	7	2	2	0	0
30/07/2024	8	IH	815	1115	1	3	NW	0	2	2	2	0	0
30/07/2024	8	IH	815	1115	2	3	NW	0	2	2	2	0	0
30/07/2024	8	IH	815	1115	3	3	NW	0	3	2	2	0	0
30/07/2024	10	JR	815	1115	1	3	NW	0	3	2	2	0	0
30/07/2024	10	JR	815	1115	2	3	NW	0	2	2	2	0	0
30/07/2024	10	JR	815	1115	3	3	NW	0	4	2	2	0	0
30/07/2024	8	IH	1145	1445	1	3	W	0	3	2	2	0	0
30/07/2024	8	IH	1145	1445	2	3	NW	0	3	2	2	0	0
30/07/2024	8	IH	1145	1445	3	3	NW	0	3	2	2	0	0
30/07/2024	10	JR	1145	1445	1	3	WNW	0	4	2	2	0	0
30/07/2024	10	JR	1145	1445	2	3	NW	0	5	2	2	0	0
30/07/2024	10	JR	1145	1445	3	3	NW	0	4	2	2	0	0
31/07/2024	8	JR	820	1120	1	2	NW	0	0	2	2	0	0
31/07/2024	8	JR	820	1120	2	2	NW	0	0	2	2	0	0
31/07/2024	8	JR	820	1120	3	2	WNW	0	1	2	2	0	0
31/07/2024	4	LS	840	1140	1	1	NW	0	1	2	2	0	0
31/07/2024	4	LS	840	1140	2	1	NW	0	1	2	2	0	0
31/07/2024	4	LS	840	1140	3	1	NW	0	1	2	2	0	0
31/07/2024	8	JR	1150	1450	1	2	WNW	0	2	2	2	0	0
31/07/2024	8	JR	1150	1450	2	2	NW	0	2	2	2	0	0
31/07/2024	8	JR	1150	1450	3	2	WSW	0	1	2	2	0	0
31/07/2024	4	LS	1210	1510	1	1	NW	0	1	2	2	0	0
31/07/2024	4	LS	1210	1510	2	1	NW	0	1	2	2	0	0
31/07/2024	4	LS	1210	1510	3	1	NW	0	1	2	2	0	0
01/08/2024	3	JR	1025	1325	1	2	SW	0	8	2	2	0	0
01/08/2024	3	JR	1025	1325	2	2	SW	0	7	2	2	0	0
01/08/2024	3	JR	1025	1325	3	2	SW	0	8	2	2	0	0
01/08/2024	2	LS	1035	1335	1	3	SW	0	8	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
01/08/2024	2	LS	1035	1335	2	3	SW	0	7	2	2	0	0
01/08/2024	2	LS	1035	1335	3	4	SW	0	8	2	2	0	0
01/08/2024	1	IH	1100	1400	1	2	SW	0	8	2	2	0	0
01/08/2024	1	IH	1100	1400	2	3	SW	0	7	2	2	0	0
01/08/2024	1	IH	1100	1400	3	3	SW	0	7	2	2	0	0
01/08/2024	3	JR	1355	1655	1	2	SW	2	7	2	2	0	0
01/08/2024	3	JR	1355	1655	2	2	SW	0	7	2	2	0	0
01/08/2024	3	JR	1355	1655	3	3	SW	0	6	2	2	0	0
01/08/2024	2	LS	1405	1705	1	3	SW	2	8	2	2	0	0
01/08/2024	2	LS	1405	1705	2	3	SW	0	8	2	2	0	0
01/08/2024	2	LS	1405	1705	3	4	SW	0	7	2	2	0	0
01/08/2024	1	IH	1430	1730	1	3	SW	1	7	2	2	0	0
01/08/2024	1	IH	1430	1730	2	2	SW	0	7	2	2	0	0
01/08/2024	1	IH	1430	1730	3	2	SW	0	7	2	2	0	0
02/08/2024	9	LS	800	1100	1	5	S	0	8	2	2	0	0
02/08/2024	9	LS	800	1100	2	5	S	0	8	2	2	0	0
02/08/2024	9	LS	800	1100	3	5	S	0	6	2	2	0	0
02/08/2024	9	LS	1130	1430	1	5	S	2	8	2	2	0	0
02/08/2024	9	LS	1130	1430	2	6	S	2	8	1	1	0	0
02/08/2024	9	LS	1130	1430	3	6	S	2	8	1	1	0	0
02/08/2024	9	LS	1500	1515	1	6	S	2	8	1	1	0	0
05/08/2024	5	MW	600	900	1	4	S	1	8	0	0	0	0
05/08/2024	5	MW	600	900	2	4	S	1	8	0	0	0	0
05/08/2024	5	MW	600	900	3	5	S	1	8	0	0	0	0
05/08/2024	2	LS	915	1215	1	8	SSW	2	8	1	1	0	0
05/08/2024	2	LS	915	1215	2	8	SSW	2	8	1	1	0	0
05/08/2024	2	LS	915	1215	3	8	SSW	2	8	1	1	0	0
05/08/2024	3	IH	915	1215	1	8	SSW	2	8	1	1	0	0
05/08/2024	3	IH	915	1215	2	8	SSW	2	8	1	1	0	0
05/08/2024	3	IH	915	1215	3	8	SSW	2	8	1	1	0	0
05/08/2024	5	MW	1030	1330	1	6	S	1	8	0	0	0	0
05/08/2024	5	MW	1030	1330	2	6	SSW	1	8	0	0	0	0
05/08/2024	5	MW	1030	1330	3	6	SSW	1	8	0	0	0	0
05/08/2024	2	LS	1245	1345	1	8	SSW	3	8	1	0	0	0
05/08/2024	3	IH	1245	1345	1	8	SSW	3	8	1	0	0	0
06/08/2024	9	MW	700	1000	1	2	S	0	8	2	2	0	0
06/08/2024	9	MW	700	1000	2	2	S	0	6	2	2	0	0
06/08/2024	9	MW	700	1000	3	3	S	0	6	2	2	0	0
06/08/2024	4	LS	920	1220	1	3	SSW	0	4	2	2	0	0
06/08/2024	4	LS	920	1220	2	4	SSW	0	4	2	2	0	0
06/08/2024	4	LS	920	1220	3	4	SSW	0	4	2	2	0	0
06/08/2024	1	IH	930	1230	1	3	SW	0	4	2	2	0	0
06/08/2024	1	IH	930	1230	2	4	S	0	3	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
06/08/2024	1	IH	930	1230	3	4	S	0	7	2	2	0	0
06/08/2024	9	MW	1030	1330	1	4	S	0	5	2	2	0	0
06/08/2024	9	MW	1030	1330	2	4	S	0	6	2	2	0	0
06/08/2024	9	MW	1030	1330	3	5	S	2	7	2	2	0	0
06/08/2024	4	LS	1250	1550	1	4	SSW	0	6	2	2	0	0
06/08/2024	4	LS	1250	1550	2	3	SSW	0	5	2	2	0	0
06/08/2024	4	LS	1250	1550	3	3	SSW	0	6	2	2	0	0
06/08/2024	1	IH	1300	1600	1	4	S	0	6	2	2	0	0
06/08/2024	1	IH	1300	1600	2	4	S	0	6	2	2	0	0
06/08/2024	1	IH	1300	1600	3	5	S	0	7	2	2	0	0
06/08/2024	9	MW	1400	1500	1	5	S	0	7	2	2	0	0
07/08/2024	7	IH	815	1115	1	5	SW	2	8	2	2	0	0
07/08/2024	7	IH	815	1115	2	5	SW	3	8	2	2	0	0
07/08/2024	7	IH	815	1115	3	5	SW	4	8	2	2	0	0
07/08/2024	7	IH	1145	1445	1	5	SW	2	7	2	2	0	0
07/08/2024	7	IH	1145	1445	2	5	SW	2	8	2	2	0	0
07/08/2024	7	IH	1145	1445	3	6	SW	3	8	2	2	0	0
07/08/2024	7	IH	1515	1615	1	4	SW	3	7	2	2	0	0
08/08/2024	8	LS	900	1200	1	3	SW	0	7	2	2	0	0
08/08/2024	8	LS	900	1200	2	3	SW	0	7	2	2	0	0
08/08/2024	8	LS	900	1200	3	4	SW	0	7	2	2	0	0
08/08/2024	10	IH	905	1205	1	4	S	0	8	2	2	0	0
08/08/2024	10	IH	905	1205	2	4	S	0	7	2	2	0	0
08/08/2024	10	IH	905	1205	3	4	S	0	8	2	2	0	0
08/08/2024	8	LS	1230	1430	1	4	SW	1	8	2	2	0	0
08/08/2024	8	LS	1230	1430	2	4	SW	1	8	1	1	0	0
08/08/2024	10	IH	1235	1505	1	5	S	2	8	2	2	0	0
08/08/2024	10	IH	1235	1505	2	5	S	2	8	2	2	0	0
08/08/2024	10	IH	1235	1505	3	4	S	0	8	2	2	0	0
09/08/2024	4	LS	920	1220	1	6	W	1	7	2	2	0	0
09/08/2024	4	LS	920	1220	2	6	W	2	8	2	1	0	0
09/08/2024	4	LS	920	1220	3	7	W	0	7	2	2	0	0
22/08/2024	5	JR	930	1230	1	7	W	0	6	2	2	0	0
22/08/2024	5	JR	930	1230	2	7	NW	0	6	2	2	0	0
22/08/2024	5	JR	930	1230	3	7	W	0	5	2	2	0	0
22/08/2024	5	JR	1300	1600	1	7	NW	0	6	2	2	0	0
22/08/2024	5	JR	1300	1600	2	6	W	0	7	2	2	0	0
22/08/2024	5	JR	1300	1600	3	6	W	0	5	2	2	0	0
28/08/2024	2	JR	830	1130	1	5	S	1	8	1	0	0	0
28/08/2024	2	JR	830	1130	2	5	S	1	8	1	1	0	0
28/08/2024	2	JR	830	1130	3	5	S	0	7	2	2	0	0
28/08/2024	2	JR	1200	1230	1	5	S	0	7	2	2	0	0
28/08/2024	3	JR	1300	1600	1	5	S	0	6	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
28/08/2024	3	JR	1300	1600	2	5	S	0	6	2	2	0	0
28/08/2024	3	JR	1300	1600	3	5	S	0	7	2	2	0	0
29/08/2024	5	JR	730	1030	1	3	SW	1	7	1	1	0	0
29/08/2024	5	JR	730	1030	2	3	SW	1	7	1	2	0	0
29/08/2024	5	JR	730	1030	3	4	SW	2	5	2	2	0	0
02/09/2024	1	JR	845	1245	1	0	-	2	8	1	0	0	0
02/09/2024	1	JR	845	1245	2	1	NW	2	8	1	0	0	0
02/09/2024	1	JR	845	1245	3	1	NW	3	8	1	0	0	0
02/09/2024	1	JR	845	1245	1	1	NW	4	8	1	0	0	0
03/09/2024	2	LS	830	1130	1	3	SW	0	2	2	2	0	0
03/09/2024	2	LS	830	1130	2	3	SW	0	2	2	2	0	0
03/09/2024	2	LS	830	1130	3	3	SW	0	6	2	2	0	0
03/09/2024	3	JR	830	1130	1	3	SW	0	2	2	2	0	0
03/09/2024	3	JR	830	1130	2	3	SW	0	2	2	2	0	0
03/09/2024	3	JR	830	1130	3	3	SW	0	6	2	2	0	0
03/09/2024	2	LS	1200	1500	1	3	SW	0	8	2	2	0	0
03/09/2024	2	LS	1200	1500	2	3	SW	0	8	2	2	0	0
03/09/2024	2	LS	1200	1500	3	3	SW	0	8	2	2	0	0
03/09/2024	3	JR	1200	1500	1	3	SW	0	8	2	2	0	0
03/09/2024	3	JR	1200	1500	2	3	SW	0	8	2	2	0	0
03/09/2024	3	JR	1200	1500	3	3	SW	0	8	2	2	0	0
04/09/2024	10	JR	755	1055	1	1	SSW	0	7	2	2	0	0
04/09/2024	10	JR	755	1055	2	1	SSW	0	6	2	2	0	0
04/09/2024	10	JR	755	1055	3	1	SSW	0	5	2	2	0	0
04/09/2024	7	IH	800	1100	1	0	-	0	5	2	2	0	0
04/09/2024	7	IH	800	1100	2	1	NE	0	4	2	2	0	0
04/09/2024	7	IH	800	1100	3	1	NE	0	5	2	2	0	0
04/09/2024	8	LS	800	1100	1	0	-	0	4	2	2	0	0
04/09/2024	8	LS	800	1100	2	1	NE	0	4	2	2	0	0
04/09/2024	8	LS	800	1100	3	1	NE	0	4	2	2	0	0
04/09/2024	8	LS	800	1100	1	2	NE	0	5	2	2	0	0
04/09/2024	8	LS	800	1100	2	2	NE	2	4	2	2	0	0
04/09/2024	8	LS	800	1100	3	2	NE	2	4	2	2	0	0
04/09/2024	10	JR	1125	1425	1	2	NE	0	6	2	2	0	0
04/09/2024	10	JR	1125	1425	2	2	NE	3	7	2	2	0	0
04/09/2024	10	JR	1125	1425	3	1	NE	0	7	2	2	0	0
04/09/2024	7	IH	1130	1430	1	2	NE	0	6	2	2	0	0
04/09/2024	7	IH	1130	1430	2	2	NE	2	7	2	2	0	0
04/09/2024	7	IH	1130	1430	3	2	NE	2	7	2	2	0	0
05/09/2024	5	LS	915	1215	1	4	NE	0	8	2	2	0	0
05/09/2024	5	LS	915	1215	2	4	NE	0	8	1	1	0	0
05/09/2024	5	LS	915	1215	3	4	NE	0	8	1	1	0	0
05/09/2024	5	LS	1245	1545	1	4	NE	0	8	1	1	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
05/09/2024	5	LS	1245	1545	2	4	NE	0	8	1	1	0	0
05/09/2024	5	LS	1245	1545	3	4	NE	0	8	1	1	0	0
10/09/2024	1	JR	845	1145	1	5	W	3	6	2	2	0	0
10/09/2024	1	JR	845	1145	2	5	W	0	5	2	2	0	0
10/09/2024	1	JR	845	1145	3	5	W	3	4	2	2	0	0
10/09/2024	2	IH	845	1145	1	5	W	0	7	2	2	0	0
10/09/2024	2	IH	846	1145	2	6	W	2	5	2	2	0	0
10/09/2024	2	IH	847	1145	3	6	W	2	5	2	2	0	0
10/09/2024	1	JR	1215	1515	1	5	W	3	4	2	2	0	0
10/09/2024	1	JR	1215	1515	2	5	WNW	0	4	2	2	0	0
10/09/2024	1	JR	1215	1515	3	6	WNW	0	3	2	2	0	0
10/09/2024	3	IH	1215	1515	1	5	W	2	5	2	2	0	0
10/09/2024	3	IH	1215	1515	2	5	NW	0	6	2	2	0	0
10/09/2024	3	IH	1215	1515	3	4	NW	0	4	2	2	0	0
11/09/2024	5	LS	815	1115	1	5	WNW	0	2	2	2	0	0
11/09/2024	5	LS	815	1115	2	4	WNW	0	3	2	2	0	0
11/09/2024	5	LS	815	1115	3	4	NW	0	4	2	2	0	0
11/09/2024	4	IH	830	1130	1	5	NW	0	5	2	2	0	0
11/09/2024	4	IH	830	1130	2	5	NW	0	7	2	2	0	0
11/09/2024	4	IH	830	1130	3	5	NW	0	7	2	2	0	0
11/09/2024	9	JR	830	1130	1	6	WNW	0	5	2	2	0	0
11/09/2024	9	JR	830	1130	2	5	NW	0	6	2	2	0	0
11/09/2024	9	JR	830	1130	3	5	NW	0	6	2	2	0	0
11/09/2024	5	LS	1145	1445	1	4	NW	0	4	2	2	0	0
11/09/2024	5	LS	1145	1445	2	4	NW	0	5	2	2	0	0
11/09/2024	5	LS	1145	1445	3	4	NW	0	4	2	2	0	0
11/09/2024	4	IH	1200	1500	1	4	NW	0	6	2	2	0	0
11/09/2024	4	IH	1200	1500	2	4	NW	0	7	2	2	0	0
11/09/2024	4	IH	1200	1500	3	5	NW	2	6	2	2	0	0
11/09/2024	9	JR	1200	1500	1	6	NW	0	5	2	2	0	0
11/09/2024	9	JR	1200	1500	2	6	NW	2	6	2	2	0	0
11/09/2024	9	JR	1200	1500	3	6	NW	3	5	2	2	0	0
01/10/2024	9	MW	800	1100	1	4	NNE	0	8	2	2	0	0
01/10/2024	9	MW	800	1100	2	4	NNE	3	8	2	2	0	0
01/10/2024	9	MW	800	1100	3	5	NNE	3	8	1	1	0	0
01/10/2024	9	MW	1130	1430	1	5	NNE	0	8	2	2	0	0
01/10/2024	9	MW	1130	1430	2	5	NNE	2	8	2	2	0	0
01/10/2024	9	MW	1130	1430	3	6	NNE	4	8	2	2	0	0
02/10/2024	10	MW	730	1030	1	3	ENE	0	2	2	2	0	0
02/10/2024	10	MW	730	1030	2	3	ENE	0	3	2	2	0	0
02/10/2024	10	MW	730	1030	3	5	ENE	0	6	2	2	0	0
02/10/2024	10	MW	1100	1400	1	5	ENE	0	6	2	2	0	0
02/10/2024	10	MW	1100	1400	2	5	ENE	0	7	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
02/10/2024	10	MW	1100	1400	3	5	ENE	0	7	2	2	0	0
03/10/2024	2	IH	940	1240	1	3	SE	0	6	2	2	0	0
03/10/2024	2	IH	940	1240	2	3	SE	0	7	2	2	0	0
03/10/2024	2	IH	940	1240	3	3	SE	0	6	2	2	0	0
03/10/2024	3	LS	940	1240	1	3	SE	0	6	2	2	0	0
03/10/2024	3	LS	940	1240	2	3	SE	0	7	2	2	0	0
03/10/2024	3	LS	940	1240	3	3	SE	0	6	2	2	0	0
03/10/2024	1	ENS	945	1245	1	2	SE	0	7	2	2	0	0
03/10/2024	1	ENS	945	1245	2	3	SE	0	7	2	2	0	0
03/10/2024	1	ENS	945	1245	3	3	SE	0	4	2	2	0	0
03/10/2024	2	IH	1310	1510	1	4	SE	0	5	2	2	0	0
03/10/2024	2	IH	1310	1510	2	5	SE	0	5	2	2	0	0
03/10/2024	3	LS	1310	1510	1	4	SE	0	5	2	2	0	0
03/10/2024	3	LS	1310	1510	2	5	SE	0	5	2	2	0	0
03/10/2024	1	ENS	1315	1515	1	3	SSE	0	3	2	2	0	0
03/10/2024	1	ENS	1315	1515	2	2	SSE	0	3	2	2	0	0
07/10/2024	4	MW	800	1100	1	2	SW	0	8	2	2	0	0
07/10/2024	4	MW	800	1100	2	3	SW	0	8	2	2	0	0
07/10/2024	4	MW	800	1100	3	2	SW	0	8	2	2	0	0
07/10/2024	4	MW	1130	1430	1	3	SW	3	8	2	2	0	0
07/10/2024	4	MW	1130	1430	2	3	SW	3	8	2	2	0	0
07/10/2024	4	MW	1130	1430	3	3	SW	3	8	2	2	0	0
08/10/2024	5	MW	730	1030	1	3	NE	3	8	2	2	0	0
08/10/2024	5	MW	730	1030	2	3	NE	4	8	2	2	0	0
08/10/2024	5	MW	730	1030	3	4	NE	4	8	1	2	0	0
08/10/2024	5	MW	1100	1400	1	3	NE	4	8	2	2	0	0
08/10/2024	5	MW	1100	1400	2	3	NE	4	8	1	1	0	0
08/10/2024	5	MW	1100	1400	3	3	NE	4	8	0	0	0	0
09/10/2024	9	MW	730	1030	1	3	NE	0	8	1	2	0	0
09/10/2024	9	MW	730	1030	2	4	NE	0	8	2	2	0	0
09/10/2024	9	MW	730	1030	3	5	NE	0	8	2	2	0	0
09/10/2024	9	MW	1100	1300	1	6	NE	0	8	2	2	0	0
09/10/2024	9	MW	1100	1300	2	6	NE	0	8	2	2	0	0
10/10/2024	1	MW	800	1100	1	4	NE	0	1	2	2	1	0
10/10/2024	1	MW	800	1100	2	4	NE	0	2	2	2	1	0
10/10/2024	1	MW	800	1100	3	4	NE	0	3	2	2	1	0
10/10/2024	1	MW	1130	1330	1	5	NE	0	3	2	2	0	0
10/10/2024	1	MW	1130	1330	2	5	NE	0	3	2	2	0	0
18/10/2024	7	IH	910	1210	1	6	S	1	8	1	2	0	0
18/10/2024	7	IH	910	1210	2	6	SE	1	8	1	2	0	0
18/10/2024	7	IH	910	1210	3	6	SE	1	8	1	2	0	0
18/10/2024	8	LW	910	1210	1	6	S	1	8	1	2	0	0
18/10/2024	8	LW	910	1210	2	6	SE	1	8	1	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
18/10/2024	8	LW	910	1210	3	6	SE	2	8	1	2	0	0
18/10/2024	10	ENS	920	1220	1	6	S	1	7	2	2	0	0
18/10/2024	10	ENS	920	1220	2	6	S	1	8	2	2	0	0
18/10/2024	10	ENS	920	1220	3	6	S	1	8	2	2	0	0
18/10/2024	7	IH	1240	1440	1	6	SE	1	8	1	1	0	0
18/10/2024	7	IH	1240	1440	2	6	SE	1	8	1	1	0	0
18/10/2024	8	LW	1240	1440	1	6	SE	2	8	1	1	0	0
18/10/2024	8	LW	1240	1440	2	6	SE	2	8	1	1	0	0
18/10/2024	10	ENS	1250	1450	1	6	S	1	8	1	2	0	0
18/10/2024	10	ENS	1250	1450	2	6	S	3	8	1	2	0	0
05/11/2024	10	TH	945	1245	1	1	S	0	5	2	2	0	0
05/11/2024	10	TH	945	1245	2	1	S	0	2	2	2	0	0
05/11/2024	10	TH	945	1245	3	1	S	0	2	2	2	0	0
05/11/2024	7	LW	950	1250	1	1	NNE	0	3	2	2	0	0
05/11/2024	7	LW	950	1250	2	1	NNE	0	3	2	2	0	0
05/11/2024	7	LW	950	1250	3	1	NNE	0	3	2	2	0	0
05/11/2024	8	TL	950	1250	1	1	NNE	0	4	2	2	0	0
05/11/2024	8	TL	950	1250	2	1	NNE	0	1	2	2	0	0
05/11/2024	8	TL	950	1250	3	1	NNE	0	1	2	2	0	0
05/11/2024	10	TH	1315	1515	1	2	S	0	5	2	2	0	0
05/11/2024	10	TH	1315	1515	2	2	S	0	6	2	2	0	0
05/11/2024	7	LW	1320	1520	1	2	NNE	0	4	2	2	0	0
05/11/2024	7	LW	1320	1520	2	2	NNE	0	4	2	2	0	0
05/11/2024	8	TL	1320	1520	1	1	NE	0	3	2	2	0	0
05/11/2024	8	TL	1320	1520	2	2	NE	0	3	2	2	0	0
06/11/2024	1	TL	930	1030	1	3	NE	1	8	1	0	0	0
06/11/2024	3	TH	930	1030	1	3	NE	1	8	0	0	0	0
06/11/2024	2	LW	1000	1000	1	2	NE	1	8	0	0	0	0
07/11/2024	4	MW	730	1030	1	1	SW	0	8	1	1	0	0
07/11/2024	4	MW	730	1030	2	2	SW	1	8	1	1	0	0
07/11/2024	4	MW	730	1030	3	3	SW	1	8	1	1	0	0
07/11/2024	4	MW	1100	1300	1	3	SW	1	8	0	0	0	0
07/11/2024	4	MW	1100	1300	2	3	SW	2	8	0	0	0	0
13/11/2024	2	EB	940	1140	1	2	NW	0	8	0	0	0	0
13/11/2024	2	EB	940	1140	2	2	NW	0	8	0	0	0	0
13/11/2024	3	JB	940	1140	1	2	NW	0	8	0	0	0	0
13/11/2024	3	JB	940	1140	2	2	NW	0	8	0	0	0	0
13/11/2024	1	TL	945	1145	1	2	NW	0	8	0	0	0	0
13/11/2024	1	TL	945	1145	2	2	NW	0	8	0	0	0	0
15/11/2024	4	JB	850	905	1	4	WSW	1	8	0	1	0	0
15/11/2024	4	JB	1000	1300	1	3	WSW	0	8	1	1	0	0
15/11/2024	4	JB	1000	1300	2	4	WSW	1	8	1	2	0	0
15/11/2024	4	JB	1000	1300	3	3	SW	0	8	1	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
15/11/2024	4	JB	1330	1515	1	4	SW	0	8	1	1	0	0
15/11/2024	4	JB	1330	1515	2	4	SW	0	8	0	1	0	0
26/11/2024	5	MW	800	1100	1	4	SW	3	8	1	1	0	1
26/11/2024	5	MW	800	1100	2	5	SW	3	8	2	2	0	1
26/11/2024	5	MW	800	1100	3	5	SW	2	8	1	1	0	1
26/11/2024	5	MW	1130	1330	1	5	SW	2	8	2	2	0	1
26/11/2024	5	MW	1130	1330	2	5	SW	2	8	2	2	0	1
03/12/2024	1	MW	800	1100	1	2	NNW	0	7	2	2	1	0
03/12/2024	1	MW	800	1100	2	2	NNW	0	7	2	2	1	0
03/12/2024	1	MW	800	1100	3	3	NNW	0	7	2	2	1	0
03/12/2024	1	MW	1130	1330	1	3	NNW	0	8	2	2	1	0
03/12/2024	1	MW	1130	1330	2	4	NNW	0	8	2	2	1	0
16/12/2024	3	JB	915	1215	1	6	NNW	1	8	1	2	0	0
16/12/2024	3	JB	915	1215	2	6	NNW	0	8	1	2	0	0
16/12/2024	3	JB	915	1215	3	6	NNW	0	7	1	2	0	0
16/12/2024	2	TL	945	1245	1	6	N	2	8	2	2	0	0
16/12/2024	2	TL	945	1245	2	6	N	2	8	2	2	0	0
16/12/2024	2	TL	945	1245	3	6	N	2	8	2	2	0	0
16/12/2024	3	JB	1245	1445	1	6	NNW	0	8	1	2	0	0
16/12/2024	3	JB	1245	1445	2	6	NNW	1	8	1	2	0	0
16/12/2024	2	TL	1315	1515	1	6	N	2	8	2	2	0	0
16/12/2024	2	TL	1315	1515	2	6	N	3	8	2	2	0	0
17/12/2024	8	JB	950	1250	1	5	WSW	1	8	1	1	0	0
17/12/2024	8	JB	950	1250	2	5	WSW	1	8	0	1	0	0
17/12/2024	8	JB	950	1250	3	5	WSW	1	8	0	1	0	0
17/12/2024	10	LS	1000	1300	1	5	S	2	8	1	1	0	0
17/12/2024	10	LS	1000	1300	2	5	S	2	8	1	1	0	0
17/12/2024	10	LS	1000	1300	3	5	S	2	8	1	1	0	0
17/12/2024	8	JB	1320	1450	1	6	WSW	1	8	0	2	0	0
17/12/2024	8	JB	1320	1450	2	6	WSW	1	8	1	2	0	0
17/12/2024	10	LS	1330	1500	1	5	S	2	8	2	2	0	0
17/12/2024	10	LS	1330	1500	2	6	S	1	8	2	2	0	0
18/12/2024	5	JB	920	1220	1	6	SW	1	8	0	1	0	0
18/12/2024	5	JB	920	1220	2	6	WSW	0	8	0	2	0	0
18/12/2024	5	JB	920	1220	3	6	WSW	0	7	1	2	0	0
18/12/2024	9	LW	925	1225	1	7	W	2	8	1	2	0	0
18/12/2024	9	LW	925	1225	2	7	W	1	7	1	2	0	0
18/12/2024	9	LW	925	1225	3	7	WNW	1	5	1	2	0	0
18/12/2024	5	JB	1250	1450	1	6	WSW	1	7	1	2	0	0
18/12/2024	5	JB	1250	1450	2	6	WSW	2	7	1	2	0	0
18/12/2024	9	LW	1255	1455	1	6	WNW	1	7	1	2	0	0
18/12/2024	9	LW	1255	1455	2	6	W	1	7	1	2	0	0
19/12/2024	7	LW	920	1220	1	4	WSW	0	2	1	2	1	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
19/12/2024	7	LW	920	1220	2	4	WSW	0	3	1	2	1	0
19/12/2024	7	LW	920	1220	3	5	WSW	0	1	1	2	1	0
19/12/2024	7	LW	1250	1450	1	4	SW	0	3	2	2	1	0
19/12/2024	7	LW	1250	1450	2	4	SW	0	3	2	2	1	0
20/12/2024	4	JB	915	1215	1	7	SW	2	8	1	1	0	0
20/12/2024	4	JB	915	1215	2	6	SW	2	8	1	2	0	0
20/12/2024	4	JB	915	1215	3	6	SW	2	8	1	2	0	0
20/12/2024	4	JB	1245	1445	1	6	SW	2	8	1	2	0	0
20/12/2024	4	JB	1245	1445	2	6	SW	1	7	1	2	0	0
06/01/2025	4	TH	1100	1400	1	1	W	0	4	2	2	2	1
06/01/2025	4	TH	1100	1400	2	1	W	0	4	2	2	2	1
06/01/2025	4	TH	1100	1400	3	2	W	0	4	2	2	2	1
06/01/2025	4	TH	1100	1400	1	2	W	0	4	2	2	2	1
06/01/2025	4	TH	1430	1630	2	2	W	0	6	2	2	2	1
08/01/2025	2	IH	930	1230	1	0	-	0	1	2	2	2	1
08/01/2025	2	IH	930	1230	2	1	SW	0	1	2	2	2	1
08/01/2025	2	IH	930	1230	3	1	SW	0	1	2	2	2	1
08/01/2025	3	ENS	930	1230	1	0	-	0	1	2	2	2	1
08/01/2025	3	ENS	930	1230	2	1	SW	0	1	2	2	2	1
08/01/2025	3	ENS	930	1230	3	1	SW	0	1	2	2	2	1
08/01/2025	2	IH	1300	1500	1	1	SW	0	1	2	2	2	1
08/01/2025	2	IH	1300	1500	2	1	SW	0	1	2	2	2	1
08/01/2025	3	ENS	1300	1500	1	1	SW	0	1	2	2	2	1
08/01/2025	3	ENS	1300	1500	2	1	SW	0	1	2	2	2	1
09/01/2025	2	JB	940	1240	1	2	NW	0	2	2	2	0	2
09/01/2025	2	JB	940	1240	2	1	NW	0	2	2	2	0	2
09/01/2025	2	JB	940	1240	3	1	NW	0	1	2	2	0	2
09/01/2025	3	LS	940	1240	1	2	NW	0	2	2	2	2	1
09/01/2025	3	LS	940	1240	2	2	NW	0	2	2	2	2	1
09/01/2025	3	LS	940	1240	3	1	NW	0	2	2	2	2	1
09/01/2025	2	JB	1310	1510	1	1	NW	0	1	2	2	0	2
09/01/2025	2	JB	1310	1510	2	1	NW	0	1	2	2	0	2
09/01/2025	3	LS	1310	1510	1	1	NW	0	1	2	2	2	1
09/01/2025	3	LS	1310	1510	2	1	NW	0	1	2	2	2	1
13/01/2025	10	IH	1000	1300	1	6	SW	1	8	1	1	0	2
13/01/2025	10	IH	1000	1300	2	6	SW	3	8	2	2	0	2
13/01/2025	10	IH	1000	1300	3	6	SW	2	8	2	2	0	2
13/01/2025	10	IH	1330	1530	1	6	SW	2	8	2	2	0	2
13/01/2025	10	IH	1330	1530	2	6	SW	1	8	1	1	0	2
15/01/2025	1	MW	815	1115	1	2	SW	0	8	0	0	0	0
15/01/2025	1	MW	815	1115	2	2	SW	0	8	0	0	0	0
15/01/2025	1	MW	815	1115	3	3	SW	0	8	1	1	0	0
15/01/2025	1	MW	1145	1345	1	3	SW	0	8	1	1	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
15/01/2025	1	MW	1145	1345	2	4	SW	0	8	2	2	0	0
17/01/2025	7	TL	900	1200	1	4	SSW	0	8	2	2	0	0
17/01/2025	7	TL	900	1200	2	4	SSW	0	8	2	2	0	0
17/01/2025	7	TL	900	1200	3	4	SSW	0	8	2	2	0	0
17/01/2025	8	LS	900	1200	1	4	SSW	0	8	2	2	0	0
17/01/2025	8	LS	900	1200	2	4	SSW	1	8	1	1	0	0
17/01/2025	8	LS	900	1200	3	4	SSW	1	8	2	2	0	0
17/01/2025	7	TL	1230	1430	1	4	SSW	0	8	2	2	0	0
17/01/2025	7	TL	1230	1430	2	4	SSW	0	8	2	2	0	0
17/01/2025	8	LS	1230	1430	1	4	SSW	0	8	2	2	0	0
17/01/2025	8	LS	1230	1430	2	4	SSW	0	8	2	2	0	0
28/01/2025	5	MW	815	1115	1	3	NE	0	8	0	1	1	1
28/01/2025	5	MW	815	1115	2	4	NE	0	8	1	1	1	1
28/01/2025	5	MW	815	1115	3	5	NE	0	7	2	2	0	1
28/01/2025	1	TL	1000	1300	1	4	SW	0	5	2	2	0	0
28/01/2025	1	TL	1000	1300	2	4	SW	0	8	2	2	0	0
28/01/2025	1	TL	1000	1300	3	3	SW	0	7	2	2	0	0
28/01/2025	3	TH	1015	1315	1	3	N	0	8	2	2	1	1
28/01/2025	3	TH	1015	1315	2	3	N	0	8	2	2	1	1
28/01/2025	3	TH	1015	1315	3	3	N	0	8	2	2	1	1
28/01/2025	5	MW	1145	1345	1	5	NE	0	7	2	2	0	1
28/01/2025	5	MW	1145	1345	2	5	NE	0	7	2	2	0	1
28/01/2025	1	TL	1330	1530	1	4	SW	0	7	2	2	0	0
28/01/2025	1	TL	1330	1530	2	4	SW	0	8	2	2	0	0
28/01/2025	2	TH	1345	1545	1	3	N	0	8	2	2	0	0
28/01/2025	2	TH	1345	1545	2	3	N	2	8	2	2	0	0
29/01/2025	7	MW	800	1100	1	3	NNW	0	3	2	2	1	1
29/01/2025	7	MW	800	1100	2	3	NNW	0	3	2	2	1	1
29/01/2025	7	MW	800	1100	3	4	NNW	0	4	2	2	1	1
29/01/2025	7	MW	1130	1330	1	5	NNW	0	4	2	2	1	1
29/01/2025	7	MW	1130	1330	2	5	NNW	0	5	2	2	1	1
30/01/2025	8	MW	800	1100	1	5	NW	0	2	2	2	1	1
30/01/2025	8	MW	800	1100	2	5	NW	0	2	2	2	1	1
30/01/2025	8	MW	800	1100	3	5	NW	0	3	2	2	1	1
30/01/2025	1	LS	945	1145	1	1	W	0	1	2	2	0	0
30/01/2025	1	LS	945	1145	1	2	W	0	3	2	2	0	0
30/01/2025	4	TH	950	1250	1	3	W	0	2	2	2	2	2
30/01/2025	4	TH	950	1250	2	3	W	0	3	2	2	2	2
30/01/2025	4	TH	950	1250	3	3	W	1	3	2	2	2	2
30/01/2025	8	MW	1130	1320	1	6	NW	0	3	2	2	1	1
30/01/2025	8	MW	1130	1320	2	6	NW	0	4	2	2	1	1
30/01/2025	1	LS	1215	1415	2	1	W	0	2	2	2	0	0
30/01/2025	1	LS	1215	1415	2	2	W	0	2	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
30/01/2025	4	TH	1320	1420	1	2	W	0	5	2	2	2	2
05/02/2025	5	TL	930	1230	1	4	NW	0	7	2	2	0	0
05/02/2025	5	TL	930	1230	2	4	NW	0	6	2	2	0	0
05/02/2025	5	TL	930	1230	3	4	NW	0	3	2	2	0	0
05/02/2025	9	LS	945	1145	1	5	W	0	6	2	2	0	0
05/02/2025	9	LS	945	1145	2	5	W	0	6	2	2	0	0
05/02/2025	9	LS	1215	1445	1	4	W	0	5	2	2	0	0
05/02/2025	9	LS	1215	1445	2	4	W	0	5	2	2	0	0
05/02/2025	9	LS	1215	1445	3	4	W	0	6	2	2	0	0
05/02/2025	5	TL	1300	1500	1	4	NW	0	3	2	2	0	0
05/02/2025	5	TL	1300	1500	2	4	NW	0	3	2	2	0	0
06/02/2025	2	JB	900	1200	1	4	SSW	0	8	0	0	0	0
06/02/2025	2	JB	900	1200	2	4	SSW	0	8	0	1	0	0
06/02/2025	2	JB	900	1200	3	4	SSW	0	8	0	2	0	0
06/02/2025	1	EB	1000	1300	1	2	SE	0	8	0	0	0	0
06/02/2025	1	EB	1000	1300	2	2	SE	0	8	0	0	0	0
06/02/2025	1	EB	1000	1300	3	2	SE	0	7	2	2	0	0
06/02/2025	2	JB	1230	1530	1	3	SSW	0	6	1	2	0	0
06/02/2025	2	JB	1230	1530	2	4	SSW	0	3	2	2	0	0
06/02/2025	2	JB	1230	1530	3	3	SSW	0	2	2	2	0	0
06/02/2025	1	EB	1330	1530	1	2	SE	0	4	2	2	0	0
06/02/2025	1	EB	1330	1530	2	2	SE	0	2	2	2	0	0
11/02/2025	2	MW	1300	1330	1	5	ENE	0	8	2	2	1	1
13/02/2025	8	MW	800	920	1	2	ENE	0	8	2	2	1	1
13/02/2025	8	MW	800	920	2	3	ENE	0	7	2	2	1	1
17/02/2025	5	LW	930	1230	1	3	SE	1	8	1	2	1	2
17/02/2025	5	LW	930	1230	2	3	SE	1	8	1	2	1	2
17/02/2025	5	LW	930	1230	3	4	SE	1	8	1	1	1	2
17/02/2025	9	JB	930	1230	1	4	W	0	8	0	2	1	1
17/02/2025	9	JB	930	1230	2	5	W	0	8	0	1	1	1
17/02/2025	9	JB	930	1230	3	5	W	0	8	0	1	1	1
17/02/2025	5	LW	1300	1400	1	3	SE	1	8	1	1	1	2
17/02/2025	9	JB	1300	1500	1	4	W	0	8	0	2	1	1
17/02/2025	9	JB	1300	1500	2	4	W	0	8	1	2	1	1
19/02/2025	7	ENS	910	1210	1	6	NE	0	7	2	2	0	0
19/02/2025	7	ENS	910	1210	2	6	NE	0	7	2	2	0	0
19/02/2025	7	ENS	910	1210	3	6	NE	2	7	2	2	0	0
19/02/2025	8	JB	910	1210	1	6	NE	0	8	2	2	0	2
19/02/2025	8	JB	910	1210	2	6	NE	0	8	2	2	0	2
19/02/2025	8	JB	910	1210	3	6	NE	0	8	2	2	0	2
19/02/2025	7	ENS	1240	1440	1	6	NE	2	8	2	2	0	0
19/02/2025	7	ENS	1240	1440	2	6	NE	1	8	2	1	0	0
19/02/2025	8	JB	1240	1440	1	6	NE	1	7	2	2	0	2



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
19/02/2025	8	JB	1240	1440	2	6	NE	2	8	0	1	0	1
20/02/2025	3	LW	910	1210	1	7	SW	3	8	1	1	0	0
20/02/2025	3	LW	910	1210	2	7	SW	3	8	1	1	0	0
20/02/2025	3	LW	910	1210	3	7	SW	3	8	1	1	0	0
20/02/2025	3	LW	1240	1340	1	8	SW	3	8	1	2	0	0
28/02/2025	10	TH	1000	1300	1	4	S	0	2	2	2	0	0
28/02/2025	10	TH	1000	1300	2	4	S	0	3	2	2	0	0
28/02/2025	10	TH	1000	1300	3	4	S	0	6	2	2	0	0
28/02/2025	10	TH	1330	1500	1	4	S	0	6	2	2	0	0
28/02/2025	10	TH	1330	1500	2	3	S	0	6	2	2	0	0
11/03/2025	4	IH	1145	1345	1	3	NW	0	7	2	2	0	0
11/03/2025	4	IH	1145	1345	2	3	NW	0	5	2	2	0	0
17/03/2025	4	LS	1010	1310	1	3	E	1	7	2	2	0	0
17/03/2025	4	LS	1010	1310	2	2	E	0	7	2	2	0	0
17/03/2025	4	LS	1010	1310	3	2	E	0	7	2	2	0	0
17/03/2025	1	TH	1020	1320	1	3	E	2	7	2	2	0	0
17/03/2025	1	TH	1020	1320	2	2	E	0	7	2	2	0	0
17/03/2025	1	TH	1020	1320	3	3	E	0	6	2	2	0	0
17/03/2025	4	LS	1340	1640	1	2	E	0	7	2	2	0	0
17/03/2025	4	LS	1340	1640	2	2	E	0	5	2	2	0	0
17/03/2025	4	LS	1340	1640	3	2	E	0	5	2	2	0	0
17/03/2025	1	TH	1350	1650	1	2	E	0	6	2	2	0	0
17/03/2025	1	TH	1350	1650	2	2	E	0	5	2	2	0	0
17/03/2025	1	TH	1350	1650	3	2	E	0	5	2	2	0	0
20/03/2025	7	LW	850	1150	1	2	NE	0	3	2	2	0	0
20/03/2025	7	LW	850	1150	2	1	NE	0	3	2	2	0	0
20/03/2025	7	LW	850	1150	3	1	NE	0	2	2	2	0	0
20/03/2025	8	JB	850	1150	1	1	NE	0	1	2	2	0	0
20/03/2025	8	JB	850	1150	2	1	NE	0	1	2	2	0	0
20/03/2025	8	JB	850	1150	3	1	NE	0	1	2	2	0	0
20/03/2025	10	ENS	900	1200	1	0	-	0	1	2	2	0	0
20/03/2025	10	ENS	900	1200	2	2	S	0	2	2	2	0	0
20/03/2025	10	ENS	900	1200	3	2	S	0	3	2	2	0	0
20/03/2025	7	LW	1220	1520	1	1	NE	0	4	2	2	0	0
20/03/2025	7	LW	1220	1520	2	2	NE	0	3	2	2	0	0
20/03/2025	7	LW	1220	1520	3	2	NE	0	3	2	2	0	0
20/03/2025	8	JB	1220	1520	1	2	NE	0	3	2	2	0	0
20/03/2025	8	JB	1220	1520	2	2	NE	0	3	2	2	0	0
20/03/2025	8	JB	1220	1520	3	2	NE	0	5	2	2	0	0
20/03/2025	10	ENS	1230	1530	1	3	S	0	4	2	2	0	0
20/03/2025	10	ENS	1230	1530	2	3	S	0	6	2	2	0	0
20/03/2025	10	ENS	1230	1530	3	4	S	0	6	2	2	0	0
21/03/2025	5	LW	915	1215	1	6	E	0	3	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
21/03/2025	5	LW	915	1215	2	6	E	0	3	2	2	0	0
21/03/2025	5	LW	915	1215	3	5	ESE	0	3	2	2	0	0
21/03/2025	9	TL	915	1215	1	2	NW	0	3	2	2	0	0
21/03/2025	9	TL	915	1215	2	2	NW	0	2	2	2	0	0
21/03/2025	9	TL	915	1215	3	1	NW	0	3	2	2	0	0
21/03/2025	5	LW	1245	1545	1	5	ESE	0	4	2	2	0	0
21/03/2025	5	LW	1245	1545	2	6	ESE	0	4	2	2	0	0
21/03/2025	5	LW	1245	1545	3	6	ESE	0	4	2	2	0	0
21/03/2025	9	TL	1245	1545	1	2	NW	0	5	2	2	0	0
21/03/2025	9	TL	1245	1545	2	2	NW	0	5	2	2	0	0
21/03/2025	9	TL	1245	1545	3	2	NW	0	7	2	2	0	0
24/03/2025	2	TH	1015	1315	1	3	W	0	2	2	2	0	0
24/03/2025	2	TH	1015	1315	2	3	W	0	3	2	2	0	0
24/03/2025	2	TH	1015	1315	3	3	W	0	2	2	2	0	0
24/03/2025	2	TH	1345	1645	1	3	W	0	2	2	2	0	0
24/03/2025	2	TH	1345	1645	2	4	W	0	2	2	2	0	0
24/03/2025	2	TH	1345	1645	3	4	W	0	2	2	2	0	0
27/03/2025	3	ENS	830	1130	1	5	SSW	1	8	1	1	0	0
27/03/2025	3	ENS	830	1130	2	6	SSW	1	8	1	1	0	0
27/03/2025	3	ENS	830	1130	3	6	SSW	1	8	0	0	0	0
02/04/2025	7	TL	945	1245	1	5	ESE	0	1	2	2	0	0
02/04/2025	7	TL	945	1245	2	5	ESE	0	1	2	2	0	0
02/04/2025	7	TL	945	1245	3	5	SE	0	1	2	2	0	0
02/04/2025	8	TL	1315	1615	1	3	SE	0	1	2	2	0	0
02/04/2025	8	TL	1315	1615	2	3	ESE	0	1	2	2	0	0
02/04/2025	8	TL	1315	1615	3	2	ESE	0	1	2	2	0	0
03/04/2025	3	EB	1005	1305	1	4	E	0	1	2	2	0	0
03/04/2025	3	EB	1005	1305	2	4	E	0	1	2	2	0	0
03/04/2025	3	EB	1005	1305	3	4	E	0	1	2	2	0	0
03/04/2025	3	EB	1335	1505	1	4	E	0	1	2	2	0	0
03/04/2025	3	EB	1335	1505	2	4	E	0	1	2	2	0	0
04/04/2025	1	TH	840	1140	1	2	NE	0	1	2	2	0	0
04/04/2025	1	TH	840	1140	2	3	NE	0	1	2	2	0	0
04/04/2025	1	TH	840	1140	3	3	NE	0	1	2	2	0	0
04/04/2025	3	EB	840	1140	1	4	E	0	1	2	2	0	0
04/04/2025	3	EB	840	1140	2	4	E	0	1	2	2	0	0
04/04/2025	3	EB	840	1140	3	4	E	0	1	2	2	0	0
04/04/2025	7	JB	840	1140	1	3	ENE	0	2	2	2	0	0
04/04/2025	7	JB	840	1140	2	3	ENE	0	1	2	2	0	0
04/04/2025	7	JB	840	1140	3	3	ENE	0	1	2	2	0	0
04/04/2025	8	ENS	840	1140	1	3	ENE	0	1	2	2	0	0
04/04/2025	8	ENS	840	1140	2	3	ENE	0	1	2	2	0	0
04/04/2025	8	ENS	840	1140	3	3	ENE	0	1	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
10/04/2025	10	TL	910	1210	1	2	SSE	0	1	2	2	0	0
10/04/2025	10	TL	910	1210	2	2	SE	0	0	2	2	0	0
10/04/2025	10	TL	910	1210	3	1	SE	0	0	2	2	0	0
10/04/2025	10	TL	1240	1540	1	2	SE	0	0	2	2	0	0
10/04/2025	10	TL	1240	1540	2	2	SE	0	0	2	2	0	0
10/04/2025	10	TL	1240	1540	3	2	SE	0	0	2	2	0	0
11/04/2025	5	TL	845	1145	1	1	E	0	1	2	2	0	0
11/04/2025	5	TL	845	1145	2	1	E	0	1	2	2	0	0
11/04/2025	5	TL	845	1145	3	2	E	0	2	2	2	0	0
11/04/2025	9	JB	850	1150	1	3	NW	0	5	2	2	0	0
11/04/2025	9	JB	850	1150	2	3	NW	0	3	2	2	0	0
11/04/2025	9	JB	850	1150	3	2	NW	0	3	2	2	0	0
11/04/2025	5	TL	1215	1515	1	2	E	0	2	2	2	0	0
11/04/2025	5	TL	1215	1515	2	2	E	0	1	2	2	0	0
11/04/2025	5	TL	1215	1515	3	2	E	0	1	2	2	0	0
11/04/2025	9	JB	1220	1520	1	3	NW	0	4	2	2	0	0
11/04/2025	9	JB	1220	1520	2	2	NW	0	4	2	2	0	0
11/04/2025	9	JB	1220	1520	3	2	NW	0	4	2	2	0	0
29/04/2025	4	JB	850	1150	1	1	ESE	0	2	2	2	0	0
29/04/2025	4	JB	850	1150	2	1	ESE	0	2	2	2	0	0
29/04/2025	4	JB	850	1150	3	1	ESE	0	1	2	2	0	0
29/04/2025	1	TL	900	1200	1	1	N	0	1	2	2	0	0
29/04/2025	1	TL	900	1200	2	1	N	0	1	2	2	0	0
29/04/2025	1	TL	900	1200	3	1	N	0	1	2	2	0	0
29/04/2025	2	TL	1230	1530	1	2	ESE	0	1	2	2	0	0
29/04/2025	2	TL	1230	1530	2	2	ESE	0	2	2	2	0	0
29/04/2025	2	TL	1230	1530	3	2	ESE	0	2	2	2	0	0
29/04/2025	3	JB	1230	1530	1	2	ESE	0	2	2	2	0	0
29/04/2025	3	JB	1230	1530	2	2	ESE	0	2	2	2	0	0
29/04/2025	3	JB	1230	1530	3	3	ESE	0	2	2	2	0	0
01/05/2025	1	TH	730	1030	1	2	SW	0	6	2	2	0	0
01/05/2025	1	TH	730	1030	2	2	SW	3	8	2	2	0	0
01/05/2025	1	TH	730	1030	3	2	SW	0	5	2	2	0	0
01/05/2025	2	JB	735	1035	1	3	NNE	0	6	2	2	0	0
01/05/2025	2	JB	735	1035	2	3	SW	3	8	0	2	0	0
01/05/2025	2	JB	735	1035	3	3	SW	0	3	2	2	0	0
01/05/2025	3	ENS	735	1035	1	3	SW	0	5	2	2	0	0
01/05/2025	3	ENS	735	1035	2	3	SW	3	8	0	2	0	0
01/05/2025	3	ENS	735	1035	3	3	SW	0	5	2	2	0	0
02/05/2025	7	JB	730	1030	1	4	NNW	0	5	1	2	0	0
02/05/2025	7	JB	730	1030	2	3	NNW	0	3	2	2	0	0
02/05/2025	7	JB	730	1030	3	3	NNW	0	6	1	2	0	0
02/05/2025	8	TH	730	1030	1	3	W	0	4	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
02/05/2025	8	TH	730	1030	2	3	NW	0	3	2	2	0	0
02/05/2025	8	TH	730	1030	3	3	NW	0	6	2	2	0	0
06/05/2025	5	TL	900	1200	1	2	NE	0	2	2	2	0	0
06/05/2025	5	TL	900	1200	2	2	NE	0	2	2	2	0	0
06/05/2025	5	TL	900	1200	3	2	NE	0	1	2	2	0	0
06/05/2025	4	TH	915	1215	1	2	W	0	3	2	2	0	0
06/05/2025	4	TH	915	1215	2	2	W	0	3	2	2	0	0
06/05/2025	4	TH	915	1215	3	3	W	0	2	2	2	0	0
06/05/2025	9	JB	915	1215	1	3	W	0	2	2	2	0	0
06/05/2025	9	JB	915	1215	2	3	W	0	2	2	2	0	0
06/05/2025	9	JB	915	1215	3	3	W	0	1	2	2	0	0
06/05/2025	5	TL	1230	1530	1	2	NE	0	1	2	2	0	0
06/05/2025	5	TL	1230	1530	2	2	NE	0	1	2	2	0	0
06/05/2025	5	TL	1230	1530	3	2	NE	0	1	2	2	0	0
06/05/2025	4	TH	1245	1545	1	3	W	0	2	2	2	0	0
06/05/2025	4	TH	1245	1545	2	3	W	0	1	2	2	0	0
06/05/2025	4	TH	1245	1545	3	3	W	0	1	2	2	0	0
06/05/2025	9	JB	1245	1545	1	4	W	0	1	2	2	0	0
06/05/2025	9	JB	1245	1545	2	3	W	0	1	2	2	0	0
06/05/2025	9	JB	1245	1545	3	3	W	0	1	2	2	0	0
08/05/2025	7	LW	845	1145	1	1	SE	0	0	2	2	0	0
08/05/2025	7	LW	845	1145	2	1	SE	0	0	2	2	0	0
08/05/2025	7	LW	845	1145	3	1	SE	0	0	2	2	0	0
08/05/2025	10	TL	845	1145	1	0	-	0	1	2	2	0	0
08/05/2025	10	TL	845	1145	2	1	SE	0	1	2	2	0	0
08/05/2025	10	TL	845	1145	3	1	SE	0	1	2	2	0	0
08/05/2025	8	LW	1215	1515	1	2	SE	0	1	2	2	0	0
08/05/2025	8	LW	1215	1515	2	2	SE	0	0	2	2	0	0
08/05/2025	8	LW	1215	1515	3	2	SE	0	1	2	2	0	0
08/05/2025	10	TL	1215	1515	1	1	SE	0	1	2	2	0	0
08/05/2025	10	TL	1215	1515	2	1	SE	0	1	2	2	0	0
08/05/2025	10	TL	1215	1515	3	1	SE	0	1	2	2	0	0
09/05/2025	1	TL	915	1215	1	2	SE	0	1	2	2	0	0
09/05/2025	1	TL	915	1215	2	2	SE	0	1	2	2	0	0
09/05/2025	1	TL	915	1215	3	2	SE	0	1	2	2	0	0
09/05/2025	2	JB	915	1215	1	1	SE	0	1	2	2	0	0
09/05/2025	2	JB	915	1215	2	2	SE	0	1	2	2	0	0
09/05/2025	2	JB	915	1215	3	2	SE	0	1	2	2	0	0
09/05/2025	2	JB	1245	1545	1	2	SE	0	2	2	2	0	0
09/05/2025	2	JB	1245	1545	2	1	SE	0	2	2	2	0	0
09/05/2025	2	JB	1245	1545	3	2	SE	0	2	2	2	0	0
09/05/2025	3	TL	1245	1545	1	2	SE	0	1	2	2	0	0
09/05/2025	3	TL	1245	1545	2	2	SE	0	1	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
09/05/2025	3	TL	1245	1545	3	2	SE	0	1	2	2	0	0
09/06/2025	10	JR	830	1130	1	4	SW	0	8	2	1	0	0
09/06/2025	10	JR	830	1130	2	4	SW	0	8	2	1	0	0
09/06/2025	10	JR	830	1130	3	3	SW	2	8	2	1	0	0
09/06/2025	10	JR	1200	1500	1	4	SW	2	8	2	1	0	0
09/06/2025	10	JR	1200	1500	2	4	SW	2	8	2	1	0	0
09/06/2025	10	JR	1200	1500	3	4	SW	4	8	2	1	0	0
12/06/2025	7	LW	845	1145	1	4	SE	0	5	2	2	0	0
12/06/2025	7	LW	845	1145	2	4	SE	0	5	2	2	0	0
12/06/2025	7	LW	845	1145	3	5	SE	0	4	2	2	0	0
12/06/2025	7	LW	1215	1515	1	3	SE	0	4	2	2	0	0
12/06/2025	7	LW	1215	1515	2	4	SE	0	3	2	2	0	0
12/06/2025	7	LW	1215	1515	3	4	SE	0	3	2	2	0	0
13/06/2025	1	TH	930	1230	1	6	S	1	8	1	1	0	0
13/06/2025	1	TH	930	1230	2	6	S	2	8	2	2	0	0
13/06/2025	1	TH	930	1230	3	6	S	2	8	1	1	0	0
13/06/2025	2	LW	930	1230	1	6	S	2	8	1	1	0	0
13/06/2025	2	LW	930	1230	2	5	S	1	7	1	1	0	0
13/06/2025	2	LW	930	1230	3	5	S	2	7	2	2	0	0
13/06/2025	3	JB	930	1230	1	6	S	2	8	1	1	0	0
13/06/2025	3	JB	930	1230	2	6	S	1	8	2	2	0	0
13/06/2025	3	JB	930	1230	3	5	S	2	7	2	2	0	0
13/06/2025	1	TH	1300	1600	1	6	S	1	8	2	2	0	0
13/06/2025	1	TH	1300	1600	2	5	S	1	8	1	1	0	0
13/06/2025	1	TH	1300	1600	3	5	S	1	8	0	0	0	0
13/06/2025	2	LW	1300	1600	1	6	S	2	8	2	1	0	0
13/06/2025	2	LW	1300	1600	2	5	S	1	8	1	1	0	0
13/06/2025	2	LW	1300	1600	3	4	S	1	8	0	1	0	0
13/06/2025	3	JB	1300	1600	1	6	S	2	8	1	2	0	0
13/06/2025	3	JB	1300	1600	2	5	S	1	8	1	1	0	0
13/06/2025	3	JB	1300	1600	3	5	S	1	8	0	1	0	0
17/06/2025	9	JB	915	1215	1	4	SW	1	8	0	1	0	0
17/06/2025	9	JB	915	1215	2	4	SW	1	8	1	2	0	0
17/06/2025	9	JB	915	1215	3	4	SW	2	8	0	2	0	0
17/06/2025	9	JB	1245	1545	1	4	SW	1	8	1	2	0	0
17/06/2025	9	JB	1245	1545	2	3	SW	0	8	2	2	0	0
17/06/2025	9	JB	1245	1545	3	4	SW	0	8	2	2	0	0
19/06/2025	4	TH	1030	1330	1	1	S	0	3	2	2	0	0
19/06/2025	4	TH	1030	1330	2	1	S	0	3	2	2	0	0
19/06/2025	4	TH	1030	1330	3	2	S	0	4	2	2	0	0
19/06/2025	4	TH	1400	1700	1	2	S	0	4	2	2	0	0
19/06/2025	4	TH	1400	1700	2	2	S	0	4	2	2	0	0
19/06/2025	4	TH	1400	1700	3	2	S	0	4	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
26/06/2025	5	MW	630	930	1	5	W	4	8	1	1	0	0
26/06/2025	5	MW	630	930	2	5	W	4	8	1	1	0	0
26/06/2025	5	MW	630	930	3	5	W	4	8	0	0	0	0
26/06/2025	5	MW	1000	1300	1	5	W	3	8	1	1	0	0
26/06/2025	5	MW	1000	1300	2	5	W	2	8	2	2	0	0
26/06/2025	5	MW	1000	1300	3	5	W	0	7	2	2	0	0
24/07/2025	2	JB	920	1220	1	1	SE	0	7	2	2	0	0
24/07/2025	2	JB	920	1220	2	1	SE	0	5	2	2	0	0
24/07/2025	2	JB	920	1220	3	1	SE	0	6	2	2	0	0
24/07/2025	3	JB	1220	1520	1	2	SE	0	6	2	2	0	0
24/07/2025	3	JB	1220	1520	2	1	SE	0	7	2	2	0	0
24/07/2025	3	JB	1220	1520	3	2	SE	0	8	2	2	0	0
28/07/2025	8	LS	930	1230	1	3	WNW	1	8	2	2	0	0
28/07/2025	8	LS	930	1230	2	3	WNW	1	8	2	2	0	0
28/07/2025	8	LS	930	1230	3	2	WNW	0	7	2	2	0	0
28/07/2025	8	LS	1300	1600	1	2	WNW	0	7	2	2	0	0
28/07/2025	8	LS	1300	1600	2	2	WNW	0	6	2	2	0	0
28/07/2025	8	LS	1300	1600	3	3	WNW	0	6	2	2	0	0
29/07/2025	7	IH	850	1150	1	1	NW	0	8	2	2	0	0
29/07/2025	7	IH	850	1150	2	1	NW	0	8	2	2	0	0
29/07/2025	7	IH	850	1150	3	2	NW	0	8	2	2	0	0
29/07/2025	5	LML	915	1215	1	2	NW	0	8	1	1	0	0
29/07/2025	5	LML	915	1215	2	2	NW	0	8	2	2	0	0
29/07/2025	5	LML	915	1215	3	3	WNW	0	8	2	2	0	0
29/07/2025	9	LS	920	1220	1	1	NNW	1	8	2	2	0	0
29/07/2025	9	LS	920	1220	2	1	NNW	0	8	2	2	0	0
29/07/2025	9	LS	920	1220	3	1	NNW	0	8	2	2	0	0
29/07/2025	7	IH	1220	1520	1	2	NW	0	8	2	2	0	0
29/07/2025	7	IH	1220	1520	2	2	NW	2	8	2	2	0	0
29/07/2025	7	IH	1220	1520	3	1	NW	0	8	2	2	0	0
29/07/2025	5	LML	1245	1545	1	3	WNW	0	8	2	2	0	0
29/07/2025	5	LML	1245	1545	2	3	WNW	2	8	1	1	0	0
29/07/2025	5	LML	1245	1545	3	3	W	0	8	2	2	0	0
29/07/2025	9	LS	1250	1550	1	1	NNW	1	8	2	2	0	0
29/07/2025	9	LS	1250	1550	2	1	NNW	0	8	2	2	0	0
29/07/2025	9	LS	1250	1550	3	1	NNW	0	8	2	2	0	0
30/07/2025	10	EB	855	1155	1	3	NW	1	8	1	2	0	0
30/07/2025	10	EB	855	1155	2	4	NW	1	8	1	2	0	0
30/07/2025	10	EB	855	1155	3	4	NW	0	8	2	2	0	0
30/07/2025	10	EB	1225	1525	1	4	NW	0	7	2	2	0	0
30/07/2025	10	EB	1225	1525	2	4	NW	0	7	2	2	0	0
30/07/2025	10	EB	1225	1525	3	4	NW	0	6	2	2	0	0
31/07/2025	8	LML	910	1210	1	4	NW	0	6	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
31/07/2025	8	LML	910	1210	2	4	WNW	0	7	2	2	0	0
31/07/2025	8	LML	910	1210	3	4	WNW	0	7	2	2	0	0
31/07/2025	1	TH	945	1245	1	3	NW	0	6	2	2	0	0
31/07/2025	1	TH	945	1245	2	4	NW	1	6	2	2	0	0
31/07/2025	1	TH	945	1245	3	4	NW	1	5	2	2	0	0
31/07/2025	4	EB	955	1255	1	4	NW	0	7	2	2	0	0
31/07/2025	4	EB	955	1255	2	4	NW	0	7	2	2	0	0
31/07/2025	4	EB	955	1255	3	4	NW	0	7	2	2	0	0
31/07/2025	8	LML	1240	1540	1	4	WNW	0	7	2	2	0	0
31/07/2025	8	LML	1240	1540	2	4	WNW	0	7	2	2	0	0
31/07/2025	8	LML	1240	1540	3	4	WNW	0	7	2	2	0	0
31/07/2025	1	TH	1315	1615	1	4	NW	0	5	2	2	0	0
31/07/2025	1	TH	1315	1615	2	4	NW	0	5	2	2	0	0
31/07/2025	1	TH	1315	1615	3	4	NW	0	5	2	2	0	0
31/07/2025	4	EB	1325	1625	1	4	NW	0	6	2	2	0	0
31/07/2025	4	EB	1325	1625	2	4	NW	0	7	2	2	0	0
31/07/2025	4	EB	1325	1625	3	4	NW	0	7	2	2	0	0
12/08/2025	2	ENS	900	1200	1	1	S	0	2	2	2	0	0
12/08/2025	2	ENS	900	1200	2	3	S	0	2	2	2	0	0
12/08/2025	2	ENS	900	1200	3	3	S	0	3	2	2	0	0
12/08/2025	3	IH	900	1200	1	1	S	0	2	2	2	0	0
12/08/2025	3	IH	900	1200	2	3	S	0	2	2	2	0	0
12/08/2025	3	IH	900	1200	3	3	S	0	3	2	2	0	0
12/08/2025	2	ENS	1230	1530	1	3	S	0	3	2	2	0	0
12/08/2025	2	ENS	1230	1530	2	3	SW	0	2	2	2	0	0
12/08/2025	2	ENS	1230	1530	3	3	SW	0	2	2	2	0	0
12/08/2025	3	IH	1230	1530	1	3	S	0	3	2	2	0	0
12/08/2025	3	IH	1230	1530	2	3	SW	0	2	2	2	0	0
12/08/2025	3	IH	1230	1530	3	3	SW	0	2	2	2	0	0
14/08/2025	4	ENS	845	1145	1	3	SW	1	8	0	0	0	0
14/08/2025	4	ENS	845	1145	2	3	SW	1	8	1	0	0	0
14/08/2025	4	ENS	845	1145	3	3	SW	1	8	1	1	0	0
14/08/2025	4	ENS	1215	1515	1	3	SW	1	8	1	1	0	0
14/08/2025	4	ENS	1215	1515	2	3	W	0	8	2	2	0	0
14/08/2025	4	ENS	1215	1515	3	4	W	0	8	2	2	0	0
18/08/2025	10	MW	700	1000	1	2	NE	0	2	2	2	0	0
18/08/2025	10	MW	700	1000	2	2	NE	0	3	2	2	0	0
18/08/2025	10	MW	700	1000	3	3	NE	0	3	2	2	0	0
18/08/2025	1	LW	930	1230	1	4	ENE	0	2	2	2	0	0
18/08/2025	1	LW	930	1230	2	3	E	0	2	2	2	0	0
18/08/2025	1	LW	930	1230	3	3	E	0	4	2	2	0	0
18/08/2025	2	LS	930	1230	1	2	E	0	1	2	2	0	0
18/08/2025	2	LS	930	1230	2	2	E	0	1	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
18/08/2025	2	LS	930	1230	3	1	E	0	1	2	2	0	0
18/08/2025	10	MW	1030	1330	1	3	NE	0	3	2	2	0	0
18/08/2025	10	MW	1030	1330	2	3	NE	0	3	2	2	0	0
18/08/2025	10	MW	1030	1330	3	3	NE	0	3	2	2	0	0
18/08/2025	1	LW	1300	1600	1	2	E	0	4	2	2	0	0
18/08/2025	1	LW	1300	1600	2	2	E	0	4	2	2	0	0
18/08/2025	1	LW	1300	1600	3	2	E	0	4	2	2	0	0
18/08/2025	3	LS	1300	1600	1	1	E	0	1	2	2	0	0
18/08/2025	3	LS	1300	1600	2	1	E	0	1	2	2	0	0
18/08/2025	3	LS	1300	1600	3	2	E	0	2	2	2	0	0
19/08/2025	7	JB	830	1130	1	3	N	0	7	2	2	0	0
19/08/2025	7	JB	830	1130	2	2	N	0	8	1	2	0	0
19/08/2025	7	JB	830	1130	3	2	N	0	8	2	2	0	0
19/08/2025	8	LW	830	1130	1	3	N	0	7	2	2	0	0
19/08/2025	8	LW	830	1130	2	2	N	0	7	2	2	0	0
19/08/2025	8	LW	830	1130	3	2	N	0	7	2	2	0	0
19/08/2025	7	JB	1200	1500	1	2	N	0	8	2	2	0	0
19/08/2025	7	JB	1200	1500	2	2	N	0	8	2	2	0	0
19/08/2025	7	JB	1200	1500	3	3	N	0	8	2	2	0	0
19/08/2025	8	LW	1200	1500	1	2	N	0	8	2	2	0	0
19/08/2025	8	LW	1200	1500	2	2	N	0	7	2	2	0	0
19/08/2025	8	LW	1200	1500	3	2	N	0	7	2	2	0	0
20/08/2025	5	LML	915	1215	1	4	NE	0	8	2	2	0	0
20/08/2025	5	LML	915	1215	2	4	NE	0	8	2	2	0	0
20/08/2025	5	LML	915	1215	3	4	NE	0	8	2	2	0	0
20/08/2025	9	LS	925	1225	1	2	E	0	8	2	2	0	0
20/08/2025	9	LS	925	1225	2	2	E	0	8	2	2	0	0
20/08/2025	9	LS	925	1225	3	2	E	0	8	2	2	0	0
20/08/2025	5	LML	1245	1545	1	3	NE	0	8	2	2	0	0
20/08/2025	5	LML	1245	1545	2	3	NE	0	8	2	2	0	0
20/08/2025	5	LML	1245	1545	3	3	NE	0	8	2	2	0	0
20/08/2025	9	LS	1255	1555	1	2	E	0	8	2	2	0	0
20/08/2025	9	LS	1255	1555	2	2	E	0	8	2	2	0	0
20/08/2025	9	LS	1255	1555	3	2	E	0	8	2	2	0	0
25/08/2025	1	LML	1040	1210	1	5	S	0	7	2	2	0	0
25/08/2025	1	LML	1040	1210	2	5	S	0	5	2	2	0	0
25/08/2025	2	LML	1300	1400	1	5	SSE	0	3	2	2	0	0
25/08/2025	3	LML	1400	1520	1	5	SE	0	3	2	2	0	0
25/08/2025	3	LML	1400	1520	2	5	SE	0	3	2	2	0	0
26/08/2025	4	ENS	830	1130	1	3	SSW	0	5	2	2	0	0
26/08/2025	4	ENS	830	1130	2	3	SSW	0	7	2	2	0	0
26/08/2025	4	ENS	830	1130	3	3	SSW	2	8	2	2	0	0
26/08/2025	5	LML	1000	1145	1	4	S	1	5	2	2	0	0



Date	VP	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
26/08/2025	5	LML	1000	1145	2	4	S	2	7	2	2	0	0
26/08/2025	4	ENS	1200	1400	1	4	SSW	3	8	2	2	0	0
26/08/2025	4	ENS	1200	1400	2	5	SSW	3	8	2	2	0	0

A.2 Black Grouse Surveys

Table A-4 details survey dates and weather data recorded. Refer to Annex B for survey results.

Table A-4: Meteorological conditions during black grouse surveys (sorted chronologically)

Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
04/04/2024	1	EB	0530	0900	1	3	NE	0	8	2	2	0	0
04/04/2024	1	LS	0530	0830	1	3	NE	0	8	2	2	0	0
04/04/2024	1	EB	0530	0900	2	4	NE	1	8	0	0	0	0
04/04/2024	1	LS	0530	0830	2	3	NE	1	8	0	0	0	0
04/04/2024	1	EB	0530	0900	3	4	NE	1	8	0	0	0	0
04/04/2024	1	LS	0530	0830	3	4	NE	1	8	0	0	0	0
04/04/2024	1	EB	0530	0900	4	4	NE	0	8	2	2	0	0
12/04/2024	1	EB	0515	0815	1	5	SW	1	8	2	2	0	0
12/04/2024	1	JB	0515	0815	1	4	SW	0	8	2	2	0	0
12/04/2024	1	LS	0515	0815	1	4	SW	0	8	2	2	0	0
12/04/2024	1	EB	0515	0815	2	5	SW	0	8	2	2	0	0
12/04/2024	1	JB	0515	0815	2	3	SW	0	8	1	2	0	0
12/04/2024	1	LS	0515	0815	2	3	SW	0	8	2	2	0	0
12/04/2024	1	EB	0515	0815	3	4	SW	0	8	2	2	0	0
12/04/2024	1	JB	0515	0815	3	2	SW	1	7	1	2	0	0
12/04/2024	1	LS	0515	0815	3	3	SW	0	6	2	2	0	0
19/04/2024	1	JR	0530	0730	1	3	NW	0	5	1	2	0	0
19/04/2024	1	JR	0530	0730	2	4	NW	0	4	2	2	0	0
03/05/2024	2	LS	0440	0740	1	5	NNE	0	5	2	2	0	0
03/05/2024	2	LS	0440	0740	2	5	NNE	0	5	2	2	0	0
03/05/2024	2	LS	0440	0740	3	5	NNE	0	5	2	2	0	0
10/05/2024	2	EB	0415	0715	1	2	S	0	4	2	2	0	0
10/05/2024	2	JR	0415	0715	1	2	S	0	4	2	2	0	0
10/05/2024	2	LS	0415	0715	1	2	S	0	5	2	2	0	0
10/05/2024	2	EB	0415	0715	2	2	S	0	5	2	2	0	0
10/05/2024	2	JR	0415	0715	2	2	S	0	4	2	2	0	0
10/05/2024	2	LS	0415	0715	2	2	S	0	5	2	2	0	0
10/05/2024	2	EB	0415	0715	3	2	S	0	6	2	2	0	0
10/05/2024	2	JR	0415	0715	3	2	S	0	5	2	2	0	0
10/05/2024	2	LS	0415	0715	3	2	S	0	5	2	2	0	0
16/05/2024	2	EB	0400	0700	1	2	NE	0	7	2	2	0	0
16/05/2024	2	LS	0400	0700	1	1	NE	0	7	2	2	0	0
16/05/2024	2	EB	0400	0700	2	1	NE	0	5	0	0	0	0
16/05/2024	2	LS	0400	0700	2	1	NE	0	4	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
16/05/2024	2	EB	0400	0700	3	1	NE	0	5	0	0	0	0
16/05/2024	2	LS	0400	0700	3	1	NE	0	4	2	2	0	0
04/04/2025	3	EB	0540	0840	1	4	E	0	1	2	2	0	0
04/04/2025	3	ENS	0540	0840	1	2	ENE	0	1	2	2	0	0
04/04/2025	3	IH	0540	0840	1	2	W	0	0	2	2	1	0
04/04/2025	3	JB	0540	0840	1	2	ENE	0	0	2	2	0	0
04/04/2025	3	TH	0540	0840	1	4	NE	0	1	2	2	0	0
04/04/2025	3	EB	0540	0840	2	4	E	0	1	2	2	0	0
04/04/2025	3	ENS	0540	0840	2	3	ENE	0	1	2	2	0	0
04/04/2025	3	IH	0540	0840	2	2	W	0	0	2	2	1	0
04/04/2025	3	JB	0540	0840	2	3	ENE	0	1	2	2	0	0
04/04/2025	3	TH	0540	0840	2	3	NE	0	1	2	2	0	0
04/04/2025	3	EB	0540	0840	3	4	E	0	1	2	2	0	0
04/04/2025	3	ENS	0540	0840	3	3	ENE	0	1	2	2	0	0
04/04/2025	3	IH	0540	0840	3	2	W	0	0	2	2	0	0
04/04/2025	3	JB	0540	0840	3	3	ENE	0	1	2	2	0	0
04/04/2025	3	TH	0540	0840	3	3	NE	0	1	2	2	0	0
01/05/2025	4	TH	0430	0730	1	2	SW	0	7	2	2	0	0
01/05/2025	4	TH	0430	0730	2	2	SW	0	8	2	2	0	0
01/05/2025	4	TH	0430	0730	3	2	SW	0	7	2	2	0	0
01/05/2025	4	ENS	0435	0735	1	3	S	0	4	2	2	0	0
01/05/2025	4	JB	0435	0735	1	3	NNE	0	4	2	2	0	0
01/05/2025	4	ENS	0435	0735	2	3	S	0	4	2	2	0	0
01/05/2025	4	JB	0435	0735	2	3	NNE	0	5	2	2	0	0
01/05/2025	4	ENS	0435	0735	3	3	S	0	5	2	2	0	0
01/05/2025	4	JB	0435	0735	3	3	NNE	0	4	2	2	0	0
02/05/2025	4	ENS	0430	0730	1	2	NNW	0	5	1	2	0	0
02/05/2025	4	JB	0430	0730	1	2	NNW	0	5	0	2	0	0
02/05/2025	4	TH	0430	0730	1	3	NW	0	5	2	2	0	0
02/05/2025	4	ENS	0430	0730	2	2	NNW	0	4	2	2	0	0
02/05/2025	4	JB	0430	0730	2	2	NNW	0	5	0	2	0	0
02/05/2025	4	TH	0430	0730	2	3	NW	0	5	2	2	0	0
02/05/2025	4	ENS	0430	0730	3	3	NW	0	4	1	2	0	0
02/05/2025	4	JB	0430	0730	3	2	NNW	0	3	1	2	0	0
02/05/2025	4	TH	0430	0730	3	3	NW	0	5	2	2	0	0

A.3 Scarce Breeding Bird Surveys

Table A-5 details survey dates and weather data recorded. Refer to Annex B and Confidential Technical Appendix 7.2 (Volume 4, EIAR) for survey results.

Table A-5: Meteorological conditions during scarce breeding bird surveys (sorted chronologically)

Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
18/03/2024	1	JR	0900	1500	1	3	SW	0	4	2	2	0	0
18/03/2024	1	JR	0900	1500	2	3	SW	0	5	2	2	0	0
18/03/2024	1	JR	0900	1500	3	3	SW	0	6	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
18/03/2024	1	JR	0900	1500	4	3	SSW	0	5	2	2	0	0
18/03/2024	1	JR	0900	1500	5	4	S	2	7	1	2	0	0
18/03/2024	1	JR	0900	1500	6	4	SSW	0	7	1	2	0	0
19/03/2024	1	JR	0830	1430	1	3	SSW	1	7	1	1	0	0
19/03/2024	1	JR	0830	1430	2	3	SSW	1	8	1	1	0	0
19/03/2024	1	JR	0830	1430	3	3	SSW	0	7	2	2	0	0
19/03/2024	1	JR	0830	1430	4	3	S	2	8	1	1	0	0
19/03/2024	1	JR	0830	1430	5	3	SSW	2	7	2	2	0	0
19/03/2024	1	JR	0830	1430	6	3	SSW	0	6	2	2	0	0
20/03/2024	1	JR	0800	1400	1	1	NE	1	8	1	2	0	0
20/03/2024	1	JR	0800	1400	2	2	NE	0	8	1	1	0	0
20/03/2024	1	JR	0800	1400	3	2	NE	1	8	1	2	0	0
20/03/2024	1	JR	0800	1400	4	2	NE	0	8	2	2	0	0
20/03/2024	1	JR	0800	1400	5	2	NE	0	8	1	2	0	0
20/03/2024	1	JR	0800	1400	6	2	NE	1	8	1	1	0	0
21/03/2024	1	JR	0800	1400	1	4	SE	4	8	1	1	0	0
21/03/2024	1	JR	0800	1400	2	4	SW	4	8	0	0	0	0
21/03/2024	1	JR	0800	1400	3	4	SW	4	8	1	1	0	0
21/03/2024	1	JR	0800	1400	4	4	SW	4	8	1	1	0	0
21/03/2024	1	JR	0800	1400	5	4	SW	2	8	0	0	0	0
21/03/2024	1	JR	0800	1400	6	4	SW	1	8	1	1	0	0
25/03/2024	1	JR	0740	1340	1	3	ESE	3	8	2	2	0	0
25/03/2024	1	JR	0740	1340	2	3	ESE	2	8	2	2	0	0
25/03/2024	1	JR	0740	1340	3	3	ESE	2	8	2	2	0	0
25/03/2024	1	JR	0740	1340	4	4	ESE	3	8	2	2	0	0
25/03/2024	1	JR	0740	1340	5	3	ESE	2	8	2	2	0	0
25/03/2024	1	JR	0740	1340	6	3	ESE	1	8	2	2	0	0
01/04/2024	2	JR	0830	1430	1	3	ENE	0	8	2	2	0	0
01/04/2024	2	JR	0830	1430	2	3	ENE	0	8	2	2	0	0
01/04/2024	2	JR	0830	1430	3	4	NE	3	8	1	1	0	0
01/04/2024	2	JR	0830	1430	4	3	NE	2	8	2	2	0	0
01/04/2024	2	JR	0830	1430	5	3	NE	2	8	1	1	0	0
01/04/2024	2	JR	0830	1430	6	3	NE	2	8	1	1	0	0
02/04/2024	2	JR	0840	1500	1	2	E	0	8	1	2	0	0
02/04/2024	2	JR	0840	1500	2	2	SE	1	8	1	1	0	0
02/04/2024	2	JR	0840	1500	3	2	SE	2	8	1	1	0	0
02/04/2024	2	JR	0840	1500	4	2	S	1	8	1	2	0	0
02/04/2024	2	JR	0840	1500	5	2	S	0	8	2	2	0	0
02/04/2024	2	JR	0840	1500	6	2	S	0	8	1	2	0	0
02/04/2024	2	JR	0840	1500	7	2	S	0	8	1	2	0	0
03/04/2024	2	JR	0730	1330	1	2	ESE	4	8	0	0	0	0
03/04/2024	2	JR	0730	1330	2	2	E	4	8	1	1	0	0
03/04/2024	2	JR	0730	1330	3	2	NE	4	8	1	1	0	0
03/04/2024	2	JR	0730	1330	4	2	NE	4	8	1	1	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
03/04/2024	2	JR	0730	1330	5	2	NE	4	8	1	1	0	0
03/04/2024	2	JR	0730	1330	6	2	NE	4	8	1	1	0	0
04/04/2024	2	JR	0800	1400	1	2	NE	0	8	1	2	0	0
04/04/2024	2	JR	0800	1400	2	2	NE	0	8	2	2	0	0
04/04/2024	2	JR	0800	1400	3	2	NE	0	8	2	2	0	0
04/04/2024	2	JR	0800	1400	4	2	NE	0	8	2	2	0	0
04/04/2024	2	JR	0800	1400	5	2	NE	0	8	2	2	0	0
04/04/2024	2	JR	0800	1400	6	2	NE	0	7	2	2	0	0
15/04/2024	2	JR	0800	1400	1	4	NW	3	7	2	2	0	1
15/04/2024	2	JR	0800	1400	2	4	NW	2	7	1	1	0	1
15/04/2024	2	JR	0800	1400	3	4	NW	3	8	1	1	0	1
15/04/2024	2	JR	0800	1400	4	4	NW	2	7	2	2	0	1
15/04/2024	2	JR	0800	1400	5	5	WNW	2	6	2	2	0	1
15/04/2024	2	JR	0800	1400	6	5	WNW	3	6	2	2	0	1
16/04/2024	2	JR	0830	1400	1	3	NNW	0	4	2	2	0	0
16/04/2024	2	JR	0830	1400	2	3	NNW	0	4	2	2	0	0
16/04/2024	2	JR	0830	1400	3	2	NNW	0	5	2	2	0	0
16/04/2024	2	JR	0830	1400	4	2	NW	0	3	2	2	0	0
16/04/2024	2	JR	0830	1400	5	2	NW	0	4	2	2	0	0
17/04/2024	2	JR	0745	1345	1	2	NW	0	7	2	2	1	0
17/04/2024	2	JR	0745	1345	2	2	NW	0	7	2	2	1	0
17/04/2024	2	JR	0745	1345	3	2	NW	0	6	2	2	0	0
17/04/2024	2	JR	0745	1345	4	3	NW	0	6	2	2	0	0
17/04/2024	2	JR	0745	1345	5	3	NNW	0	5	2	2	0	0
17/04/2024	2	JR	0745	1345	6	3	NNW	0	6	2	2	0	0
18/04/2024	2	JR	0745	1345	1	2	SSW	0	8	2	2	1	0
18/04/2024	2	JR	0745	1345	2	2	SW	2	8	2	2	0	0
18/04/2024	2	JR	0745	1345	3	2	SW	2	8	1	1	0	0
18/04/2024	2	JR	0745	1345	4	3	SW	2	8	1	1	0	0
18/04/2024	2	JR	0745	1345	5	4	SW	1	8	1	1	0	0
18/04/2024	2	JR	0745	1345	6	4	SW	2	8	1	1	0	0
20/05/2024	3	JR	0740	1340	1	2	ENE	0	4	2	2	0	0
20/05/2024	3	JR	0740	1340	2	2	ENE	0	6	2	2	0	0
20/05/2024	3	JR	0740	1340	3	2	E	0	7	2	2	0	0
20/05/2024	3	JR	0740	1340	4	2	E	0	7	2	2	0	0
20/05/2024	3	JR	0740	1340	5	2	E	0	7	2	2	0	0
20/05/2024	3	JR	0740	1340	6	2	E	0	7	2	2	0	0
21/05/2024	3	JR	0830	1430	1	2	E	0	1	2	2	0	0
21/05/2024	3	JR	0830	1430	2	2	E	0	2	2	2	0	0
21/05/2024	3	JR	0830	1430	3	2	E	0	3	2	2	0	0
21/05/2024	3	JR	0830	1430	4	2	ESE	0	6	2	2	0	0
21/05/2024	3	JR	0830	1430	5	3	ESE	0	7	2	2	0	0
21/05/2024	3	JR	0830	1430	6	3	ESE	0	7	2	2	0	0
27/05/2024	3	JR	0800	1430	1	1	SW	3	7	1	1	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
27/05/2024	3	JR	0800	1430	2	1	SW	1	7	1	2	0	0
27/05/2024	3	JR	0800	1430	3	1	SW	3	7	1	2	0	0
27/05/2024	3	JR	0800	1430	4	2	SW	4	8	1	1	0	0
27/05/2024	3	JR	0800	1430	5	3	SW	4	8	1	1	0	0
27/05/2024	3	JR	0800	1430	6	3	SW	3	7	2	2	0	0
27/05/2024	3	JR	0800	1430	7	3	SW	0	7	2	2	0	0
28/05/2024	3	JR	0800	1400	1	3	SE	0	8	1	2	0	0
28/05/2024	3	JR	0800	1400	2	3	SE	0	8	1	2	0	0
28/05/2024	3	JR	0800	1400	3	3	SE	2	8	2	2	0	0
28/05/2024	3	JR	0800	1400	4	3	SE	3	8	1	2	0	0
28/05/2024	3	JR	0800	1400	5	3	SE	4	8	0	1	0	0
28/05/2024	3	JR	0800	1400	6	3	SE	4	8	0	1	0	0
29/05/2024	3	JR	0805	1405	1	2	WNW	1	8	2	2	0	0
29/05/2024	3	JR	0805	1405	2	2	WNW	1	8	1	1	0	0
29/05/2024	3	JR	0805	1405	3	2	WNW	1	8	1	1	0	0
29/05/2024	3	JR	0805	1405	4	2	WNW	1	8	2	2	0	0
29/05/2024	3	JR	0805	1405	5	2	WNW	0	8	2	2	0	0
29/05/2024	3	JR	0805	1405	6	2	WNW	2	8	2	2	0	0
30/05/2024	3	JR	0800	1430	1	2	NNW	0	3	2	2	0	0
30/05/2024	3	JR	0800	1430	2	3	NNW	0	5	2	2	0	0
30/05/2024	3	JR	0800	1430	3	3	N	0	6	2	2	0	0
30/05/2024	3	JR	0800	1430	4	3	N	0	7	2	2	0	0
30/05/2024	3	JR	0800	1430	5	3	N	0	6	2	2	0	0
30/05/2024	3	JR	0800	1430	6	3	N	0	6	2	2	0	0
30/05/2024	3	JR	0800	1430	7	3	N	0	6	2	2	0	0
31/05/2024	3	JR	0740	1240	1	1	N	0	5	2	2	0	0
31/05/2024	3	JR	0740	1240	2	2	N	0	4	2	2	0	0
31/05/2024	3	JR	0740	1240	3	2	N	0	3	2	2	0	0
31/05/2024	3	JR	0740	1240	4	2	N	0	6	2	2	0	0
31/05/2024	3	JR	0740	1240	5	2	N	0	7	2	2	0	0
17/06/2024	4	JR	0815	1445	1	1	NW	0	3	2	2	0	0
17/06/2024	4	JR	0815	1445	2	2	WNW	0	5	2	2	0	0
17/06/2024	4	JR	0815	1445	3	2	WNW	0	6	2	2	0	0
17/06/2024	4	JR	0815	1445	4	3	WNW	0	7	2	2	0	0
17/06/2024	4	JR	0815	1445	5	2	WNW	0	6	2	2	0	0
17/06/2024	4	JR	0815	1445	6	3	WNW	0	5	2	2	0	0
17/06/2024	4	JR	0815	1445	7	3	WNW	0	5	2	2	0	0
18/06/2024	4	JR	0720	1320	1	1	NNE	1	8	2	2	0	0
18/06/2024	4	JR	0720	1320	2	2	NNE	0	8	2	2	0	0
18/06/2024	4	JR	0720	1320	3	2	NNE	0	7	2	2	0	0
18/06/2024	4	JR	0720	1320	4	2	NNE	0	6	2	2	0	0
18/06/2024	4	JR	0720	1320	5	2	NNE	0	7	2	2	0	0
18/06/2024	4	JR	0720	1320	6	2	NNE	0	7	2	2	0	0
19/06/2024	4	JR	0745	1345	1	1	SSW	0	7	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
19/06/2024	4	JR	0745	1345	2	2	SSW	0	5	2	2	0	0
19/06/2024	4	JR	0745	1345	3	2	SSW	0	5	2	2	0	0
19/06/2024	4	JR	0745	1345	4	2	SSW	0	6	2	2	0	0
19/06/2024	4	JR	0745	1345	5	2	SSW	0	5	2	2	0	0
19/06/2024	4	JR	0745	1345	6	2	SW	0	7	2	2	0	0
26/06/2024	4	JR	0840	1440	1	3	SE	1	8	1	1	0	0
26/06/2024	4	JR	0840	1440	2	2	SE	1	8	1	1	0	0
26/06/2024	4	JR	0840	1440	3	3	SE	1	7	2	2	0	0
26/06/2024	4	JR	0840	1440	4	3	SSE	0	6	2	2	0	0
26/06/2024	4	JR	0840	1440	5	3	SSE	0	4	2	2	0	0
26/06/2024	4	JR	0840	1440	6	4	SSE	0	7	2	2	0	0
27/06/2024	4	JR	0810	1410	1	4	SSW	2	7	2	2	0	0
27/06/2024	4	JR	0810	1410	2	4	SSW	2	8	2	2	0	0
27/06/2024	4	JR	0810	1410	3	4	SSW	2	8	1	1	0	0
27/06/2024	4	JR	0810	1410	4	4	SSW	2	8	1	1	0	0
27/06/2024	4	JR	0810	1410	5	4	S	2	8	1	1	0	0
27/06/2024	4	JR	0810	1410	6	4	SSW	3	8	2	2	0	0
28/06/2024	4	JR	0750	1350	1	5	W	3	8	1	1	0	0
28/06/2024	4	JR	0750	1350	2	5	W	3	7	2	2	0	0
28/06/2024	4	JR	0750	1350	3	5	W	2	7	2	2	0	0
28/06/2024	4	JR	0750	1350	4	5	W	0	4	2	2	0	0
28/06/2024	4	JR	0750	1350	5	5	W	2	5	2	2	0	0
28/06/2024	4	JR	0750	1350	6	6	W	2	6	2	2	0	0
08/07/2024	5	JR	0810	1410	1	1	WNW	0	5	2	2	0	0
08/07/2024	5	JR	0810	1410	2	1	WNW	0	5	2	2	0	0
08/07/2024	5	JR	0810	1410	3	2	WNW	0	5	2	2	0	0
08/07/2024	5	JR	0810	1410	4	1	WNW	0	5	2	2	0	0
08/07/2024	5	JR	0810	1410	5	2	W	0	6	2	2	0	0
08/07/2024	5	JR	0810	1410	6	2	W	0	6	2	2	0	0
09/07/2024	5	JR	0815	1415	1	3	ENE	0	6	2	2	0	0
09/07/2024	5	JR	0815	1415	2	3	ENE	0	7	2	2	0	0
09/07/2024	5	JR	0815	1415	3	4	ENE	2	8	2	2	0	0
09/07/2024	5	JR	0815	1415	4	4	ENE	2	8	2	2	0	0
09/07/2024	5	JR	0815	1415	5	4	ENE	2	8	2	2	0	0
09/07/2024	5	JR	0815	1415	6	4	ENE	2	8	2	2	0	0
10/07/2024	5	JR	0800	1400	1	1	ENE	2	8	1	2	0	0
10/07/2024	5	JR	0800	1400	2	2	ENE	3	8	1	2	0	0
10/07/2024	5	JR	0800	1400	3	3	E	2	8	1	2	0	0
10/07/2024	5	JR	0800	1400	4	2	NE	2	8	2	2	0	0
10/07/2024	5	JR	0800	1400	5	2	NNE	0	8	2	2	0	0
10/07/2024	5	JR	0800	1400	6	2	NNW	0	8	2	2	0	0
11/07/2024	5	JR	0745	1345	1	1	NNW	0	7	2	2	0	0
11/07/2024	5	JR	0745	1345	2	1	N	0	8	2	2	0	0
11/07/2024	5	JR	0745	1345	3	2	NNE	0	8	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
11/07/2024	5	JR	0745	1345	4	1	NE	1	8	1	2	0	0
11/07/2024	5	JR	0745	1345	5	1	NE	0	7	2	2	0	0
11/07/2024	5	JR	0745	1345	6	2	NE	2	8	2	2	0	0
14/08/2024	6	JR	0830	1430	1	1	WSW	0	3	2	2	0	0
14/08/2024	6	JR	0830	1430	2	1	WSW	0	3	2	2	0	0
14/08/2024	6	JR	0830	1430	3	2	SW	0	2	2	2	0	0
14/08/2024	6	JR	0830	1430	4	2	SW	0	2	2	2	0	0
14/08/2024	6	JR	0830	1430	5	2	SW	0	1	2	2	0	0
14/08/2024	6	JR	0830	1430	6	2	SW	0	1	2	2	0	0
15/08/2024	6	JR	0845	1345	1	4	SW	4	8	1	1	0	0
15/08/2024	6	JR	0845	1345	2	4	SW	3	8	1	1	0	0
15/08/2024	6	JR	0845	1345	3	5	SW	3	8	1	1	0	0
15/08/2024	6	JR	0845	1345	4	5	WSW	4	8	1	1	0	0
15/08/2024	6	JR	0845	1345	5	5	WSW	4	8	1	1	0	0
19/03/2025	7	IH	0800	1400	1	2	S	0	4	2	2	0	0
19/03/2025	7	JR	0800	1400	1	2	S	0	4	2	2	0	0
19/03/2025	7	IH	0800	1400	2	2	S	0	4	2	2	0	0
19/03/2025	7	JR	0800	1400	2	2	S	0	4	2	2	0	0
19/03/2025	7	IH	0800	1400	3	2	S	0	2	2	2	0	0
19/03/2025	7	JR	0800	1400	3	2	S	0	2	2	2	0	0
19/03/2025	7	IH	0800	1400	4	2	S	0	1	2	2	0	0
19/03/2025	7	JR	0800	1400	4	2	S	0	1	2	2	0	0
19/03/2025	7	IH	0800	1400	5	2	S	0	1	2	2	0	0
19/03/2025	7	JR	0800	1400	5	2	S	0	1	2	2	0	0
19/03/2025	7	IH	0800	1400	6	2	S	0	1	2	2	0	0
19/03/2025	7	JR	0800	1400	6	2	S	0	1	2	2	0	0
20/03/2025	7	IH	0800	1400	1	0	S	0	1	2	0	1	0
20/03/2025	7	JR	0800	1400	1	0	-	0	1	2	1	1	0
20/03/2025	7	IH	0800	1400	2	0	S	0	1	2	0	0	0
20/03/2025	7	JR	0800	1400	2	0	-	0	1	2	2	1	0
20/03/2025	7	IH	0800	1400	3	1	S	0	1	2	0	0	0
20/03/2025	7	JR	0800	1400	3	1	S	0	1	2	2	1	0
20/03/2025	7	IH	0800	1400	4	2	S	0	1	2	0	0	0
20/03/2025	7	JR	0800	1400	4	2	S	0	1	2	2	1	0
20/03/2025	7	IH	0800	1400	5	2	S	0	2	2	0	0	0
20/03/2025	7	JR	0800	1400	5	2	S	0	2	2	2	1	0
20/03/2025	7	IH	0800	1400	6	3	S	0	2	2	0	0	0
20/03/2025	7	JR	0800	1400	6	3	S	0	2	2	2	1	0
21/03/2025	7	JR	0800	1400	1	3	SE	0	4	2	2	0	0
21/03/2025	7	JR	0800	1400	2	4	SE	2	5	2	2	0	0
21/03/2025	7	JR	0800	1400	3	4	SE	0	4	2	2	0	0
21/03/2025	7	JR	0800	1400	4	5	SE	0	4	2	2	0	0
21/03/2025	7	JR	0800	1400	5	5	SE	0	3	2	2	0	0
21/03/2025	7	JR	0800	1400	6	5	SE	0	5	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
01/04/2025	8	IH	0815	1415	1	3	SE	0	0	2	2	0	0
01/04/2025	8	IH	0815	1415	2	3	SE	0	0	2	2	0	0
01/04/2025	8	IH	0815	1415	3	3	SE	0	0	2	2	0	0
01/04/2025	8	IH	0815	1415	4	3	SE	0	1	2	2	0	0
01/04/2025	8	IH	0815	1415	5	3	SE	0	1	2	2	0	0
01/04/2025	8	IH	0815	1415	6	3	SE	0	1	2	2	0	0
01/04/2025	8	JR	0830	1430	1	3	S	0	1	2	2	0	0
01/04/2025	8	JR	0830	1430	2	2	S	0	1	2	2	0	0
01/04/2025	8	JR	0830	1430	3	3	S	0	1	2	2	0	0
01/04/2025	8	JR	0830	1430	4	3	S	0	2	2	2	0	0
01/04/2025	8	JR	0830	1430	5	4	S	0	2	2	2	0	0
01/04/2025	8	JR	0830	1430	6	4	S	0	2	2	2	0	0
01/04/2025	8	LS	0850	1450	1	4	SSE	0	0	2	2	0	0
01/04/2025	8	LS	0850	1450	2	4	SSE	0	0	2	2	0	0
01/04/2025	8	LS	0850	1450	3	3	SSE	0	0	2	2	0	0
01/04/2025	8	LS	0850	1450	4	3	SSE	0	1	2	2	0	0
01/04/2025	8	LS	0850	1450	5	4	SSE	0	1	2	2	0	0
01/04/2025	8	LS	0850	1450	6	4	SSE	0	0	2	2	0	0
02/04/2025	8	IH	0815	1415	1	4	SSE	0	0	2	2	0	0
02/04/2025	8	JR	0815	1415	1	1	SE	0	0	2	2	0	0
02/04/2025	8	LS	0815	1415	1	3	SE	0	0	2	2	0	0
02/04/2025	8	IH	0815	1415	2	4	SSE	0	0	2	2	0	0
02/04/2025	8	JR	0815	1415	2	2	SE	0	0	2	2	0	0
02/04/2025	8	LS	0815	1415	2	3	SE	0	0	2	2	0	0
02/04/2025	8	IH	0815	1415	3	4	SSE	0	0	2	2	0	0
02/04/2025	8	JR	0815	1415	3	3	SE	0	0	2	2	0	0
02/04/2025	8	LS	0815	1415	3	4	SE	0	0	2	2	0	0
02/04/2025	8	IH	0815	1415	4	4	SSE	0	0	2	2	0	0
02/04/2025	8	JR	0815	1415	4	3	SE	0	0	2	2	0	0
02/04/2025	8	LS	0815	1415	4	4	SE	0	0	2	2	0	0
02/04/2025	8	IH	0815	1415	5	4	SSE	0	0	2	2	0	0
02/04/2025	8	JR	0815	1415	5	3	SE	0	0	2	2	0	0
02/04/2025	8	LS	0815	1415	5	4	SE	0	0	2	2	0	0
02/04/2025	8	IH	0815	1415	6	2	SSE	0	0	2	2	0	0
02/04/2025	8	JR	0815	1415	6	4	SE	0	0	2	2	0	0
02/04/2025	8	LS	0815	1415	6	4	SE	0	0	2	2	0	0
03/04/2025	8	JR	0800	1400	1	2	ESE	0	0	2	2	0	0
03/04/2025	8	JR	0800	1400	2	2	E	0	0	2	2	0	0
03/04/2025	8	JR	0800	1400	3	2	E	0	0	2	2	0	0
03/04/2025	8	JR	0800	1400	4	3	ENE	0	0	2	2	0	0
03/04/2025	8	JR	0800	1400	5	3	ENE	0	1	2	2	0	0
03/04/2025	8	JR	0800	1400	6	3	ENE	0	1	2	2	0	0
03/04/2025	8	LS	0810	1410	1	4	E	0	0	2	2	0	0
03/04/2025	8	LS	0810	1410	2	4	E	0	0	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
03/04/2025	8	LS	0810	1410	3	5	E	0	0	2	2	0	0
03/04/2025	8	LS	0810	1410	4	5	E	0	0	2	2	0	0
03/04/2025	8	LS	0810	1410	5	5	E	0	1	2	2	0	0
03/04/2025	8	LS	0810	1410	6	5	E	0	1	2	2	0	0
03/04/2025	8	IH	0815	1415	1	3	E	0	0	2	2	0	0
03/04/2025	8	IH	0815	1415	2	3	E	0	0	2	2	0	0
03/04/2025	8	IH	0815	1415	3	3	E	0	0	2	2	0	0
03/04/2025	8	IH	0815	1415	4	2	E	0	1	2	2	0	0
03/04/2025	8	IH	0815	1415	5	2	E	0	1	2	2	0	0
03/04/2025	8	IH	0815	1415	6	2	E	0	1	2	2	0	0
12/05/2025	9	ENS	0900	1500	1	1	ENE	0	3	2	2	0	0
12/05/2025	9	IH	0900	1500	1	3	N	0	2	2	2	0	0
12/05/2025	9	JR	0900	1500	1	3	ESE	0	5	2	2	0	0
12/05/2025	9	ENS	0900	1500	2	1	ENE	0	4	2	2	0	0
12/05/2025	9	IH	0900	1500	2	3	N	0	2	2	2	0	0
12/05/2025	9	JR	0900	1500	2	3	ESE	0	2	2	2	0	0
12/05/2025	9	ENS	0900	1500	3	2	E	0	4	2	2	0	0
12/05/2025	9	IH	0900	1500	3	3	N	0	3	2	2	0	0
12/05/2025	9	JR	0900	1500	3	3	ESE	0	3	2	2	0	0
12/05/2025	9	ENS	0900	1500	4	2	E	0	4	2	2	0	0
12/05/2025	9	IH	0900	1500	4	3	N	0	4	2	2	0	0
12/05/2025	9	JR	0900	1500	4	3	ESE	0	4	2	2	0	0
12/05/2025	9	ENS	0900	1500	5	2	E	0	5	2	2	0	0
12/05/2025	9	IH	0900	1500	5	4	N	0	4	2	2	0	0
12/05/2025	9	JR	0900	1500	5	3	ESE	0	3	2	2	0	0
12/05/2025	9	ENS	0900	1500	6	2	E	0	5	2	2	0	0
12/05/2025	9	IH	0900	1500	6	4	N	0	4	2	2	0	0
12/05/2025	9	JR	0900	1500	6	3	ESE	0	3	2	2	0	0
13/05/2025	9	IH	0815	1415	1	3	NE	0	0	2	2	0	0
13/05/2025	9	JR	0815	1415	1	2	ENE	0	0	2	2	0	0
13/05/2025	9	IH	0815	1415	2	3	NE	0	0	2	2	0	0
13/05/2025	9	JR	0815	1415	2	2	ENE	0	0	2	2	0	0
13/05/2025	9	IH	0815	1415	3	3	NE	0	0	2	2	0	0
13/05/2025	9	JR	0815	1415	3	3	ENE	0	0	2	2	0	0
13/05/2025	9	IH	0815	1415	4	3	E	0	0	2	2	0	0
13/05/2025	9	JR	0815	1415	4	3	ENE	0	1	2	2	0	0
13/05/2025	9	IH	0815	1415	5	2	E	0	0	2	2	0	0
13/05/2025	9	JR	0815	1415	5	4	ENE	0	1	2	2	0	0
13/05/2025	9	IH	0815	1415	6	2	E	0	0	2	2	0	0
13/05/2025	9	JR	0815	1415	6	4	ENE	0	1	2	2	0	0
14/05/2025	9	ENS	0815	1415	1	3	ENE	0	7	2	2	0	0
14/05/2025	9	JR	0815	1415	1	3	ENE	0	7	2	2	0	0
14/05/2025	9	ENS	0815	1415	2	3	ENE	0	8	2	2	0	0
14/05/2025	9	JR	0815	1415	2	3	ENE	0	7	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
14/05/2025	9	ENS	0815	1415	3	3	ENE	0	3	2	2	0	0
14/05/2025	9	JR	0815	1415	3	3	ENE	0	5	2	2	0	0
14/05/2025	9	ENS	0815	1415	4	3	ENE	0	1	2	2	0	0
14/05/2025	9	JR	0815	1415	4	3	ENE	0	4	2	2	0	0
14/05/2025	9	ENS	0815	1415	5	3	ENE	0	1	2	2	0	0
14/05/2025	9	JR	0815	1415	5	3	ENE	0	1	2	2	0	0
14/05/2025	9	ENS	0815	1415	6	3	ENE	0	1	2	2	0	0
14/05/2025	9	JR	0815	1415	6	3	ENE	0	0	2	2	0	0
15/05/2025	9	IH	0820	1420	1	3	NE	0	0	2	2	0	0
15/05/2025	9	JR	0820	1420	1	2	ENE	0	1	2	2	0	0
15/05/2025	9	IH	0820	1420	2	2	NE	0	0	2	2	0	0
15/05/2025	9	JR	0820	1420	2	3	ENE	0	1	2	2	0	0
15/05/2025	9	IH	0820	1420	3	2	NE	0	0	2	2	0	0
15/05/2025	9	JR	0820	1420	3	3	ENE	0	1	2	2	0	0
15/05/2025	9	IH	0820	1420	4	2	NE	0	0	2	2	0	0
15/05/2025	9	JR	0820	1420	4	3	ENE	0	1	2	2	0	0
15/05/2025	9	IH	0820	1420	5	2	NE	0	0	2	2	0	0
15/05/2025	9	JR	0820	1420	5	3	ENE	0	1	2	2	0	0
15/05/2025	9	IH	0820	1420	6	2	NE	0	0	2	2	0	0
15/05/2025	9	JR	0820	1420	6	3	ENE	0	1	2	2	0	0
23/06/2025	10	JR	0750	1350	1	5	W	2	8	2	2	0	0
23/06/2025	10	JR	0750	1350	2	5	W	3	8	2	2	0	0
23/06/2025	10	JR	0750	1350	3	5	W	2	7	2	2	0	0
23/06/2025	10	JR	0750	1350	4	6	W	0	6	2	2	0	0
23/06/2025	10	JR	0750	1350	5	6	W	0	7	2	2	0	0
23/06/2025	10	JR	0750	1350	6	6	W	0	8	2	2	0	0
24/06/2025	10	ENS	0750	1350	1	4	WSW	1	8	1	1	0	0
24/06/2025	10	JR	0750	1350	1	4	WSW	1	8	1	1	0	0
24/06/2025	10	ENS	0750	1350	2	4	WSW	1	8	1	0	0	0
24/06/2025	10	JR	0750	1350	2	4	WSW	2	8	1	1	0	0
24/06/2025	10	ENS	0750	1350	3	4	WSW	1	8	1	0	0	0
24/06/2025	10	JR	0750	1350	3	4	WSW	2	8	1	1	0	0
24/06/2025	10	ENS	0750	1350	4	4	SW	1	7	2	0	0	0
24/06/2025	10	JR	0750	1350	4	4	SW	2	7	2	1	0	0
24/06/2025	10	ENS	0750	1350	5	5	SW	0	7	2	2	0	0
24/06/2025	10	JR	0750	1350	5	5	SW	0	7	2	2	0	0
24/06/2025	10	ENS	0750	1350	6	5	SW	0	7	2	2	0	0
24/06/2025	10	JR	0750	1350	6	5	SW	0	7	2	2	0	0
25/06/2025	10	ENS	0750	1350	1	2	SW	0	8	2	2	0	0
25/06/2025	10	JR	0750	1350	1	2	SW	0	8	2	2	0	0
25/06/2025	10	ENS	0750	1350	2	2	SW	0	8	2	2	0	0
25/06/2025	10	JR	0750	1350	2	1	SW	0	8	2	2	0	0
25/06/2025	10	ENS	0750	1350	3	2	SSW	0	8	2	2	0	0
25/06/2025	10	JR	0750	1350	3	2	SSW	0	8	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
25/06/2025	10	ENS	0750	1350	4	2	SSW	0	8	2	2	0	0
25/06/2025	10	JR	0750	1350	4	2	S	0	8	2	2	0	0
25/06/2025	10	ENS	0750	1350	5	3	SSW	0	8	2	2	0	0
25/06/2025	10	JR	0750	1350	5	2	S	0	8	2	2	0	0
25/06/2025	10	ENS	0750	1350	6	3	SSW	0	8	2	2	0	0
25/06/2025	10	JR	0750	1350	6	3	S	0	8	2	2	0	0
26/06/2025	10	ENS	0750	1350	1	2	SW	0	8	2	2	0	0
26/06/2025	10	JR	0750	1350	1	3	WSW	2	8	2	2	0	0
26/06/2025	10	ENS	0750	1350	2	2	SW	2	8	1	0	0	0
26/06/2025	10	JR	0750	1350	2	3	WSW	2	8	1	1	0	0
26/06/2025	10	ENS	0750	1350	3	3	SW	2	8	2	0	0	0
26/06/2025	10	JR	0750	1350	3	3	W	1	8	1	1	0	0
26/06/2025	10	ENS	0750	1350	4	3	W	0	7	2	2	0	0
26/06/2025	10	JR	0750	1350	4	3	W	0	8	1	2	0	0
26/06/2025	10	ENS	0750	1350	5	4	W	0	6	2	2	0	0
26/06/2025	10	JR	0750	1350	5	4	W	0	6	2	2	0	0
26/06/2025	10	ENS	0750	1350	6	4	W	0	5	2	2	0	0
26/06/2025	10	JR	0750	1350	6	4	W	0	5	2	2	0	0
14/07/2025	11	ENS	0800	1400	1	3	SE	1	8	0	0	0	0
14/07/2025	11	JR	0800	1400	1	3	SE	1	8	1	0	0	0
14/07/2025	11	ENS	0800	1400	2	4	SSE	1	8	0	0	0	0
14/07/2025	11	JR	0800	1400	2	4	SSE	1	8	0	0	0	0
14/07/2025	11	ENS	0800	1400	3	4	SSE	2	8	0	0	0	0
14/07/2025	11	JR	0800	1400	3	4	SSE	2	8	0	0	0	0
14/07/2025	11	ENS	0800	1400	4	4	S	3	8	0	0	0	0
14/07/2025	11	JR	0800	1400	4	4	S	3	8	0	0	0	0
14/07/2025	11	ENS	0800	1400	5	3	S	2	8	1	1	0	0
14/07/2025	11	JR	0800	1400	5	3	S	2	8	1	0	0	0
14/07/2025	11	ENS	0800	1400	6	3	S	2	8	1	0	0	0
14/07/2025	11	JR	0800	1400	6	3	S	2	8	1	0	0	0
15/07/2025	11	ENS	0800	1300	1	4	SE	4	8	2	1	0	0
15/07/2025	11	JR	0800	1300	1	4	SE	4	8	2	1	0	0
15/07/2025	11	ENS	0800	1300	2	4	SE	4	8	2	1	0	0
15/07/2025	11	JR	0800	1300	2	4	SE	4	8	1	1	0	0
15/07/2025	11	ENS	0800	1300	3	4	SE	4	8	1	1	0	0
15/07/2025	11	JR	0800	1300	3	4	SE	4	8	1	1	0	0
15/07/2025	11	ENS	0800	1300	4	4	SE	1	8	2	2	0	0
15/07/2025	11	JR	0800	1300	4	4	SE	4	8	2	2	0	0
15/07/2025	11	ENS	0800	1300	5	3	SE	0	8	2	2	0	0
15/07/2025	11	JR	0800	1300	5	3	SE	0	7	2	2	0	0
16/07/2025	11	JR	0700	1500	1	2	NNE	0	6	2	2	0	0
16/07/2025	11	JR	0700	1500	2	2	NNE	0	7	2	2	0	0
16/07/2025	11	JR	0700	1500	3	2	NNE	1	8	1	1	0	0
16/07/2025	11	JR	0700	1500	4	2	NNE	0	8	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
16/07/2025	11	JR	0700	1500	5	2	NE	0	7	2	2	0	0
16/07/2025	11	JR	0700	1500	6	2	NE	0	7	2	2	0	0
16/07/2025	11	JR	0700	1500	7	2	NE	0	8	2	2	0	0
16/07/2025	11	JR	0700	1500	8	2	NE	0	8	2	2	0	0
01/08/2025	12	ENS	0900	1500	1	2	NNW	0	7	2	2	0	0
01/08/2025	12	IH	0900	1500	1	3	NW	0	8	2	2	0	0
01/08/2025	12	LS	0900	1500	1	3	NNW	0	6	2	2	0	0
01/08/2025	12	ENS	0900	1500	2	3	NNW	0	7	2	2	0	0
01/08/2025	12	IH	0900	1500	2	3	NW	0	8	2	2	0	0
01/08/2025	12	LS	0900	1500	2	3	NNW	0	6	2	2	0	0
01/08/2025	12	ENS	0900	1500	3	3	NNW	0	7	2	2	0	0
01/08/2025	12	IH	0900	1500	3	3	NW	0	8	2	2	0	0
01/08/2025	12	LS	0900	1500	3	3	NNW	0	6	2	2	0	0
01/08/2025	12	ENS	0900	1500	4	3	NNW	0	8	2	2	0	0
01/08/2025	12	IH	0900	1500	4	4	NW	0	8	2	2	0	0
01/08/2025	12	LS	0900	1500	4	3	NNW	0	7	2	2	0	0
01/08/2025	12	ENS	0900	1500	5	3	NNW	0	8	2	2	0	0
01/08/2025	12	IH	0900	1500	5	3	NW	0	8	2	2	0	0
01/08/2025	12	LS	0900	1500	5	2	NNW	0	7	2	2	0	0
01/08/2025	12	ENS	0900	1500	6	3	NNW	0	7	2	2	0	0
01/08/2025	12	IH	0900	1500	6	3	NW	0	8	2	2	0	0
01/08/2025	12	LS	0900	1500	6	2	NNW	0	7	2	2	0	0

A.4 Moorland Breeding Bird Surveys

Table A-6 details survey dates and weather data recorded. Refer to Annex B for survey results.

Table A-6: Meteorological conditions during moorland breeding bird surveys (sorted chronologically)

Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
08/04/2024	1	LS	0900	1500	1	3	S	0	7	2	2	0	0
08/04/2024	1	LS	0900	1500	2	3	S	0	5	2	2	0	0
08/04/2024	1	LS	0900	1500	3	3	S	0	5	2	2	0	0
08/04/2024	1	LS	0900	1500	4	3	S	0	7	2	2	0	0
08/04/2024	1	LS	0900	1500	5	3	S	0	7	2	2	0	0
08/04/2024	1	LS	0900	1500	6	3	S	0	5	2	2	0	0
09/04/2024	1	EB	0930	1530	1	4	NW	3	8	2	2	0	0
09/04/2024	1	LS	0930	1530	1	4	NW	3	8	2	2	0	0
09/04/2024	1	EB	0930	1530	2	4	NW	2	8	2	2	0	0
09/04/2024	1	LS	0930	1530	2	4	NW	1	8	2	2	0	0
09/04/2024	1	EB	0930	1530	3	5	NW	1	8	2	2	0	0
09/04/2024	1	LS	0930	1530	3	5	NW	0	8	2	2	0	0
09/04/2024	1	EB	0930	1530	4	6	NW	0	8	2	2	0	0
09/04/2024	1	LS	0930	1530	4	6	NW	0	8	2	2	0	0
09/04/2024	1	EB	0930	1530	5	5	NW	0	8	2	2	0	0
09/04/2024	1	LS	0930	1530	5	5	NW	0	8	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
09/04/2024	1	EB	0930	1530	6	5	NW	2	8	2	2	0	0
09/04/2024	1	LS	0930	1530	6	5	NW	0	8	2	2	0	0
10/04/2024	1	EB	0850	1450	1	5	S	0	8	2	2	0	0
10/04/2024	1	LS	0850	1450	1	5	S	0	8	2	2	0	0
10/04/2024	1	EB	0850	1450	2	5	S	2	8	2	2	0	0
10/04/2024	1	LS	0850	1450	2	5	S	2	8	2	2	0	0
10/04/2024	1	EB	0850	1450	3	6	S	3	8	2	2	0	0
10/04/2024	1	LS	0850	1450	3	5	S	3	8	2	2	0	0
10/04/2024	1	EB	0850	1450	4	7	S	3	8	2	2	0	0
10/04/2024	1	LS	0850	1450	4	6	S	3	8	2	2	0	0
10/04/2024	1	EB	0850	1450	5	7	S	3	8	1	2	0	0
10/04/2024	1	LS	0850	1450	5	6	S	3	8	2	2	0	0
10/04/2024	1	EB	0850	1450	6	7	S	3	8	0	0	0	0
10/04/2024	1	LS	0850	1450	6	7	S	3	8	2	2	0	0
11/04/2024	1	EB	0900	1500	1	5	SW	0	6	2	2	0	0
11/04/2024	1	LS	0900	1500	1	5	S	0	4	2	2	0	0
11/04/2024	1	EB	0900	1500	2	6	SW	0	7	2	2	0	0
11/04/2024	1	LS	0900	1500	2	5	S	0	5	2	2	0	0
11/04/2024	1	EB	0900	1500	3	5	SW	0	7	2	2	0	0
11/04/2024	1	LS	0900	1500	3	4	S	0	5	2	2	0	0
11/04/2024	1	EB	0900	1500	4	5	SW	0	6	2	2	0	0
11/04/2024	1	LS	0900	1500	4	4	S	0	5	2	2	0	0
11/04/2024	1	EB	0900	1500	5	5	SW	0	7	2	2	0	0
11/04/2024	1	LS	0900	1500	5	4	S	0	5	2	2	0	0
11/04/2024	1	EB	0900	1500	6	6	SW	0	7	2	2	0	0
11/04/2024	1	LS	0900	1500	6	4	S	0	5	2	2	0	0
06/05/2024	2	JR	1100	1700	1	2	NNE	2	8	1	1	0	0
06/05/2024	2	LS	1100	1700	1	2	NNE	2	8	1	1	0	0
06/05/2024	2	JR	1100	1700	2	2	NNE	1	8	1	1	0	0
06/05/2024	2	LS	1100	1700	2	2	NNE	1	8	1	2	0	0
06/05/2024	2	JR	1100	1700	3	2	NNE	0	8	2	2	0	0
06/05/2024	2	LS	1100	1700	3	2	NNE	0	8	2	2	0	0
06/05/2024	2	JR	1100	1700	4	2	NNE	0	8	2	2	0	0
06/05/2024	2	LS	1100	1700	4	2	NNE	0	8	2	2	0	0
06/05/2024	2	JR	1100	1700	5	2	NNE	0	8	2	2	0	0
06/05/2024	2	LS	1100	1700	5	2	NNE	0	8	2	2	0	0
06/05/2024	2	JR	1100	1700	6	2	NNE	0	8	2	2	0	0
06/05/2024	2	LS	1100	1700	6	2	NNE	0	8	2	2	0	0
09/05/2024	2	EB	0800	1400	1	3	W	0	7	2	2	0	0
09/05/2024	2	JR	0800	1400	1	3	WSW	0	5	2	2	0	0
09/05/2024	2	LS	0800	1400	1	5	W	0	6	2	2	0	0
09/05/2024	2	EB	0800	1400	2	3	W	0	8	2	2	0	0
09/05/2024	2	JR	0800	1400	2	3	SW	0	6	2	2	0	0
09/05/2024	2	LS	0800	1400	2	5	W	0	6	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
09/05/2024	2	EB	0800	1400	3	3	W	0	7	2	2	0	0
09/05/2024	2	JR	0800	1400	3	3	SW	0	6	2	2	0	0
09/05/2024	2	LS	0800	1400	3	4	W	0	6	2	2	0	0
09/05/2024	2	EB	0800	1400	4	4	W	0	6	2	2	0	0
09/05/2024	2	JR	0800	1400	4	3	SW	0	7	2	2	0	0
09/05/2024	2	LS	0800	1400	4	4	W	0	5	2	2	0	0
09/05/2024	2	EB	0800	1400	5	3	W	0	8	2	2	0	0
09/05/2024	2	JR	0800	1400	5	3	SW	0	6	2	2	0	0
09/05/2024	2	LS	0800	1400	5	4	W	0	5	2	2	0	0
09/05/2024	2	EB	0800	1400	6	3	W	0	6	2	2	0	0
09/05/2024	2	JR	0800	1400	6	3	SW	0	6	2	2	0	0
09/05/2024	2	LS	0800	1400	6	4	W	0	4	2	2	0	0
15/05/2024	2	EB	0900	1500	1	3	S	0	7	2	2	0	0
15/05/2024	2	LS	0900	1500	1	2	SSE	0	6	2	2	0	0
15/05/2024	2	EB	0900	1500	2	3	SSE	0	7	2	2	0	0
15/05/2024	2	LS	0900	1500	2	2	SSE	0	6	2	2	0	0
15/05/2024	2	EB	0900	1500	3	3	SSE	0	7	2	2	0	0
15/05/2024	2	LS	0900	1500	3	2	SSE	0	6	2	2	0	0
15/05/2024	2	EB	0900	1500	4	3	SSE	0	7	2	2	0	0
15/05/2024	2	LS	0900	1500	4	2	SSE	0	6	2	2	0	0
15/05/2024	2	EB	0900	1500	5	3	SSE	0	7	2	2	0	0
15/05/2024	2	LS	0900	1500	5	2	SSE	0	6	2	2	0	0
15/05/2024	2	EB	0900	1500	6	3	SSE	0	7	2	2	0	0
15/05/2024	2	LS	0900	1500	6	1	SSE	0	6	2	2	0	0
03/06/2024	3	IH	0900	1500	1	4	NW	1	8	1	1	0	0
03/06/2024	3	LS	0900	1500	1	4	NW	1	8	1	1	0	0
03/06/2024	3	IH	0900	1500	2	3	NW	0	8	2	2	0	0
03/06/2024	3	LS	0900	1500	2	3	NW	0	8	2	2	0	0
03/06/2024	3	IH	0900	1500	3	3	NW	0	7	2	2	0	0
03/06/2024	3	LS	0900	1500	3	3	NW	0	7	2	2	0	0
03/06/2024	3	IH	0900	1500	4	3	NW	0	5	2	2	0	0
03/06/2024	3	LS	0900	1500	4	3	NW	0	5	2	2	0	0
03/06/2024	3	IH	0900	1500	5	3	NW	0	4	2	2	0	0
03/06/2024	3	LS	0900	1500	5	3	NW	0	4	2	2	0	0
03/06/2024	3	IH	0900	1500	6	3	NW	0	4	2	2	0	0
03/06/2024	3	LS	0900	1500	6	3	NW	0	4	2	2	0	0
04/06/2024	3	IH	0900	1500	1	5	W	2	8	2	2	0	0
04/06/2024	3	LS	0900	1500	1	5	W	2	8	2	2	0	0
04/06/2024	3	IH	0900	1500	2	5	W	1	8	2	2	0	0
04/06/2024	3	LS	0900	1500	2	5	W	1	8	2	2	0	0
04/06/2024	3	IH	0900	1500	3	5	W	1	8	2	2	0	0
04/06/2024	3	LS	0900	1500	3	5	W	0	8	2	2	0	0
04/06/2024	3	IH	0900	1500	4	4	W	1	8	2	2	0	0
04/06/2024	3	LS	0900	1500	4	4	W	0	7	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
04/06/2024	3	IH	0900	1500	5	4	W	0	5	2	2	0	0
04/06/2024	3	LS	0900	1500	5	6	W	0	4	2	2	0	0
04/06/2024	3	IH	0900	1500	6	3	W	0	4	2	2	0	0
04/06/2024	3	LS	0900	1500	6	6	W	0	4	2	2	0	0
05/06/2024	3	IH	0910	1510	1	6	W	3	8	2	2	0	0
05/06/2024	3	LS	0910	1510	1	6	W	1	7	2	2	0	0
05/06/2024	3	IH	0910	1510	2	6	W	2	8	2	2	0	0
05/06/2024	3	LS	0910	1510	2	6	W	0	7	2	2	0	0
05/06/2024	3	IH	0910	1510	3	5	W	2	7	2	2	0	0
05/06/2024	3	LS	0910	1510	3	7	W	2	8	2	2	0	0
05/06/2024	3	IH	0910	1510	4	4	W	0	5	2	2	0	0
05/06/2024	3	LS	0910	1510	4	7	W	0	6	2	2	0	0
05/06/2024	3	IH	0910	1510	5	5	W	0	5	2	2	0	0
05/06/2024	3	LS	0910	1510	5	7	W	0	5	2	2	0	0
05/06/2024	3	IH	0910	1510	6	5	W	0	4	2	2	0	0
05/06/2024	3	LS	0910	1510	6	7	W	0	5	2	2	0	0
06/06/2024	3	LS	0920	1520	1	5	W	1	5	2	2	0	0
06/06/2024	3	LS	0920	1520	2	6	W	1	5	2	2	0	0
06/06/2024	3	LS	0920	1520	3	5	W	2	5	2	2	0	0
06/06/2024	3	LS	0920	1520	4	5	W	2	5	2	2	0	0
06/06/2024	3	LS	0920	1520	5	4	W	0	6	2	2	0	0
06/06/2024	3	LS	0920	1520	6	4	W	0	5	2	2	0	0
03/07/2024	4	EB	0845	1445	1	4	S	0	8	1	2	0	0
03/07/2024	4	IH	0845	1445	1	3	SW	0	8	1	2	0	0
03/07/2024	4	LS	0845	1445	1	4	S	1	8	1	1	0	0
03/07/2024	4	EB	0845	1445	2	4	S	0	8	1	2	0	0
03/07/2024	4	IH	0845	1445	2	4	SW	0	8	1	2	0	0
03/07/2024	4	LS	0845	1445	2	4	S	1	8	1	1	0	0
03/07/2024	4	EB	0845	1445	3	3	S	0	8	1	2	0	0
03/07/2024	4	IH	0845	1445	3	4	SW	1	8	2	2	0	0
03/07/2024	4	LS	0845	1445	3	4	S	0	8	1	2	0	0
03/07/2024	4	EB	0845	1445	4	4	S	1	8	1	2	0	0
03/07/2024	4	IH	0845	1445	4	3	SW	0	8	1	2	0	0
03/07/2024	4	LS	0845	1445	4	4	S	1	8	2	2	0	0
03/07/2024	4	EB	0845	1445	5	4	S	1	8	1	2	0	0
03/07/2024	4	IH	0845	1445	5	3	SW	1	8	2	2	0	0
03/07/2024	4	LS	0845	1445	5	4	S	1	8	2	2	0	0
03/07/2024	4	EB	0845	1445	6	4	S	2	8	1	2	0	0
03/07/2024	4	IH	0845	1445	6	2	SW	0	8	2	2	0	0
03/07/2024	4	LS	0845	1445	6	4	S	1	8	2	2	0	0
04/07/2024	4	EB	0915	1515	1	6	SW	3	7	2	2	0	0
04/07/2024	4	IH	0915	1515	1	6	SW	3	7	2	2	0	0
04/07/2024	4	LS	0915	1515	1	6	SW	3	7	2	2	0	0
04/07/2024	4	EB	0915	1515	2	6	SW	3	7	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
04/07/2024	4	IH	0915	1515	2	6	SW	3	7	2	2	0	0
04/07/2024	4	LS	0915	1515	2	6	SW	3	7	2	2	0	0
04/07/2024	4	EB	0915	1515	3	6	SW	2	5	2	2	0	0
04/07/2024	4	IH	0915	1515	3	6	SW	2	6	2	2	0	0
04/07/2024	4	LS	0915	1515	3	6	SW	2	5	2	2	0	0
04/07/2024	4	EB	0915	1515	4	7	SW	2	6	2	2	0	0
04/07/2024	4	IH	0915	1515	4	7	SW	2	6	2	2	0	0
04/07/2024	4	LS	0915	1515	4	7	SW	2	6	2	2	0	0
04/07/2024	4	EB	0915	1515	5	7	SW	2	6	2	2	0	0
04/07/2024	4	IH	0915	1515	5	7	SW	1	5	2	2	0	0
04/07/2024	4	LS	0915	1515	5	6	SW	2	5	2	2	0	0
04/07/2024	4	EB	0915	1515	6	6	SW	2	5	2	2	0	0
04/07/2024	4	IH	0915	1515	6	6	SW	0	5	2	2	0	0
04/07/2024	4	LS	0915	1515	6	6	SW	0	5	2	2	0	0
05/07/2024	4	EB	0915	1515	1	5	W	2	8	2	2	0	0
05/07/2024	4	EB	0915	1515	2	5	W	1	8	2	2	0	0
05/07/2024	4	EB	0915	1515	3	5	W	0	8	2	2	0	0
05/07/2024	4	EB	0915	1515	4	5	W	0	8	2	2	0	0
05/07/2024	4	EB	0915	1515	5	4	W	0	8	2	2	0	0
05/07/2024	4	EB	0915	1515	6	4	W	0	8	2	2	0	0
01/04/2025	5	TH	0930	1500	1	3	SE	0	2	2	2	0	0
01/04/2025	5	TL	0930	1230	1	4	SE	0	1	2	2	0	0
01/04/2025	5	TH	0930	1500	2	2	SE	0	2	2	2	0	0
01/04/2025	5	TL	0930	1230	2	4	SE	0	1	2	2	0	0
01/04/2025	5	TH	0930	1500	3	3	SE	0	2	2	2	0	0
01/04/2025	5	TL	0930	1230	3	4	ESE	0	1	2	2	0	0
01/04/2025	5	TH	0930	1500	4	3	SE	0	2	2	2	0	0
01/04/2025	5	TH	0930	1500	5	4	SE	0	2	2	2	0	0
01/04/2025	5	TH	0930	1500	6	4	SE	0	2	2	2	0	0
01/04/2025	5	TL	1300	1500	1	4	SE	0	1	2	2	0	0
01/04/2025	5	TL	1300	1500	2	4	SE	0	1	2	2	0	0
02/04/2025	5	EB	0930	1530	1	3	SE	0	1	2	2	0	0
02/04/2025	5	TH	0930	1530	1	2	SE	0	0	2	2	0	0
02/04/2025	5	EB	0930	1530	2	4	SE	0	0	2	2	0	0
02/04/2025	5	TH	0930	1530	2	2	SE	0	0	2	2	0	0
02/04/2025	5	EB	0930	1530	3	4	SE	0	0	2	2	0	0
02/04/2025	5	TH	0930	1530	3	2	SE	0	0	2	2	0	0
02/04/2025	5	EB	0930	1530	4	4	SE	0	0	2	2	0	0
02/04/2025	5	TH	0930	1530	4	3	SE	0	0	2	2	0	0
02/04/2025	5	EB	0930	1530	5	4	SE	0	0	2	2	0	0
02/04/2025	5	TH	0930	1530	5	3	SE	0	0	2	2	0	0
02/04/2025	5	EB	0930	1530	6	4	SE	0	0	2	2	0	0
02/04/2025	5	TH	0930	1530	6	3	SE	0	0	2	2	0	0
03/04/2025	5	ENS	0930	1500	1	3	ENE	0	0	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
03/04/2025	5	TH	0930	1500	1	2	E	0	1	2	2	0	0
03/04/2025	5	TL	0930	1500	1	4	NE	0	1	2	2	0	0
03/04/2025	5	ENS	0930	1500	2	3	ENE	0	0	2	2	0	0
03/04/2025	5	TH	0930	1500	2	4	E	0	1	2	2	0	0
03/04/2025	5	TL	0930	1500	2	4	NE	0	1	2	2	0	0
03/04/2025	5	ENS	0930	1500	3	4	E	0	1	2	2	0	0
03/04/2025	5	TH	0930	1500	3	3	E	0	1	2	2	0	0
03/04/2025	5	TL	0930	1500	3	4	NNE	0	1	2	2	0	0
03/04/2025	5	ENS	0930	1500	4	4	E	0	1	2	2	0	0
03/04/2025	5	TH	0930	1500	4	3	E	0	1	2	2	0	0
03/04/2025	5	TL	0930	1500	4	4	NNE	0	1	2	2	0	0
03/04/2025	5	ENS	0930	1500	5	4	E	0	1	2	2	0	0
03/04/2025	5	TH	0930	1500	5	3	E	0	2	2	2	0	0
03/04/2025	5	TL	0930	1500	5	4	NNE	0	1	2	2	0	0
03/04/2025	5	ENS	0930	1500	6	4	E	0	1	2	2	0	0
03/04/2025	5	TH	0930	1500	6	3	E	0	2	2	2	0	0
03/04/2025	5	TL	0930	1500	6	4	NNE	0	1	2	2	0	0
12/05/2025	6	JB	0930	1500	1	1	NE	0	2	2	2	0	0
12/05/2025	6	TH	0930	1500	1	1	NE	0	3	2	2	0	0
12/05/2025	6	JB	0930	1500	2	2	NE	0	5	2	2	0	0
12/05/2025	6	TH	0930	1500	2	2	NE	0	5	2	2	0	0
12/05/2025	6	JB	0930	1500	3	2	NE	0	4	2	2	0	0
12/05/2025	6	TH	0930	1500	3	3	NE	0	5	2	2	0	0
12/05/2025	6	JB	0930	1500	4	2	NE	0	4	2	2	0	0
12/05/2025	6	TH	0930	1500	4	3	NE	0	5	2	2	0	0
12/05/2025	6	JB	0930	1500	5	3	NE	0	5	2	2	0	0
12/05/2025	6	TH	0930	1500	5	3	NE	0	5	2	2	0	0
12/05/2025	6	JB	0930	1500	6	3	NE	0	5	2	2	0	0
12/05/2025	6	TH	0930	1500	6	3	NE	0	5	2	2	0	0
13/05/2025	6	JB	0920	1500	1	1	E	0	0	2	2	0	0
13/05/2025	6	TH	0920	1500	1	3	NE	0	3	2	2	0	0
13/05/2025	6	JB	0920	1500	2	0	-	0	0	2	2	0	0
13/05/2025	6	TH	0920	1500	2	3	NE	0	2	2	2	0	0
13/05/2025	6	JB	0920	1500	3	2	E	0	0	2	2	0	0
13/05/2025	6	TH	0920	1500	3	3	NE	0	0	2	2	0	0
13/05/2025	6	JB	0920	1500	4	1	E	0	1	2	2	0	0
13/05/2025	6	TH	0920	1500	4	4	NE	0	1	2	2	0	0
13/05/2025	6	JB	0920	1500	5	1	E	0	1	2	2	0	0
13/05/2025	6	TH	0920	1500	5	4	NE	0	1	2	2	0	0
13/05/2025	6	JB	0920	1500	6	2	E	0	1	2	2	0	0
13/05/2025	6	TH	0920	1500	6	4	NE	0	1	2	2	0	0
14/05/2025	6	EB	0900	1430	1	2	NE	0	8	2	2	0	0
14/05/2025	6	JB	0900	1430	1	2	NE	0	8	2	2	0	0
14/05/2025	6	TH	0900	1430	1	3	NE	0	8	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
14/05/2025	6	EB	0900	1430	2	3	NE	0	6	2	2	0	0
14/05/2025	6	JB	0900	1430	2	3	NE	0	7	2	2	0	0
14/05/2025	6	TH	0900	1430	2	3	NE	0	5	2	2	0	0
14/05/2025	6	EB	0900	1430	3	3	NE	0	4	2	2	0	0
14/05/2025	6	JB	0900	1430	3	2	NE	0	5	2	2	0	0
14/05/2025	6	TH	0900	1430	3	3	NE	0	2	2	2	0	0
14/05/2025	6	EB	0900	1430	4	3	NE	0	1	2	2	0	0
14/05/2025	6	JB	0900	1430	4	2	NE	0	2	2	2	0	0
14/05/2025	6	TH	0900	1430	4	3	NE	0	1	2	2	0	0
14/05/2025	6	EB	0900	1430	5	3	NE	0	1	2	2	0	0
14/05/2025	6	JB	0900	1430	5	1	NE	0	1	2	2	0	0
14/05/2025	6	TH	0900	1430	5	3	NE	0	1	2	2	0	0
14/05/2025	6	EB	0900	1430	6	2	NE	0	1	2	2	0	0
14/05/2025	6	JB	0900	1430	6	1	NE	0	1	2	2	0	0
14/05/2025	6	TH	0900	1430	6	3	NE	0	1	2	2	0	0
10/06/2025	7	ENS	1200	1800	1	2	NW	0	5	2	2	0	0
10/06/2025	7	IH	1200	1800	1	3	NW	0	3	2	2	0	0
10/06/2025	7	LML	1200	1800	1	3	NW	0	5	2	2	0	0
10/06/2025	7	ENS	1200	1800	2	3	NW	0	5	2	2	0	0
10/06/2025	7	IH	1200	1800	2	3	NW	0	2	2	2	0	0
10/06/2025	7	LML	1200	1800	2	3	NW	0	5	2	2	0	0
10/06/2025	7	ENS	1200	1800	3	2	WNW	0	6	2	2	0	0
10/06/2025	7	IH	1200	1800	3	4	NW	0	2	2	2	0	0
10/06/2025	7	LML	1200	1800	3	3	WNW	0	5	2	2	0	0
10/06/2025	7	ENS	1200	1800	4	2	WNW	0	5	2	2	0	0
10/06/2025	7	IH	1200	1800	4	4	NW	0	2	2	2	0	0
10/06/2025	7	LML	1200	1800	4	2	WNW	0	4	2	2	0	0
10/06/2025	7	ENS	1200	1800	5	2	WNW	0	3	2	2	0	0
10/06/2025	7	IH	1200	1800	5	4	NW	0	2	2	2	0	0
10/06/2025	7	LML	1200	1800	5	3	W	0	3	2	2	0	0
10/06/2025	7	ENS	1200	1800	6	2	WNW	0	2	2	2	0	0
10/06/2025	7	IH	1200	1800	6	4	NW	0	2	2	2	0	0
10/06/2025	7	LML	1200	1800	6	2	W	0	2	2	2	0	0
11/06/2025	7	IH	0830	1430	1	3	SE	0	0	2	2	0	0
11/06/2025	7	LML	0830	1430	1	2	SSE	0	2	2	2	0	0
11/06/2025	7	IH	0830	1430	2	3	SE	0	0	2	2	0	0
11/06/2025	7	LML	0830	1430	2	3	SSE	0	2	2	2	0	0
11/06/2025	7	IH	0830	1430	3	3	SE	0	0	2	2	0	0
11/06/2025	7	LML	0830	1430	3	2	S	0	2	2	2	0	0
11/06/2025	7	IH	0830	1430	4	3	SE	0	0	2	2	0	0
11/06/2025	7	LML	0830	1430	4	3	S	0	2	2	2	0	0
11/06/2025	7	IH	0830	1430	5	3	SE	0	1	2	2	0	0
11/06/2025	7	LML	0830	1430	5	3	S	0	2	2	2	0	0
11/06/2025	7	IH	0830	1430	6	3	SE	0	1	2	2	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
11/06/2025	7	LML	0830	1430	6	2	S	0	2	2	2	0	0
11/06/2025	7	LS	0845	1445	1	3	SW	0	2	2	2	0	0
11/06/2025	7	LS	0845	1445	2	3	SW	0	2	2	2	0	0
11/06/2025	7	LS	0845	1445	3	3	SW	0	2	2	2	0	0
11/06/2025	7	LS	0845	1445	4	3	SW	0	2	2	2	0	0
11/06/2025	7	LS	0845	1445	5	3	SW	0	2	2	2	0	0
11/06/2025	7	LS	0845	1445	6	3	SW	0	2	2	2	0	0
12/06/2025	7	TH	0945	1500	1	2	SE	0	7	2	2	0	0
12/06/2025	7	TH	0945	1500	2	3	SE	0	7	2	2	0	0
12/06/2025	7	TH	0945	1500	3	5	SE	0	5	2	2	0	0
12/06/2025	7	TH	0945	1500	4	5	SE	0	6	2	2	0	0
12/06/2025	7	TH	0945	1500	5	3	SE	0	6	2	2	0	0
12/06/2025	7	TH	0945	1500	6	3	SE	0	6	2	2	0	0
27/06/2025	7	JB	0850	1415	1	4	S	1	8	1	2	0	0
27/06/2025	7	JB	0850	1415	2	3	S	1	8	1	2	0	0
27/06/2025	7	JB	0850	1415	3	4	S	1	8	1	2	0	0
27/06/2025	7	JB	0850	1415	4	4	S	2	8	0	1	0	0
27/06/2025	7	JB	0850	1415	5	2	S	1	8	1	1	0	0
27/06/2025	7	JB	0850	1415	6	2	S	1	8	0	1	0	0
07/07/2025	8	LML	0900	1400	1	4	W	0	4	2	2	0	0
07/07/2025	8	TH	0900	1400	1	3	NW	0	5	2	2	0	0
07/07/2025	8	LML	0900	1400	2	4	NW	0	2	2	2	0	0
07/07/2025	8	TH	0900	1400	2	3	NW	0	5	2	2	0	0
07/07/2025	8	LML	0900	1400	3	3	SW	0	4	2	2	0	0
07/07/2025	8	TH	0900	1400	3	2	NW	0	4	2	2	0	0
07/07/2025	8	LML	0900	1400	4	4	SW	0	6	2	2	0	0
07/07/2025	8	TH	0900	1400	4	5	NW	0	5	2	2	0	0
07/07/2025	8	LML	0900	1400	5	5	SW	0	6	2	2	0	0
07/07/2025	8	TH	0900	1400	5	5	NW	0	6	2	2	0	0
08/07/2025	8	LML	0900	1415	1	2	W	0	2	2	2	0	0
08/07/2025	8	TH	0900	1400	1	3	W	0	2	2	2	0	0
08/07/2025	8	LML	0900	1415	2	3	W	0	2	2	2	0	0
08/07/2025	8	TH	0900	1400	2	3	W	0	2	2	2	0	0
08/07/2025	8	LML	0900	1415	3	3	W	0	3	2	2	0	0
08/07/2025	8	TH	0900	1400	3	4	W	0	3	2	2	0	0
08/07/2025	8	LML	0900	1415	4	3	W	0	4	2	2	0	0
08/07/2025	8	TH	0900	1400	4	4	W	0	3	2	2	0	0
08/07/2025	8	LML	0900	1415	5	3	WSW	0	4	2	2	0	0
08/07/2025	8	TH	0900	1400	5	4	W	0	3	2	2	0	0
08/07/2025	8	LML	0900	1415	6	3	WSW	0	4	2	2	0	0
09/07/2025	8	LML	0900	1400	1	4	WSW	2	8	1	0	0	0
09/07/2025	8	TH	0900	1400	1	4	W	2	8	0	0	0	0
09/07/2025	8	LML	0900	1400	2	3	WSW	0	7	2	2	0	0
09/07/2025	8	TH	0900	1400	2	4	W	2	8	1	1	0	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
09/07/2025	8	LML	0900	1400	3	3	W	0	8	2	2	0	0
09/07/2025	8	TH	0900	1400	3	3	W	0	6	2	2	0	0
09/07/2025	8	LML	0900	1400	4	4	W	0	8	2	2	0	0
09/07/2025	8	TH	0900	1400	4	3	W	0	6	2	2	0	0
09/07/2025	8	LML	0900	1400	5	3	NW	1	8	2	2	0	0
09/07/2025	8	TH	0900	1400	5	3	W	0	6	2	2	0	0
10/07/2025	8	TH	0930	1430	1	3	S	0	5	2	2	0	0
10/07/2025	8	TH	0930	1430	2	2	S	0	5	2	2	0	0
10/07/2025	8	TH	0930	1430	3	2	S	0	3	2	2	0	0
10/07/2025	8	TH	0930	1430	4	3	S	0	3	2	2	0	0
10/07/2025	8	TH	0930	1430	5	3	S	0	2	2	2	0	0
11/07/2025	8	TH	0930	1400	1	3	S	0	4	2	2	0	0
11/07/2025	8	TH	0930	1400	2	3	S	0	3	2	2	0	0
11/07/2025	8	TH	0930	1400	3	3	S	0	2	2	2	0	0
11/07/2025	8	TH	0930	1400	4	2	S	0	2	2	2	0	0
11/07/2025	8	TH	0930	1400	5	2	S	0	1	2	2	0	0

A.5 Winter Walkover Surveys

Table A-7 details survey dates and weather data recorded. Refer to Annex B for survey results.

Table A-7: Meteorological conditions during winter walkover surveys (sorted chronologically)

Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
27/11/2023	1	MW	0900	1400	1	5	NNW	0	7	2	2	0	0
27/11/2023	1	MW	0900	1400	2	5	NNW	0	7	2	2	0	0
27/11/2023	1	MW	0900	1400	3	6	NNW	0	8	2	2	0	0
27/11/2023	1	MW	0900	1400	4	6	NNW	0	8	2	2	0	0
27/11/2023	1	MW	0900	1400	5	6	NNW	0	8	2	2	0	0
28/11/2023	1	MW	0800	1300	1	3	NNW	0	6	2	2	1	1
28/11/2023	1	MW	0800	1300	2	3	NNW	2	6	2	2	1	1
28/11/2023	1	MW	0800	1300	3	4	NNW	0	7	2	2	1	1
28/11/2023	1	MW	0800	1300	4	4	NNW	0	6	2	2	1	1
28/11/2023	1	MW	0800	1300	5	4	NNW	0	5	2	2	1	1
29/11/2023	1	MW	0800	1300	1	2	NNW	0	2	2	2	1	1
29/11/2023	1	MW	0800	1300	2	3	NNW	0	2	2	2	1	1
29/11/2023	1	MW	0800	1300	3	3	NNW	0	2	2	2	1	1
29/11/2023	1	MW	0800	1300	4	4	NNW	0	4	2	2	1	1
29/11/2023	1	MW	0800	1300	5	4	NNW	0	5	2	2	1	1
12/01/2024	2	EB	0915	1515	1	2	NNW	1	8	0	0	1	0
12/01/2024	2	TH	0915	1515	1	2	N	1	8	0	0	1	0
12/01/2024	2	EB	0915	1515	2	2	NNW	1	8	0	0	1	0
12/01/2024	2	TH	0915	1515	2	2	N	1	8	0	0	1	0
12/01/2024	2	EB	0915	1515	3	2	NNW	1	8	0	0	1	0
12/01/2024	2	TH	0915	1515	3	2	N	1	8	0	0	1	0
12/01/2024	2	EB	0915	1515	4	2	NNW	1	8	0	1	1	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
12/01/2024	2	TH	0915	1515	4	2	N	0	8	1	1	1	0
12/01/2024	2	EB	0915	1515	5	2	NNW	0	8	0	2	1	0
12/01/2024	2	TH	0915	1515	5	2	N	0	8	1	2	1	0
12/01/2024	2	EB	0915	1515	6	2	NNW	0	8	1	2	1	0
12/01/2024	2	TH	0915	1515	6	2	N	0	8	1	2	1	0
29/01/2024	2	EB	0830	1330	1	3	NE	0	8	2	2	0	0
29/01/2024	2	EB	0830	1330	2	3	NE	0	8	2	2	0	0
29/01/2024	2	EB	0830	1330	3	4	NE	2	8	2	2	0	0
29/01/2024	2	EB	0830	1330	4	4	NE	1	8	2	2	0	0
29/01/2024	2	EB	0830	1330	5	4	NE	1	8	2	2	0	0
19/02/2024	3	MW	0800	1400	1	3	SW	0	8	2	2	0	0
19/02/2024	3	MW	0800	1400	2	3	SW	0	8	2	2	0	0
19/02/2024	3	MW	0800	1400	3	3	SW	0	8	2	2	0	0
19/02/2024	3	MW	0800	1400	4	3	SW	0	8	2	2	0	0
19/02/2024	3	MW	0800	1400	5	4	SW	0	8	2	2	0	0
19/02/2024	3	MW	0800	1400	6	4	SW	0	8	2	2	0	0
19/02/2024	3	LS	0930	1430	1	3	SW	0	5	2	2	0	0
19/02/2024	3	LS	0930	1430	2	4	SW	0	6	2	2	0	0
19/02/2024	3	LS	0930	1430	3	4	SW	0	7	2	2	0	0
19/02/2024	3	LS	0930	1430	4	4	SW	1	7	2	2	0	0
19/02/2024	3	LS	0930	1430	5	3	SW	0	7	2	2	0	0
20/02/2024	3	LS	0900	1400	1	5	E	1	8	1	2	0	0
20/02/2024	3	LS	0900	1400	2	5	E	1	8	2	2	0	0
20/02/2024	3	LS	0900	1400	3	5	E	1	8	2	2	0	0
20/02/2024	3	LS	0900	1400	4	5	E	2	8	1	2	0	0
20/02/2024	3	LS	0900	1400	5	5	E	2	8	1	2	0	0
21/11/2024	4	EB	0930	1430	1	4	NW	0	2	2	2	2	0
21/11/2024	4	LW	0930	1430	1	7	NW	0	6	1	2	2	0
21/11/2024	4	EB	0930	1430	2	4	NW	0	7	2	2	2	0
21/11/2024	4	LW	0930	1430	2	6	WNW	0	6	1	2	2	0
21/11/2024	4	EB	0930	1430	3	4	NW	0	7	2	2	2	0
21/11/2024	4	LW	0930	1430	3	6	WNW	0	4	1	2	2	0
21/11/2024	4	EB	0930	1430	4	4	NW	0	5	2	2	2	0
21/11/2024	4	LW	0930	1430	4	5	WNW	0	4	1	2	2	0
21/11/2024	4	EB	0930	1430	5	4	NW	0	6	2	2	2	0
21/11/2024	4	LW	0930	1430	5	5	WNW	0	3	1	2	2	0
22/11/2024	4	LW	0930	1430	1	2	W	1	8	1	1	2	2
22/11/2024	4	EB	0930	1430	1	4	NW	0	7	1	2	2	0
22/11/2024	4	LW	0930	1430	2	2	W	1	8	1	1	2	2
22/11/2024	4	EB	0930	1430	2	4	NW	0	8	0	1	2	0
22/11/2024	4	LW	0930	1430	3	2	W	0	5	1	1	2	2
22/11/2024	4	EB	0930	1430	3	4	NW	0	8	0	1	2	0
22/11/2024	4	LW	0930	1430	4	3	W	0	6	1	1	2	2
22/11/2024	4	EB	0930	1430	4	4	NW	0	7	1	2	2	0



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
22/11/2024	4	LW	0930	1430	5	3	W	0	6	2	2	2	2
22/11/2024	4	EB	0930	1430	5	3	W	0	6	2	2	2	0
22/01/2025	5	JB	0900	1400	1	0	-	0	2	2	2	2	0
22/01/2025	5	LS	0900	1400	1	1	SW	0	1	2	2	1	0
22/01/2025	5	LW	0900	1400	1	0	-	0	1	2	2	2	0
22/01/2025	5	JB	0900	1400	2	0	-	0	2	2	2	2	0
22/01/2025	5	LS	0900	1400	2	1	SW	0	1	2	2	1	0
22/01/2025	5	LW	0900	1400	2	0	-	0	3	2	2	2	0
22/01/2025	5	JB	0900	1400	3	0	-	0	2	2	2	2	0
22/01/2025	5	LS	0900	1400	3	1	SW	0	1	2	2	1	0
22/01/2025	5	LW	0900	1400	3	1	NW	0	3	2	2	2	0
22/01/2025	5	JB	0900	1400	4	0	-	0	3	2	2	2	0
22/01/2025	5	LS	0900	1400	4	1	SW	0	1	2	2	1	0
22/01/2025	5	LW	0900	1400	4	1	NW	0	4	2	2	2	0
22/01/2025	5	JB	0900	1400	5	0	-	0	4	2	2	2	0
22/01/2025	5	LS	0900	1400	5	1	SW	0	1	2	2	1	0
22/01/2025	5	LW	0900	1400	5	1	NW	0	3	2	2	2	0
23/01/2025	5	LS	0910	1410	1	4	SSE	0	8	2	2	0	0
23/01/2025	5	LS	0910	1410	2	4	SSE	2	8	1	2	0	0
23/01/2025	5	LS	0910	1410	3	4	SSE	2	8	1	2	0	0
23/01/2025	5	LS	0910	1410	4	4	SSE	2	8	1	2	0	0
23/01/2025	5	LS	0910	1410	5	5	SSE	3	8	1	1	0	0
11/02/2025	6	MW	0800	1300	1	4	ENE	0	8	2	1	1	1
11/02/2025	6	MW	0800	1300	2	4	ENE	3	8	2	2	1	1
11/02/2025	6	MW	0800	1300	3	5	ENE	0	8	2	2	1	1
11/02/2025	6	MW	0800	1300	4	5	ENE	3	8	2	2	1	1
11/02/2025	6	MW	0800	1300	5	5	ENE	0	8	2	2	1	1
12/02/2025	6	MW	0800	1300	1	4	E	0	8	2	2	1	1
12/02/2025	6	MW	0800	1300	2	4	E	0	8	2	2	1	1
12/02/2025	6	MW	0800	1300	3	4	E	2	8	2	2	0	1
12/02/2025	6	MW	0800	1300	4	5	E	0	8	2	2	0	1
12/02/2025	6	MW	0800	1300	5	5	E	0	8	2	2	0	1
13/02/2025	6	MW	0930	1400	1	3	ENE	0	8	2	2	1	1
13/02/2025	6	MW	0930	1400	2	3	ENE	0	8	2	2	1	1
13/02/2025	6	MW	0930	1400	3	3	ENE	0	8	2	2	1	1
13/02/2025	6	MW	0930	1400	4	3	ENE	0	8	2	2	1	1
13/02/2025	6	MW	0930	1400	5	3	ENE	0	8	2	2	1	1
14/02/2025	6	MW	0730	1230	1	4	E	0	7	2	2	1	1
14/02/2025	6	MW	0730	1230	2	5	E	0	7	2	2	1	1
14/02/2025	6	MW	0730	1230	3	6	E	0	8	2	2	1	1
14/02/2025	6	MW	0730	1230	4	6	E	0	7	2	2	1	1
14/02/2025	6	MW	0730	1230	5	7	E	0	7	2	2	1	1





Ravengill Energy Park

Ornithological Survey Results

Technical Appendix 7.1 Annex B

SLR Project No.: 413.V00459.00XM2

Ravengill Energy Park Ltd.

13 April 2026

Revision: 1

Annex B Ornithological Survey Results

B.1 Flight Activity Records: Target Species

All flights of target species (refer to **Section 2 of Technical Appendix 7.1, Volume 4 of EIAR**, which defines target species) within the flight activity survey area were mapped and are detailed in **Table B-1**.

Table B-1: Details of target species recorded during flight activity surveys (sorted chronologically)

Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
13/09/2023	1	TH	0954	Red kite	1	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	60.00	0.00	0.00	0.00
13/09/2023	8	MW	0833	Red kite	1	90	45.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13/09/2023	8	MW	0914	Red kite	3	105	53.92	0.00	0.00	0.00	0.00	0.00	51.08	0.00	0.00	0.00	0.00	0.00
13/09/2023	8	MW	1000	Red kite	2	65	26.80	22.97	0.00	0.00	0.00	0.00	8.20	7.03	0.00	0.00	0.00	0.00
13/09/2023	8	MW	1142	Red kite	4	75	36.64	0.00	0.00	0.00	0.00	0.00	38.36	0.00	0.00	0.00	0.00	0.00
14/09/2023	7	MW	0950	Red kite	4	90	30.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14/09/2023	7	MW	1216	Red kite	3	105	47.60	35.70	0.00	0.00	0.00	0.00	12.40	9.30	0.00	0.00	0.00	0.00
14/09/2023	7	MW	1406	Red kite	2	78	0.00	73.07	0.00	0.00	0.00	0.00	0.00	4.93	0.00	0.00	0.00	0.00
28/09/2023	2	EB	0933	Red kite	1	62	0.00	0.00	15.97	0.00	0.00	0.00	0.00	0.00	46.03	0.00	0.00	0.00
28/09/2023	2	EB	1122	Red kite	1	70	3.28	8.75	3.28	0.00	0.00	0.00	11.72	31.25	11.72	0.00	0.00	0.00
28/09/2023	3	TH	0932	Red kite	1	25	0.00	0.00	11.02	0.00	0.00	0.00	0.00	0.00	13.98	0.00	0.00	0.00
28/09/2023	3	TH	1121	Red kite	1	40	0.00	0.00	24.24	14.54	0.00	0.00	0.00	0.00	0.76	0.46	0.00	0.00
28/09/2023	5	JB	1029	Red kite	1	73	0.00	0.00	0.00	68.78	0.00	0.00	0.00	0.00	0.00	4.22	0.00	0.00
29/09/2023	9	EB	1311	Red kite	1	70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	30.00	0.00	0.00	0.00
29/09/2023	10	TH	1229	Red kite	1	160	0.00	0.00	36.42	25.71	6.43	0.00	0.00	0.00	48.58	34.29	8.57	0.00
12/10/2023	9	JB	1418	Red kite	1	189	63.77	12.03	0.00	0.00	0.00	0.00	95.23	17.97	0.00	0.00	0.00	0.00
12/10/2023	10	EB	0958	Red kite	1	45	0.00	0.00	0.00	0.00	0.00	0.00	30.00	15.00	0.00	0.00	0.00	0.00
12/10/2023	10	EB	1020	Red kite	1	150	15.66	39.14	23.48	0.00	0.00	0.00	14.34	35.86	21.52	0.00	0.00	0.00
12/10/2023	10	EB	1040	Red kite	1	65	2.55	15.30	15.30	0.00	0.00	0.00	2.45	14.70	14.70	0.00	0.00	0.00
12/10/2023	10	EB	1139	Red kite	1	72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.00	45.00	0.00	0.00	0.00
12/10/2023	10	EB	1209	Red kite	1	60	0.00	0.00	0.00	0.00	0.00	0.00	45.00	15.00	0.00	0.00	0.00	0.00
12/10/2023	10	EB	1321	Red kite	1	25	0.00	4.84	0.00	0.00	0.00	0.00	0.00	20.16	0.00	0.00	0.00	0.00
12/10/2023	10	EB	1325	Red kite	1	80	0.00	29.99	38.55	0.00	0.00	0.00	0.00	5.01	6.45	0.00	0.00	0.00
12/10/2023	10	EB	1333	Red kite	1	35	0.00	14.37	0.00	0.00	0.00	0.00	0.00	20.63	0.00	0.00	0.00	0.00
12/10/2023	10	EB	1408	Red kite	1	95	0.00	31.48	28.33	0.00	0.00	0.00	0.00	18.52	16.67	0.00	0.00	0.00
17/10/2023	7	TH	1346	Red kite	1	85	0.00	23.96	43.13	14.38	0.00	0.00	0.00	1.04	1.87	0.62	0.00	0.00
17/10/2023	7	TH	1430	Red kite	1	30	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17/10/2023	8	EB	1215	Red kite	1	95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	45.00	0.00	0.00	0.00

¹ Collision Risk Analysis Area



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
17/10/2023	8	EB	1343	Red kite	1	190	6.23	24.91	41.52	6.23	0.00	0.00	8.77	35.09	58.48	8.77	0.00	0.00
17/10/2023	8	EB	1410	Red kite	1	45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	0.00	0.00	0.00	0.00
27/10/2023	1	MW	0840	Goshawk	1	30	0.00	0.00	0.00	0.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00
27/10/2023	1	MW	1150	Golden plover	40	45	0.00	40.68	0.00	0.00	0.00	0.00	0.00	4.32	0.00	0.00	0.00	0.00
30/10/2023	9	MW	1016	Red kite	1	100	44.41	19.03	0.00	0.00	0.00	0.00	25.59	10.97	0.00	0.00	0.00	0.00
30/10/2023	9	MW	1227	Pink-footed goose	8	45	0.00	0.00	11.99	0.00	0.00	0.00	0.00	0.00	33.01	0.00	0.00	0.00
31/10/2023	10	MW	1130	Red kite	2	90	84.69	0.00	0.00	0.00	0.00	0.00	5.31	0.00	0.00	0.00	0.00	0.00
07/11/2023	1	JB	0956	Red kite	1	59	13.46	13.46	26.03	0.00	0.00	0.00	1.54	1.54	2.97	0.00	0.00	0.00
07/11/2023	1	JB	1254	Red kite	1	47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.00	0.00	0.00
07/11/2023	1	JB	1306	Red kite	2	77	27.84	13.92	13.92	15.78	0.00	0.00	2.16	1.08	1.08	1.22	0.00	0.00
07/11/2023	2	TH	1114	Red kite	1	45	13.25	26.51	0.00	0.00	0.00	0.00	1.75	3.49	0.00	0.00	0.00	0.00
07/11/2023	2	TH	1142	Red kite	1	90	27.70	55.40	0.00	0.00	0.00	0.00	2.30	4.60	0.00	0.00	0.00	0.00
07/11/2023	3	EB	1115	Red kite	1	72	0.00	3.90	5.45	0.00	0.00	0.00	0.00	26.10	36.55	0.00	0.00	0.00
07/11/2023	3	EB	1116	Red kite	1	65	17.85	20.83	0.00	0.00	0.00	0.00	12.15	14.17	0.00	0.00	0.00	0.00
07/11/2023	3	EB	1143	Red kite	1	70	0.00	2.14	0.00	0.00	0.00	0.00	0.00	67.86	0.00	0.00	0.00	0.00
07/11/2023	3	EB	1206	Red kite	2	55	0.00	16.02	6.01	0.00	0.00	0.00	0.00	23.98	8.99	0.00	0.00	0.00
08/11/2023	7	EB	1208	Red kite	1	65	19.05	42.86	0.00	0.00	0.00	0.00	0.95	2.14	0.00	0.00	0.00	0.00
08/11/2023	10	JB	1135	Red kite	1	79	0.00	2.61	1.97	0.00	0.00	0.00	0.00	42.39	32.03	0.00	0.00	0.00
08/11/2023	10	JB	1208	Red kite	1	17	0.00	0.00	1.63	0.00	0.00	0.00	0.00	0.00	15.37	0.00	0.00	0.00
08/11/2023	10	JB	1213	Red kite	1	9	0.00	0.00	5.69	0.00	0.00	0.00	0.00	0.00	3.31	0.00	0.00	0.00
09/11/2023	4	JB	1030	Red kite	2	111	0.00	2.89	4.34	3.47	0.00	0.00	0.00	27.11	40.66	32.53	0.00	0.00
09/11/2023	4	JB	1226	Red kite	1	9	0.00	4.75	0.00	0.00	0.00	0.00	0.00	4.25	0.00	0.00	0.00	0.00
09/11/2023	4	JB	1338	Red kite	1	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00
09/11/2023	5	EB	0950	Red kite	1	285	23.26	34.90	52.35	0.00	0.00	0.00	36.74	55.10	82.65	0.00	0.00	0.00
09/11/2023	5	EB	0951	Red kite	1	45	0.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05/12/2023	4	EB	1145	Hen harrier	1	75	0.00	0.00	0.00	0.00	0.00	0.00	75.00	0.00	0.00	0.00	0.00	0.00
05/12/2023	4	EB	1411	Red kite	2	85	8.39	39.18	0.00	0.00	0.00	0.00	6.61	30.82	0.00	0.00	0.00	0.00
05/12/2023	5	TH	1136	Red kite	2	50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	35.00	0.00	0.00	0.00
05/12/2023	5	TH	1252	Red kite	1	45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	0.00	0.00	0.00	0.00
05/12/2023	9	JB	1231	Red kite	1	36	0.00	0.00	0.00	0.00	0.00	0.00	15.00	21.00	0.00	0.00	0.00	0.00
05/12/2023	9	JB	1232	Hen harrier	1	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.00	0.00	0.00	0.00	0.00
06/12/2023	7	EB	1026	Red kite	1	80	0.00	19.64	58.91	0.00	0.00	0.00	0.00	0.36	1.09	0.00	0.00	0.00
06/12/2023	7	EB	1221	Red kite	1	115	0.00	40.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06/12/2023	7	EB	1411	Pink-footed goose	40	270	0.00	0.00	0.00	4.26	5.68	15.61	0.00	0.00	0.00	40.74	54.32	149.39
06/12/2023	7	EB	1412	Pink-footed goose	55	270	0.00	0.00	0.00	4.69	18.77	18.77	0.00	0.00	0.00	25.31	101.23	101.23
06/12/2023	8	JB	1316	Red kite	1	23	8.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
06/12/2023	10	TH	1124	Red kite	2	75	15.00	45.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09/01/2024	1	EB	1405	Red kite	1	345	214.86	20.46	0.00	0.00	0.00	0.00	100.14	9.54	0.00	0.00	0.00	0.00
09/01/2024	1	EB	1421	Red kite	1	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	30.00	0.00	0.00	0.00
09/01/2024	1	EB	1438	Red kite	1	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00	45.00	45.00	0.00
26/01/2024	5	JB	1025	Pink-footed goose	36	138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	30.00	78.00	0.00
08/02/2024	9	JRM	0920	Pink-footed goose	35	100	0.00	0.00	0.00	0.00	31.81	10.60	0.00	0.00	0.00	0.00	43.19	14.40
13/02/2024	7	EB	0931	Red kite	1	22	0.00	19.33	0.00	0.00	0.00	0.00	0.00	2.67	0.00	0.00	0.00	0.00
13/02/2024	7	EB	1007	Red kite	1	45	0.00	30.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13/02/2024	7	EB	1037	Red kite	1	98	0.00	53.50	33.89	0.00	0.00	0.00	0.00	6.50	4.11	0.00	0.00	0.00
13/02/2024	7	EB	1046	Red kite	1	48	33.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13/02/2024	7	EB	1121	Red kite	1	125	65.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13/02/2024	7	EB	1124	Red kite	1	65	0.00	65.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13/02/2024	7	EB	1136	Red kite	1	15	0.00	9.38	0.00	0.00	0.00	0.00	0.00	5.63	0.00	0.00	0.00	0.00
13/02/2024	7	EB	1151	Red kite	2	188	0.00	140.57	44.23	0.00	0.00	0.00	0.00	2.43	0.77	0.00	0.00	0.00
13/02/2024	7	EB	1224	Red kite	1	40	10.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13/02/2024	7	EB	1258	Red kite	1	66	37.87	11.14	0.00	0.00	0.00	0.00	13.13	3.86	0.00	0.00	0.00	0.00
13/02/2024	7	EB	1312	Red kite	1	102	0.00	15.00	42.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13/02/2024	8	LS	1345	Red kite	2	57	0.00	51.53	0.00	0.00	0.00	0.00	0.00	5.47	0.00	0.00	0.00	0.00
16/02/2024	2	LS	1037	Red kite	1	63	0.00	42.65	0.00	0.00	0.00	0.00	0.00	20.35	0.00	0.00	0.00	0.00
16/02/2024	2	LS	1114	Red kite	1	198	0.00	0.00	0.00	0.00	0.00	0.00	45.00	153.00	0.00	0.00	0.00	0.00
16/02/2024	3	JB	0954	Red kite	1	39	5.40	0.00	0.00	0.00	0.00	0.00	33.60	0.00	0.00	0.00	0.00	0.00
16/02/2024	3	JB	1024	Red kite	1	480	0.00	0.00	12.30	24.60	41.83	0.00	0.00	0.00	62.70	125.40	213.17	0.00
23/02/2024	10	MW	0814	Peregrine falcon	1	65	0.00	0.00	0.00	0.00	0.00	0.00	35.00	30.00	0.00	0.00	0.00	0.00
23/02/2024	10	MW	0850	Peregrine falcon	1	70	0.00	0.00	0.00	0.00	0.00	0.00	40.00	30.00	0.00	0.00	0.00	0.00
28/02/2024	4	EB	1410	Red kite	1	80	8.57	11.02	0.00	0.00	0.00	0.00	26.43	33.98	0.00	0.00	0.00	0.00
28/02/2024	4	EB	1414	Red kite	1	68	0.00	0.00	0.00	0.00	0.00	0.00	68.00	0.00	0.00	0.00	0.00	0.00
29/02/2024	5	LS	1057	Red kite	1	253	0.00	183.19	24.64	0.00	0.00	0.00	0.00	39.81	5.36	0.00	0.00	0.00
29/02/2024	5	LS	1256	Red kite	1	41	0.00	0.00	0.00	0.00	0.00	0.00	41.00	0.00	0.00	0.00	0.00	0.00
01/03/2024	7	LS	0947	Red kite	1	47	0.00	46.83	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00
01/03/2024	7	LS	0948	Golden eagle	1	123	56.95	54.24	0.00	0.00	0.00	0.00	6.05	5.76	0.00	0.00	0.00	0.00
01/03/2024	7	LS	0951	Golden eagle	1	335	71.08	57.63	0.00	0.00	0.00	0.00	113.92	92.37	0.00	0.00	0.00	0.00
01/03/2024	7	LS	1113	Red kite	1	58	58.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/03/2024	7	LS	1133	Golden eagle	1	600	87.75	165.76	68.25	29.25	39.00	0.00	47.25	89.24	36.75	15.75	21.00	0.00
01/03/2024	7	LS	1133	Golden eagle	1	600	73.68	139.17	57.31	24.56	32.75	0.00	61.32	115.83	47.69	20.44	27.25	0.00
01/03/2024	7	LS	1308	Red kite	1	60	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/03/2024	8	EB	1033	Golden plover	1	12	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
01/03/2024	8	EB	1118	Red kite	1	145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	75.00	30.00	0.00
01/03/2024	8	EB	1139	Red kite	1	58	0.00	43.74	0.00	0.00	0.00	0.00	0.00	14.26	0.00	0.00	0.00	0.00
01/03/2024	8	EB	1143	Golden eagle	2	245	1.96	7.34	5.87	4.40	1.47	2.94	18.04	67.66	54.13	40.60	13.53	27.06
01/03/2024	8	EB	1149	Golden eagle	1	535	0.00	0.00	0.00	0.00	0.00	0.00	85.00	45.00	45.00	75.00	120.00	165.00
01/03/2024	8	EB	1308	Red kite	1	65	50.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05/03/2024	3	LS	1307	Golden eagle	1	142	47.10	52.72	0.00	0.00	0.00	0.00	19.90	22.28	0.00	0.00	0.00	0.00
05/03/2024	5	JM	1201	Golden plover	2	9	0.00	0.00	0.00	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	0.00
06/03/2024	4	JM	1211	Golden eagle	2	83	0.00	0.00	0.29	0.17	0.00	0.00	0.00	0.00	52.71	29.83	0.00	0.00
06/03/2024	4	JM	1246	Golden eagle	1	54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	45.00	0.00	0.00	0.00
06/03/2024	4	JM	1305	Golden eagle	1	25	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00
06/03/2024	4	JM	1411	Red kite	1	30	26.76	0.00	0.00	0.00	0.00	0.00	3.24	0.00	0.00	0.00	0.00	0.00
06/03/2024	9	LS	0931	Red kite	1	53	18.51	24.14	0.00	0.00	0.00	0.00	4.49	5.86	0.00	0.00	0.00	0.00
06/03/2024	9	LS	1244	Golden plover	3	19	13.37	0.00	0.00	0.00	0.00	0.00	5.63	0.00	0.00	0.00	0.00	0.00
07/03/2024	1	JM	1007	Pink-footed goose	41	72	0.00	0.00	0.00	0.00	10.47	14.65	0.00	0.00	0.00	0.00	19.53	27.35
07/03/2024	9	EB	1049	Golden plover	2	25	18.72	0.00	0.00	0.00	0.00	0.00	6.28	0.00	0.00	0.00	0.00	0.00
07/03/2024	9	EB	1112	Golden plover	1	18	9.20	0.00	0.00	0.00	0.00	0.00	8.80	0.00	0.00	0.00	0.00	0.00
07/03/2024	9	EB	1324	Red kite	1	75	0.00	0.00	0.00	0.00	0.00	0.00	30.00	45.00	0.00	0.00	0.00	0.00
07/03/2024	10	LS	1024	Lapwing	4	19	0.00	0.00	0.00	0.00	0.00	0.00	19.00	0.00	0.00	0.00	0.00	0.00
07/03/2024	10	LS	1037	Curlew	1	23	0.00	0.00	0.00	0.00	0.00	0.00	23.00	0.00	0.00	0.00	0.00	0.00
08/03/2024	5	LS	1109	Hen harrier	1	57	0.00	0.00	0.00	0.00	0.00	0.00	57.00	0.00	0.00	0.00	0.00	0.00
08/03/2024	5	LS	1145	Hen harrier	1	23	0.00	0.00	0.00	0.00	0.00	0.00	23.00	0.00	0.00	0.00	0.00	0.00
19/03/2024	4	LS	1044	Red kite	1	154	49.09	76.91	0.00	0.00	0.00	0.00	10.91	17.09	0.00	0.00	0.00	0.00
22/03/2024	7	ENS	0950	Red kite	1	57	0.00	0.00	11.53	43.22	0.00	0.00	0.00	0.00	0.47	1.78	0.00	0.00
01/04/2024	2	JB	1257	Red kite	1	11	0.00	7.93	0.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00
01/04/2024	3	LS	0953	Red kite	1	64	0.35	1.13	0.00	0.00	0.00	0.00	14.65	47.87	0.00	0.00	0.00	0.00
01/04/2024	3	LS	1017	Red kite	1	47	8.98	15.85	0.00	0.00	0.00	0.00	8.02	14.15	0.00	0.00	0.00	0.00
02/04/2024	10	LS	1001	Short-eared owl	1	73	0.00	0.00	0.00	0.00	0.00	0.00	58.00	15.00	0.00	0.00	0.00	0.00
02/04/2024	10	LS	1011	Lapwing	2	51	0.00	0.00	0.00	0.00	0.00	0.00	6.00	45.00	0.00	0.00	0.00	0.00
02/04/2024	10	LS	1033	Curlew	2	54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54.00	0.00	0.00	0.00	0.00
02/04/2024	10	LS	1051	Curlew	1	29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.00	0.00	0.00	0.00	0.00
02/04/2024	10	LS	1130	Curlew	1	85	0.00	34.81	18.98	0.00	0.00	0.00	0.00	20.19	11.02	0.00	0.00	0.00
02/04/2024	10	LS	1249	Red kite	1	55	4.00	11.99	5.99	0.00	0.00	0.00	6.00	18.01	9.01	0.00	0.00	0.00
02/04/2024	10	LS	1425	Red kite	1	68	0.00	20.32	5.75	0.00	0.00	0.00	0.00	32.68	9.25	0.00	0.00	0.00
04/04/2024	1	EB	0913	Red kite	1	62	0.00	0.00	0.00	0.00	0.00	0.00	17.00	45.00	0.00	0.00	0.00	0.00
04/04/2024	1	EB	1104	Red kite	1	195	63.24	42.16	31.62	0.00	0.00	0.00	26.76	17.84	13.38	0.00	0.00	0.00
04/04/2024	2	LS	0913	Golden plover	50	170	0.00	0.00	25.73	28.95	0.00	0.00	0.00	0.00	54.27	61.05	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
12/04/2024	7	JB	0830	Curlew	1	12	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/04/2024	7	JB	0857	Curlew	1	8	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/04/2024	7	JB	1003	Hen harrier	1	9	8.54	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00
12/04/2024	7	JB	1023	Greylag goose	2	18	0.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/04/2024	7	JB	1058	Red kite	2	48	2.44	36.64	0.00	0.00	0.00	0.00	0.56	8.36	0.00	0.00	0.00	0.00
12/04/2024	8	EB	0818	Red kite	1	72	0.00	10.14	2.67	0.00	0.00	0.00	0.00	46.86	12.33	0.00	0.00	0.00
12/04/2024	8	EB	0949	Lapwing	1	20	0.00	18.15	0.00	0.00	0.00	0.00	0.00	1.85	0.00	0.00	0.00	0.00
12/04/2024	8	EB	1026	Curlew	1	125	0.00	22.74	24.64	0.00	0.00	0.00	0.00	37.26	40.36	0.00	0.00	0.00
12/04/2024	10	LS	0821	Red kite	1	53	0.00	0.00	0.00	0.00	0.00	0.00	15.00	38.00	0.00	0.00	0.00	0.00
12/04/2024	10	LS	0825	Curlew	2	47	0.24	0.11	0.00	0.00	0.00	0.00	31.76	14.89	0.00	0.00	0.00	0.00
12/04/2024	10	LS	0837	Curlew	1	73	0.00	0.00	0.00	0.00	0.00	0.00	15.00	15.00	43.00	0.00	0.00	0.00
12/04/2024	10	LS	0853	Red kite	1	31	0.00	0.00	0.00	0.00	0.00	0.00	31.00	0.00	0.00	0.00	0.00	0.00
12/04/2024	10	LS	0915	Red kite	1	58	0.81	0.00	0.00	0.00	0.00	0.00	57.19	0.00	0.00	0.00	0.00	0.00
12/04/2024	10	LS	0946	Lapwing	1	71	0.00	9.83	53.64	0.00	0.00	0.00	0.00	1.17	6.36	0.00	0.00	0.00
12/04/2024	10	LS	1015	Red kite	1	94	0.00	0.00	0.00	0.00	0.00	0.00	49.00	45.00	0.00	0.00	0.00	0.00
12/04/2024	10	LS	1015	Red kite	1	65	0.00	0.00	0.00	0.00	0.00	0.00	20.00	45.00	0.00	0.00	0.00	0.00
12/04/2024	10	LS	1031	Lapwing	2	45	0.00	0.00	0.00	0.00	0.00	0.00	15.00	30.00	0.00	0.00	0.00	0.00
12/04/2024	10	LS	1037	Red kite	2	78	0.00	0.00	0.00	0.00	0.00	0.00	60.00	18.00	0.00	0.00	0.00	0.00
12/04/2024	10	LS	1102	Golden plover	50	124	0.00	0.68	20.34	0.00	0.00	0.00	0.00	3.32	99.66	0.00	0.00	0.00
01/05/2024	1	EB	0944	Red kite	2	95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.00	0.00	0.00	0.00	0.00
01/05/2024	1	EB	1226	Red kite	2	162	24.77	61.94	47.07	0.00	0.00	0.00	5.23	13.06	9.93	0.00	0.00	0.00
01/05/2024	3	LS	1035	Red kite	1	167	31.68	3.13	0.00	0.00	0.00	0.00	120.32	11.87	0.00	0.00	0.00	0.00
01/05/2024	3	LS	1047	Red kite	1	109	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.00	45.00	0.00	0.00	0.00
01/05/2024	3	LS	1205	Red kite	1	155	0.00	46.37	4.97	0.00	0.00	0.00	0.00	93.63	10.03	0.00	0.00	0.00
01/05/2024	3	LS	1255	Red kite	1	47	0.00	11.44	24.40	0.00	0.00	0.00	0.00	3.56	7.60	0.00	0.00	0.00
01/05/2024	3	LS	1259	Red kite	1	192	150.00	42.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/05/2024	3	LS	1315	Red kite	1	259	132.38	82.96	13.24	0.00	0.00	0.00	17.62	11.04	1.76	0.00	0.00	0.00
01/05/2024	3	LS	1316	Curlew	1	54	39.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01/05/2024	3	LS	1330	Red kite	1	160	0.00	13.43	26.85	20.14	11.19	0.00	0.00	16.57	33.15	24.86	13.81	0.00
01/05/2024	3	LS	1410	Hen harrier	1	173	60.45	12.68	0.00	0.00	0.00	0.00	82.55	17.32	0.00	0.00	0.00	0.00
02/05/2024	10	LS	0941	Curlew	1	45	0.00	0.00	0.00	0.00	0.00	0.00	30.00	15.00	0.00	0.00	0.00	0.00
02/05/2024	10	LS	0949	Curlew	1	64	6.48	15.35	0.00	0.00	0.00	0.00	12.52	29.65	0.00	0.00	0.00	0.00
02/05/2024	10	LS	0950	Lapwing	2	49	0.00	0.00	0.00	0.00	0.00	0.00	49.00	0.00	0.00	0.00	0.00	0.00
02/05/2024	10	LS	1000	Red kite	1	197	46.08	100.33	0.00	0.00	0.00	0.00	15.92	34.67	0.00	0.00	0.00	0.00
02/05/2024	10	LS	1000	Red kite	1	185	38.79	43.64	7.27	0.00	0.00	0.00	41.21	46.36	7.73	0.00	0.00	0.00
02/05/2024	10	LS	1005	Red kite	1	384	29.71	22.39	0.00	0.00	0.00	0.00	189.29	142.61	0.00	0.00	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
02/05/2024	10	LS	1024	Lapwing	1	39	0.00	0.00	0.00	0.00	0.00	0.00	24.00	15.00	0.00	0.00	0.00	0.00
02/05/2024	10	LS	1051	Curlew	1	54	0.00	0.00	0.00	0.00	0.00	0.00	9.00	45.00	0.00	0.00	0.00	0.00
02/05/2024	10	LS	1150	Golden plover	200	128	0.00	0.00	11.78	53.80	0.00	0.00	0.00	0.00	11.22	51.20	0.00	0.00
02/05/2024	10	LS	1215	Curlew	1	73	15.00	15.00	43.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/05/2024	10	LS	1256	Red kite	1	111	0.00	31.83	37.45	0.00	0.00	0.00	0.00	19.17	22.55	0.00	0.00	0.00
02/05/2024	10	LS	1259	Red kite	1	62	17.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/05/2024	10	LS	1321	Red kite	1	80	0.00	0.00	0.00	0.00	0.00	0.00	65.00	15.00	0.00	0.00	0.00	0.00
02/05/2024	10	LS	1321	Lapwing	1	48	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00	0.00	0.00	0.00	0.00
03/05/2024	4	LS	0817	Curlew	1	50	20.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/05/2024	4	LS	0842	Curlew	3	57	27.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/05/2024	4	LS	0854	Curlew	2	72	0.00	0.00	0.00	0.00	0.00	0.00	27.00	45.00	0.00	0.00	0.00	0.00
03/05/2024	4	LS	0912	Curlew	1	68	27.43	21.65	0.00	0.00	0.00	0.00	10.57	8.35	0.00	0.00	0.00	0.00
03/05/2024	4	LS	1024	Curlew	1	53	6.71	37.74	0.00	0.00	0.00	0.00	1.29	7.26	0.00	0.00	0.00	0.00
10/05/2024	5	JR	0804	Curlew	1	12	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/05/2024	5	JR	0905	Herring gull	2	152	0.00	7.19	5.22	5.22	0.00	0.00	0.00	54.81	39.78	39.78	0.00	0.00
10/05/2024	5	JR	0915	Hen harrier	1	233	0.00	0.00	0.00	0.00	0.00	0.00	143.00	90.00	0.00	0.00	0.00	0.00
10/05/2024	5	JR	0929	Red kite	1	97	6.66	57.09	28.55	0.00	0.00	0.00	0.34	2.91	1.45	0.00	0.00	0.00
10/05/2024	5	JR	0941	Red kite	1	105	0.00	0.00	66.10	0.00	0.00	0.00	0.00	0.00	38.90	0.00	0.00	0.00
10/05/2024	5	JR	0944	Red kite	2	46	0.00	0.00	0.00	0.00	0.00	0.00	1.00	30.00	15.00	0.00	0.00	0.00
10/05/2024	5	JR	0955	Curlew	1	80	0.00	0.00	0.00	0.00	0.00	0.00	30.00	50.00	0.00	0.00	0.00	0.00
10/05/2024	5	JR	1011	Red kite	1	180	52.12	52.12	52.12	0.00	0.00	0.00	7.88	7.88	7.88	0.00	0.00	0.00
10/05/2024	7	EB	0719	Golden plover	1	10	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/05/2024	7	EB	0840	Red kite	1	215	35.00	60.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/05/2024	7	EB	0901	Curlew	1	25	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/05/2024	7	EB	0907	Red kite	1	95	91.07	0.00	0.00	0.00	0.00	0.00	3.93	0.00	0.00	0.00	0.00	0.00
10/05/2024	10	LS	0719	Red kite	1	240	12.63	164.20	25.26	0.00	0.00	0.00	2.37	30.80	4.74	0.00	0.00	0.00
10/05/2024	10	LS	0723	Curlew	1	35	0.00	0.00	0.00	0.00	0.00	0.00	20.00	15.00	0.00	0.00	0.00	0.00
10/05/2024	10	LS	0737	Red kite	2	47	0.00	0.00	0.00	0.00	0.00	0.00	32.00	15.00	0.00	0.00	0.00	0.00
10/05/2024	10	LS	0823	Red kite	1	53	0.00	41.62	0.00	0.00	0.00	0.00	0.00	11.38	0.00	0.00	0.00	0.00
10/05/2024	10	LS	0846	Lapwing	1	45	0.00	0.00	0.00	0.00	0.00	0.00	45.00	0.00	0.00	0.00	0.00	0.00
10/05/2024	10	LS	0927	Red kite	2	84	0.00	39.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/05/2024	10	LS	0958	Curlew	1	74	0.00	0.00	0.00	0.00	0.00	0.00	45.00	29.00	0.00	0.00	0.00	0.00
10/05/2024	10	LS	0958	Red kite	1	92	0.00	0.00	0.00	0.00	0.00	0.00	47.00	45.00	0.00	0.00	0.00	0.00
06/06/2024	9	IH	0939	Red kite	2	55	0.00	0.00	0.00	0.00	0.00	0.00	10.00	30.00	15.00	0.00	0.00	0.00
06/06/2024	9	IH	0941	Red kite	1	27	0.00	5.56	6.95	0.00	0.00	0.00	0.00	6.44	8.05	0.00	0.00	0.00
06/06/2024	9	IH	0948	Red kite	2	46	0.00	21.29	0.00	0.00	0.00	0.00	0.00	24.71	0.00	0.00	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
06/06/2024	9	IH	1018	Red kite	1	315	14.67	73.36	14.67	0.00	0.00	0.00	30.33	151.64	30.33	0.00	0.00	0.00
06/06/2024	9	IH	1113	Red kite	1	33	0.00	7.08	0.00	0.00	0.00	0.00	0.00	25.92	0.00	0.00	0.00	0.00
06/06/2024	9	IH	1254	Red kite	1	36	1.29	6.43	0.00	0.00	0.00	0.00	4.71	23.57	0.00	0.00	0.00	0.00
06/06/2024	9	IH	1356	Red kite	1	72	11.17	42.45	0.00	0.00	0.00	0.00	3.83	14.55	0.00	0.00	0.00	0.00
06/06/2024	9	IH	1409	Red kite	1	48	0.00	44.50	0.00	0.00	0.00	0.00	0.00	3.50	0.00	0.00	0.00	0.00
06/06/2024	9	IH	1451	Red kite	1	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.00	0.00	0.00	0.00	0.00
07/06/2024	7	LS	0903	Hen harrier	1	150	105.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/06/2024	7	LS	0911	Curlew	1	42	4.07	10.17	0.00	0.00	0.00	0.00	7.93	19.83	0.00	0.00	0.00	0.00
07/06/2024	7	LS	1117	Hen harrier	1	197	152.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/06/2024	7	LS	1321	Hen harrier	1	105	105.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/06/2024	8	IH	0937	Greylag goose	11	35	0.00	0.00	13.89	0.00	0.00	0.00	0.00	0.00	21.11	0.00	0.00	0.00
26/06/2024	2	IH	0919	Red kite	1	57	0.00	15.19	16.88	0.00	0.00	0.00	0.00	11.81	13.13	0.00	0.00	0.00
26/06/2024	4	LS	1209	Red kite	1	38	8.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26/06/2024	4	LS	1224	Red kite	1	45	15.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26/06/2024	4	LS	1235	Red kite	1	317	0.00	55.87	112.81	0.00	0.00	0.00	0.00	49.13	99.19	0.00	0.00	0.00
26/06/2024	4	LS	1239	Red kite	1	83	0.00	1.96	3.46	0.00	0.00	0.00	0.00	28.04	49.54	0.00	0.00	0.00
26/06/2024	4	LS	1357	Red kite	2	134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.00	60.00	0.00	0.00	0.00
27/06/2024	2	LS	0841	Red kite	1	53	29.13	11.50	0.00	0.00	0.00	0.00	8.87	3.50	0.00	0.00	0.00	0.00
28/06/2024	9	LS	1359	Golden eagle	1	78	0.00	71.62	0.00	0.00	0.00	0.00	0.00	6.38	0.00	0.00	0.00	0.00
22/07/2024	7	IH	0949	Red kite	2	650	0.00	388.37	234.94	0.00	0.00	0.00	0.00	16.63	10.06	0.00	0.00	0.00
22/07/2024	7	IH	1015	Red kite	1	195	86.80	74.40	0.00	0.00	0.00	0.00	18.20	15.60	0.00	0.00	0.00	0.00
22/07/2024	7	IH	1034	Red kite	1	83	0.00	0.00	77.54	0.00	0.00	0.00	0.00	0.00	5.46	0.00	0.00	0.00
22/07/2024	7	IH	1213	Red kite	1	37	0.00	0.00	35.35	0.00	0.00	0.00	0.00	0.00	1.65	0.00	0.00	0.00
23/07/2024	8	JR	0941	Red kite	2	110	0.00	0.00	0.00	0.00	0.00	0.00	5.00	75.00	30.00	0.00	0.00	0.00
23/07/2024	8	JR	0943	Red kite	4	1020	0.00	2.09	4.17	12.51	20.85	102.18	0.00	12.91	25.83	77.49	129.15	632.82
23/07/2024	8	JR	1002	Red kite	5	300	23.95	143.70	71.85	0.00	0.00	0.00	6.05	36.30	18.15	0.00	0.00	0.00
23/07/2024	8	JR	1014	Red kite	2	270	14.96	39.88	34.90	0.00	0.00	0.00	30.04	80.12	70.10	0.00	0.00	0.00
23/07/2024	8	JR	1203	Red kite	3	140	5.15	11.58	11.58	7.72	0.00	0.00	14.85	33.42	33.42	22.28	0.00	0.00
23/07/2024	8	JR	1214	Red kite	1	110	2.99	12.97	2.99	2.99	0.00	0.00	12.01	52.03	12.01	12.01	0.00	0.00
23/07/2024	8	JR	1237	Red kite	1	70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	45.00	10.00	0.00	0.00
23/07/2024	8	JR	1253	Red kite	1	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	15.00	30.00	30.00	10.00
23/07/2024	8	JR	1254	Golden eagle	1	39	0.00	0.00	0.00	0.00	0.00	0.00	39.00	0.00	0.00	0.00	0.00	0.00
23/07/2024	8	JR	1307	Red kite	2	70	2.55	7.66	7.66	0.00	0.00	0.00	7.45	22.34	22.34	0.00	0.00	0.00
23/07/2024	8	JR	1358	Red kite	2	49	0.00	14.91	11.77	11.77	0.00	0.00	0.00	4.09	3.23	3.23	0.00	0.00
23/07/2024	8	JR	1403	Red kite	2	130	0.00	8.08	48.48	12.12	36.36	0.00	0.00	1.92	11.52	2.88	8.64	0.00
23/07/2024	8	JR	1421	Red kite	1	100	0.00	0.00	0.00	18.17	18.17	24.22	0.00	0.00	0.00	11.83	11.83	15.78



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
23/07/2024	8	JR	1423	Red kite	1	89	0.00	0.00	0.00	5.07	5.07	4.90	0.00	0.00	0.00	24.93	24.93	24.10
23/07/2024	8	JR	1434	Red kite	1	141	0.00	10.36	0.00	0.00	9.12	0.00	0.00	64.64	0.00	0.00	56.88	0.00
24/07/2024	1	JR	1003	Red kite	1	59	0.00	2.77	1.43	1.43	0.00	0.00	0.00	26.23	13.57	13.57	0.00	0.00
24/07/2024	1	JR	1250	Merlin	1	10	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00
24/07/2024	2	LS	1359	Red kite	1	58	0.00	15.97	14.90	0.00	0.00	0.00	0.00	14.03	13.10	0.00	0.00	0.00
24/07/2024	3	IH	1400	Red kite	1	95	0.00	55.86	10.47	0.00	0.00	0.00	0.00	24.14	4.53	0.00	0.00	0.00
24/07/2024	3	IH	1406	Hen harrier	1	43	28.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25/07/2024	4	JR	0959	Hen harrier	1	270	32.46	4.99	4.99	2.50	0.00	0.00	162.54	25.01	25.01	12.50	0.00	0.00
25/07/2024	4	JR	1014	Hen harrier	1	67	0.00	0.00	0.00	0.00	0.00	0.00	67.00	0.00	0.00	0.00	0.00	0.00
25/07/2024	4	JR	1058	Red kite	1	58	0.00	53.96	0.00	0.00	0.00	0.00	0.00	4.04	0.00	0.00	0.00	0.00
25/07/2024	4	JR	1129	Red kite	1	83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.00	15.00	0.00	0.00	0.00
25/07/2024	4	JR	1351	Red kite	1	141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	15.00	36.00	75.00	0.00
25/07/2024	4	JR	1401	Hen harrier	1	196	170.53	15.16	0.00	0.00	0.00	0.00	9.47	0.84	0.00	0.00	0.00	0.00
25/07/2024	4	JR	1411	Hen harrier	1	16	0.00	0.00	0.00	0.00	0.00	0.00	16.00	0.00	0.00	0.00	0.00	0.00
25/07/2024	4	JR	1417	Hen harrier	1	27	20.65	0.00	0.00	0.00	0.00	0.00	6.35	0.00	0.00	0.00	0.00	0.00
25/07/2024	4	JR	1443	Red kite	3	201	0.00	171.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25/07/2024	4	JR	1450	Hen harrier	1	41	0.00	33.38	0.00	0.00	0.00	0.00	0.00	7.62	0.00	0.00	0.00	0.00
25/07/2024	5	IH	1159	Red kite	1	107	0.00	0.00	0.00	0.00	0.00	0.00	92.00	15.00	0.00	0.00	0.00	0.00
25/07/2024	5	IH	1211	Red kite	1	135	19.59	39.19	29.39	0.00	0.00	0.00	10.41	20.81	15.61	0.00	0.00	0.00
25/07/2024	5	IH	1301	Red kite	1	245	35.68	15.29	11.47	0.00	0.00	0.00	104.32	44.71	33.53	0.00	0.00	0.00
25/07/2024	9	LS	0921	Golden plover	1	30	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25/07/2024	9	LS	1207	Golden eagle	1	73	0.00	35.84	9.27	0.00	0.00	0.00	0.00	22.16	5.73	0.00	0.00	0.00
25/07/2024	9	LS	1210	Red kite	1	231	0.00	72.67	34.94	0.00	0.00	0.00	0.00	83.33	40.06	0.00	0.00	0.00
25/07/2024	9	LS	1335	Red kite	2	210	0.00	0.00	27.78	101.87	0.00	0.00	0.00	0.00	17.22	63.13	0.00	0.00
29/07/2024	7	JR	0842	Red kite	2	170	0.00	75.00	90.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29/07/2024	7	JR	0941	Red kite	1	70	0.00	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29/07/2024	7	JR	1040	Red kite	1	85	45.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29/07/2024	7	JR	1043	Red kite	1	59	0.00	57.87	0.00	0.00	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.00
29/07/2024	7	JR	1059	Red kite	1	45	26.14	13.07	0.00	0.00	0.00	0.00	3.86	1.93	0.00	0.00	0.00	0.00
29/07/2024	7	JR	1226	Red kite	2	420	0.00	254.82	89.19	12.74	0.00	0.00	0.00	45.18	15.81	2.26	0.00	0.00
29/07/2024	7	JR	1256	Red kite	1	540	15.00	390.00	120.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29/07/2024	7	JR	1309	Red kite	1	360	14.90	59.59	89.38	193.66	0.00	0.00	0.10	0.41	0.62	1.34	0.00	0.00
29/07/2024	7	JR	1346	Red kite	1	360	0.00	315.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29/07/2024	7	JR	1357	Red kite	1	130	16.89	60.82	10.14	0.00	0.00	0.00	8.11	29.18	4.86	0.00	0.00	0.00
29/07/2024	7	JR	1409	Red kite	1	24	0.00	24.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29/07/2024	10	IH	0954	Red kite	1	495	98.43	45.43	106.00	0.00	0.00	0.00	96.57	44.57	104.00	0.00	0.00	0.00



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							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
29/07/2024	10	IH	1041	Red kite	1	177	14.23	79.06	0.00	0.00	0.00	0.00	12.77	70.94	0.00	0.00	0.00	0.00
29/07/2024	10	IH	1042	Red kite	1	365	167.81	87.40	0.00	0.00	0.00	0.00	72.19	37.60	0.00	0.00	0.00	0.00
29/07/2024	10	IH	1052	Red kite	1	134	106.92	0.00	0.00	0.00	0.00	0.00	27.08	0.00	0.00	0.00	0.00	0.00
29/07/2024	10	IH	1208	Red kite	2	457	0.00	122.74	119.03	0.00	0.00	0.00	0.00	109.26	105.97	0.00	0.00	0.00
29/07/2024	10	IH	1225	Red kite	2	425	0.00	0.00	0.00	0.00	0.00	0.00	315.00	110.00	0.00	0.00	0.00	0.00
29/07/2024	10	IH	1239	Red kite	3	108	0.00	46.36	0.00	0.00	0.00	0.00	0.00	61.64	0.00	0.00	0.00	0.00
29/07/2024	10	IH	1244	Red kite	1	162	10.16	101.59	25.40	0.00	0.00	0.00	1.84	18.41	4.60	0.00	0.00	0.00
29/07/2024	10	IH	1304	Red kite	1	354	0.00	46.64	259.13	0.00	0.00	0.00	0.00	7.36	40.87	0.00	0.00	0.00
29/07/2024	10	IH	1305	Red kite	1	298	0.00	51.93	123.93	0.00	0.00	0.00	0.00	36.07	86.07	0.00	0.00	0.00
29/07/2024	10	IH	1411	Red kite	1	194	127.63	0.00	0.00	0.00	0.00	0.00	66.37	0.00	0.00	0.00	0.00	0.00
30/07/2024	8	IH	0826	Red kite	1	174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.00	0.00	0.00	0.00	0.00
30/07/2024	8	IH	0829	Red kite	1	88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.00	13.00	0.00	0.00	0.00
30/07/2024	8	IH	0833	Red kite	3	545	0.00	0.00	0.00	0.00	0.00	0.00	125.00	255.00	165.00	0.00	0.00	0.00
30/07/2024	8	IH	0915	Red kite	1	294	22.93	73.37	53.50	0.00	0.00	0.00	22.07	70.63	51.50	0.00	0.00	0.00
30/07/2024	8	IH	0933	Red kite	1	134	8.03	2.32	0.00	0.00	0.00	0.00	95.97	27.68	0.00	0.00	0.00	0.00
30/07/2024	8	IH	1001	Red kite	1	305	0.00	9.02	57.98	11.60	0.00	0.00	0.00	25.98	167.02	33.40	0.00	0.00
30/07/2024	8	IH	1001	Red kite	1	725	52.07	65.78	213.78	65.78	0.00	0.00	42.93	54.22	176.22	54.22	0.00	0.00
30/07/2024	8	IH	1036	Red kite	2	170	0.00	13.24	26.47	39.71	70.59	0.00	0.00	1.76	3.53	5.29	9.41	0.00
30/07/2024	8	IH	1201	Red kite	2	528	0.00	82.35	17.40	23.20	40.59	40.59	0.00	130.65	27.60	36.80	64.41	64.41
30/07/2024	8	IH	1223	Red kite	1	165	0.00	0.00	34.59	0.00	0.00	0.00	0.00	0.00	130.41	0.00	0.00	0.00
30/07/2024	8	IH	1225	Red kite	2	630	23.84	47.69	39.74	0.00	0.00	0.00	111.16	222.31	185.26	0.00	0.00	0.00
30/07/2024	8	IH	1309	Red kite	1	324	2.07	1.12	0.00	0.00	0.00	0.00	207.93	112.88	0.00	0.00	0.00	0.00
30/07/2024	8	IH	1312	Red kite	1	54	11.42	0.00	0.00	0.00	0.00	0.00	42.58	0.00	0.00	0.00	0.00	0.00
30/07/2024	8	IH	1410	Red kite	1	85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.00	0.00	0.00	0.00
30/07/2024	10	JR	0815	Golden eagle	1	310	0.00	14.28	14.28	266.53	0.00	0.00	0.00	0.72	0.72	13.47	0.00	0.00
30/07/2024	10	JR	0815	Red kite	5	600	0.00	110.88	232.84	99.79	0.00	0.00	0.00	39.12	82.16	35.21	0.00	0.00
30/07/2024	10	JR	0920	Red kite	2	32	0.00	11.99	0.00	0.00	0.00	0.00	0.00	20.01	0.00	0.00	0.00	0.00
30/07/2024	10	JR	0951	Red kite	1	18	1.30	0.00	6.49	0.00	0.00	0.00	1.70	0.00	8.51	0.00	0.00	0.00
30/07/2024	10	JR	1026	Golden eagle	1	130	0.00	7.24	26.07	4.34	0.00	0.00	0.00	17.76	63.93	10.66	0.00	0.00
30/07/2024	10	JR	1027	Red kite	2	330	0.00	237.75	69.93	0.00	0.00	0.00	0.00	17.25	5.07	0.00	0.00	0.00
30/07/2024	10	JR	1039	Red kite	1	140	0.00	79.30	37.56	0.00	0.00	0.00	0.00	15.70	7.44	0.00	0.00	0.00
30/07/2024	10	JR	1051	Golden eagle	1	21	9.64	3.86	0.00	0.00	0.00	0.00	5.36	2.14	0.00	0.00	0.00	0.00
30/07/2024	10	JR	1109	Red kite	3	370	35.95	69.78	50.75	0.00	0.00	0.00	49.05	95.22	69.25	0.00	0.00	0.00
30/07/2024	10	JR	1208	Red kite	3	58	0.00	17.51	0.00	0.00	0.00	0.00	0.00	40.49	0.00	0.00	0.00	0.00
30/07/2024	10	JR	1215	Red kite	4	130	0.00	22.91	19.63	0.00	0.00	0.00	0.00	47.09	40.37	0.00	0.00	0.00
30/07/2024	10	JR	1216	Red kite	4	1080	0.00	0.00	0.00	0.00	0.00	0.00	825.00	180.00	75.00	0.00	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
30/07/2024	10	JR	1259	Red kite	2	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	90.00	0.00	0.00	0.00
30/07/2024	10	JR	1337	Red kite	1	480	0.00	0.00	0.00	0.00	0.00	0.00	0.00	480.00	0.00	0.00	0.00	0.00
30/07/2024	10	JR	1421	Red kite	1	90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	0.00	0.00	0.00
30/07/2024	10	JR	1429	Red kite	1	61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61.00	0.00	0.00	0.00	0.00
30/07/2024	10	JR	1435	Red kite	1	96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00	0.00	0.00	0.00	0.00
31/07/2024	8	JR	0853	Red kite	1	195	0.00	6.60	19.81	19.81	13.20	26.41	0.00	8.40	25.19	25.19	16.80	33.59
31/07/2024	8	JR	0920	Red kite	1	12	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31/07/2024	8	JR	0921	Red kite	3	295	0.00	4.34	3.00	2.50	0.00	0.00	0.00	125.66	87.00	72.50	0.00	0.00
31/07/2024	8	JR	0946	Red kite	3	104	11.07	54.60	11.07	0.00	0.00	0.00	3.93	19.40	3.93	0.00	0.00	0.00
31/07/2024	8	JR	0952	Red kite	1	310	0.00	30.88	5.24	0.00	0.00	0.00	0.00	234.12	39.76	0.00	0.00	0.00
31/07/2024	8	JR	1009	Red kite	1	186	4.18	11.93	2.98	11.93	5.97	0.00	16.82	48.07	12.02	48.07	24.03	0.00
31/07/2024	8	JR	1014	Red kite	1	130	0.00	0.00	60.00	25.00	30.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00
31/07/2024	8	JR	1029	Red kite	3	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	30.00	45.00	30.00	0.00
31/07/2024	8	JR	1046	Red kite	2	240	0.00	75.00	165.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31/07/2024	8	JR	1107	Red kite	2	70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	30.00	0.00	0.00	0.00
31/07/2024	8	JR	1114	Red kite	1	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	30.00	60.00	45.00	30.00
31/07/2024	8	JR	1114	Red kite	3	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.00	0.00	0.00	0.00	0.00
31/07/2024	8	JR	1204	Red kite	1	150	0.83	1.66	1.66	3.32	0.83	0.00	14.17	28.34	28.34	56.68	14.17	0.00
31/07/2024	8	JR	1223	Red kite	1	120	0.00	0.00	0.00	9.68	67.78	0.00	0.00	0.00	0.00	5.32	37.22	0.00
31/07/2024	8	JR	1243	Red kite	3	300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	30.00	30.00	225.00	0.00
31/07/2024	8	JR	1249	Red kite	1	70	0.00	0.00	47.85	0.00	0.00	0.00	0.00	0.00	22.15	0.00	0.00	0.00
31/07/2024	8	JR	1253	Red kite	1	150	0.00	7.90	15.79	31.59	23.69	0.00	0.00	7.10	14.21	28.41	21.31	0.00
31/07/2024	8	JR	1312	Red kite	1	59	0.00	0.00	0.00	0.00	0.00	0.00	14.00	30.00	15.00	0.00	0.00	0.00
01/08/2024	1	IH	1547	Red kite	1	578	0.81	1.52	56.14	0.00	0.00	0.00	7.19	13.48	498.86	0.00	0.00	0.00
01/08/2024	2	LS	1306	Red kite	1	87	0.00	2.84	6.31	0.00	0.00	0.00	0.00	24.16	53.69	0.00	0.00	0.00
01/08/2024	2	LS	1547	Red kite	1	190	0.00	8.60	34.42	11.47	0.00	0.00	0.00	21.40	85.58	28.53	0.00	0.00
01/08/2024	3	JR	1041	Red kite	1	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	45.00	0.00	30.00	0.00
01/08/2024	3	JR	1046	Red kite	2	135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	15.00	0.00	75.00	0.00
01/08/2024	3	JR	1057	Red kite	1	161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.00	15.00	15.00	45.00	11.00
01/08/2024	3	JR	1102	Red kite	1	70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	15.00	15.00	0.00	0.00
01/08/2024	3	JR	1106	Red kite	1	18	0.00	0.99	0.00	0.00	0.00	0.00	0.00	17.01	0.00	0.00	0.00	0.00
01/08/2024	3	JR	1109	Red kite	1	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00
01/08/2024	3	JR	1113	Red kite	1	70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.00	15.00	0.00	0.00	0.00
01/08/2024	3	JR	1143	Red kite	2	110	0.00	15.08	10.44	0.00	0.00	0.00	0.00	49.92	34.56	0.00	0.00	0.00
01/08/2024	3	JR	1151	Red kite	2	40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	0.00	0.00	0.00	0.00
01/08/2024	3	JR	1203	Red kite	1	39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.00	0.00	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
01/08/2024	3	JR	1211	Red kite	1	105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	90.00	0.00	0.00
01/08/2024	3	JR	1216	Red kite	2	257	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	105.00	75.00	30.00	17.00
01/08/2024	3	JR	1244	Red kite	1	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	30.00	75.00	0.00	0.00
01/08/2024	3	JR	1528	Red kite	4	140	0.00	22.41	57.63	9.60	0.00	0.00	0.00	12.59	32.37	5.40	0.00	0.00
01/08/2024	3	JR	1532	Red kite	1	360	0.00	11.45	8.18	0.00	0.00	0.00	0.00	198.55	141.82	0.00	0.00	0.00
01/08/2024	3	JR	1606	Red kite	2	119	0.00	0.00	0.00	0.00	0.00	0.00	14.00	45.00	30.00	30.00	0.00	0.00
01/08/2024	3	JR	1621	Red kite	1	340	0.00	0.00	0.00	0.00	0.00	0.00	70.00	210.00	60.00	0.00	0.00	0.00
01/08/2024	3	JR	1634	Red kite	2	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	0.00	0.00	0.00	0.00
02/08/2024	9	LS	0921	Red kite	1	74	0.00	31.65	21.58	0.00	0.00	0.00	0.00	12.35	8.42	0.00	0.00	0.00
06/08/2024	1	IH	1147	Red kite	1	73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.00	0.00	0.00	0.00	0.00
06/08/2024	4	LS	1257	Red kite	1	49	0.00	39.20	0.00	0.00	0.00	0.00	0.00	9.80	0.00	0.00	0.00	0.00
07/08/2024	7	IH	0954	Red kite	1	96	96.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/08/2024	7	IH	0955	Golden plover	3	34	34.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/08/2024	7	IH	1107	Red kite	1	65	65.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/08/2024	7	IH	1239	Red kite	1	51	51.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08/08/2024	8	LS	0903	Red kite	1	72	0.00	14.58	0.00	0.00	0.00	0.00	0.00	57.42	0.00	0.00	0.00	0.00
08/08/2024	8	LS	1032	Red kite	1	65	0.00	58.05	0.00	0.00	0.00	0.00	0.00	6.95	0.00	0.00	0.00	0.00
08/08/2024	8	LS	1047	Red kite	1	124	0.00	115.80	0.00	0.00	0.00	0.00	0.00	8.20	0.00	0.00	0.00	0.00
08/08/2024	8	LS	1050	Red kite	1	129	0.00	0.00	0.00	0.00	0.00	0.00	69.00	60.00	0.00	0.00	0.00	0.00
08/08/2024	8	LS	1050	Red kite	1	68	0.00	8.25	0.00	0.00	0.00	0.00	0.00	59.75	0.00	0.00	0.00	0.00
08/08/2024	8	LS	1231	Red kite	1	74	0.90	1.39	0.00	0.00	0.00	0.00	28.10	43.61	0.00	0.00	0.00	0.00
08/08/2024	8	LS	1337	Red kite	1	51	4.01	30.09	0.00	0.00	0.00	0.00	1.99	14.91	0.00	0.00	0.00	0.00
08/08/2024	10	IH	0922	Red kite	2	660	276.33	95.65	95.65	0.00	0.00	0.00	113.67	39.35	39.35	0.00	0.00	0.00
08/08/2024	10	IH	0922	Red kite	1	535	23.28	28.45	225.02	0.00	0.00	0.00	21.72	26.55	209.98	0.00	0.00	0.00
08/08/2024	10	IH	0923	Red kite	1	145	24.53	94.03	0.00	0.00	0.00	0.00	5.47	20.97	0.00	0.00	0.00	0.00
08/08/2024	10	IH	1028	Red kite	1	94	0.00	94.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08/08/2024	10	IH	1316	Red kite	1	137	32.17	0.00	0.00	0.00	0.00	0.00	104.83	0.00	0.00	0.00	0.00	0.00
09/08/2024	4	LS	1041	Red kite	1	107	0.00	73.58	28.67	0.00	0.00	0.00	0.00	3.42	1.33	0.00	0.00	0.00
28/08/2024	2	JR	1210	Herring gull	18	242	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	180.00	0.00	0.00	0.00
28/08/2024	2	JR	1222	Golden plover	2	41	0.00	22.94	0.00	0.00	0.00	0.00	0.00	18.06	0.00	0.00	0.00	0.00
28/08/2024	3	JR	1314	Herring gull	21	47	0.00	44.80	0.00	0.00	0.00	0.00	0.00	2.20	0.00	0.00	0.00	0.00
28/08/2024	3	JR	1322	Red kite	2	130	12.59	29.38	12.59	0.00	0.00	0.00	17.41	40.62	17.41	0.00	0.00	0.00
28/08/2024	3	JR	1334	Red kite	1	115	0.00	10.29	11.23	0.00	0.00	0.00	0.00	44.71	48.77	0.00	0.00	0.00
28/08/2024	3	JR	1343	Red kite	2	140	14.26	42.79	42.79	0.00	0.00	0.00	5.74	17.21	17.21	0.00	0.00	0.00
28/08/2024	3	JR	1351	Red kite	1	45	0.00	25.00	12.50	0.00	0.00	0.00	0.00	5.00	2.50	0.00	0.00	0.00
29/08/2024	5	JR	0934	Herring gull	14	215	0.00	15.01	22.52	15.01	15.01	40.04	0.00	14.99	22.48	14.99	14.99	39.96



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							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
29/08/2024	5	JR	1025	Red kite	1	180	0.00	0.00	0.00	0.00	17.88	17.88	0.00	0.00	0.00	0.00	72.12	72.12
03/09/2024	2	LS	0959	Red kite	1	74	0.00	31.37	0.00	0.00	0.00	0.00	0.00	42.63	0.00	0.00	0.00	0.00
03/09/2024	3	JR	0950	Red kite	1	37	0.00	37.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/09/2024	3	JR	0958	Red kite	1	78	0.00	16.17	13.47	26.94	13.47	0.00	0.00	1.83	1.53	3.06	1.53	0.00
03/09/2024	3	JR	1043	Red kite	1	52	0.00	6.53	27.97	13.98	0.00	0.00	0.00	0.47	2.03	1.02	0.00	0.00
03/09/2024	3	JR	1104	Red kite	2	59	0.00	5.15	16.55	0.00	0.00	0.00	0.00	8.85	28.45	0.00	0.00	0.00
03/09/2024	3	JR	1114	Red kite	1	52	4.18	4.18	6.13	0.00	0.00	0.00	10.82	10.82	15.87	0.00	0.00	0.00
04/09/2024	7	IH	1007	Red kite	1	132	0.00	15.00	117.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04/09/2024	7	IH	1008	Red kite	1	45	15.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04/09/2024	7	IH	1008	Red kite	1	228	15.00	30.00	60.00	123.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04/09/2024	7	IH	1021	Red kite	1	35	0.00	35.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04/09/2024	7	IH	1023	Red kite	1	175	0.00	29.75	29.75	114.04	0.00	0.00	0.00	0.25	0.25	0.96	0.00	0.00
04/09/2024	7	IH	1216	Red kite	1	54	46.67	0.00	0.00	0.00	0.00	0.00	7.33	0.00	0.00	0.00	0.00	0.00
04/09/2024	7	IH	1248	Red kite	1	42	0.00	42.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04/09/2024	7	IH	1258	Red kite	1	205	25.00	75.00	105.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04/09/2024	8	LS	0955	Red kite	1	75	0.00	40.90	0.00	0.00	0.00	0.00	0.00	34.10	0.00	0.00	0.00	0.00
04/09/2024	8	LS	1020	Red kite	1	321	0.00	0.00	0.00	0.00	0.00	0.00	0.00	246.00	75.00	0.00	0.00	0.00
04/09/2024	8	LS	1021	Red kite	1	64	22.55	19.89	0.00	0.00	0.00	0.00	11.45	10.11	0.00	0.00	0.00	0.00
04/09/2024	8	LS	1316	Red kite	1	134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	89.00	30.00	0.00	0.00
04/09/2024	10	JR	0904	Herring gull	1	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.00	0.00	0.00	0.00
04/09/2024	10	JR	0959	Red kite	2	370	0.00	0.00	0.00	0.00	0.00	0.00	30.00	235.00	105.00	0.00	0.00	0.00
04/09/2024	10	JR	1001	Red kite	2	190	0.00	0.00	0.00	0.00	0.00	0.00	30.00	75.00	85.00	0.00	0.00	0.00
04/09/2024	10	JR	1001	Red kite	1	340	0.00	27.46	25.74	5.15	0.00	0.00	0.00	132.54	124.26	24.85	0.00	0.00
04/09/2024	10	JR	1006	Red kite	4	900	0.00	86.11	16.40	20.50	0.00	0.00	0.00	543.89	103.60	129.50	0.00	0.00
04/09/2024	10	JR	1014	Herring gull	2	59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.00	0.00	0.00	0.00
04/09/2024	10	JR	1134	Red kite	2	360	0.00	55.36	55.36	22.14	0.00	0.00	0.00	94.64	94.64	37.86	0.00	0.00
04/09/2024	10	JR	1234	Herring gull	2	70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.00	0.00	0.00	0.00
04/09/2024	10	JR	1350	Red kite	1	27	0.00	21.11	0.00	0.00	0.00	0.00	0.00	5.89	0.00	0.00	0.00	0.00
05/09/2024	5	LS	1053	Red kite	1	157	0.00	0.00	0.00	0.00	0.00	0.00	22.00	45.00	45.00	45.00	0.00	0.00
10/09/2024	1	JR	1144	Black grouse	1	6	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00
10/09/2024	2	IH	0854	Red kite	1	53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.00	0.00	0.00	0.00	0.00
10/09/2024	2	IH	0956	Golden plover	3	96	0.00	5.48	29.57	0.00	0.00	0.00	0.00	9.53	51.44	0.00	0.00	0.00
11/09/2024	4	IH	0939	Red kite	1	97	12.35	0.00	67.54	0.00	0.00	0.00	2.65	0.00	14.46	0.00	0.00	0.00
11/09/2024	4	IH	1410	Red kite	1	204	0.00	46.76	112.24	0.00	0.00	0.00	0.00	13.24	31.76	0.00	0.00	0.00
11/09/2024	5	LS	1019	Red kite	1	54	15.00	39.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/09/2024	5	LS	1048	Greylag goose	34	236	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	236.00	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
11/09/2024	5	LS	1315	Red kite	1	213	0.00	121.46	66.01	0.00	0.00	0.00	0.00	16.54	8.99	0.00	0.00	0.00
11/09/2024	5	LS	1401	Greylag goose	25	190	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.00	0.00	0.00
11/09/2024	9	JR	0914	Goshawk	1	51	0.00	0.13	0.33	0.67	0.00	0.00	0.00	5.87	14.67	29.33	0.00	0.00
11/09/2024	9	JR	1029	Red kite	2	170	0.00	46.39	49.48	9.28	0.00	0.00	0.00	28.61	30.52	5.72	0.00	0.00
11/09/2024	9	JR	1100	Golden eagle	1	115	0.00	1.84	1.18	0.00	0.00	0.00	0.00	68.16	43.82	0.00	0.00	0.00
03/10/2024	1	ENS	1108	Red kite	1	114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	24.00
03/10/2024	1	ENS	1332	Red kite	1	48	0.00	0.00	0.00	0.00	0.00	0.00	3.00	45.00	0.00	0.00	0.00	0.00
03/10/2024	1	ENS	1341	Red kite	1	88	0.00	0.00	0.00	18.61	9.30	26.67	0.00	0.00	0.00	11.39	5.70	16.33
03/10/2024	2	IH	0941	Red kite	1	47	0.00	0.00	0.00	0.00	0.00	0.00	17.00	30.00	0.00	0.00	0.00	0.00
03/10/2024	2	IH	1001	Red kite	1	35	12.28	0.00	0.00	0.00	0.00	0.00	22.72	0.00	0.00	0.00	0.00	0.00
03/10/2024	2	IH	1059	Red kite	1	50	2.35	21.13	0.00	0.00	0.00	0.00	2.65	23.87	0.00	0.00	0.00	0.00
03/10/2024	2	IH	1138	Red kite	1	83	4.67	43.77	0.00	0.00	0.00	0.00	3.33	31.23	0.00	0.00	0.00	0.00
03/10/2024	3	LS	0959	Red kite	1	67	0.00	18.63	0.00	0.00	0.00	0.00	0.00	48.37	0.00	0.00	0.00	0.00
03/10/2024	3	LS	1313	Red kite	1	341	0.00	0.00	33.88	128.85	0.00	0.00	0.00	0.00	37.12	141.15	0.00	0.00
03/10/2024	3	LS	1319	Red kite	1	38	0.67	1.26	1.26	0.00	0.00	0.00	7.33	13.74	13.74	0.00	0.00	0.00
08/10/2024	5	MW	0812	Hen harrier	1	45	0.00	0.00	0.00	0.00	0.00	0.00	45.00	0.00	0.00	0.00	0.00	0.00
08/10/2024	5	MW	0900	Golden plover	1	20	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
09/10/2024	9	MW	1120	Hen harrier	1	40	29.51	0.00	0.00	0.00	0.00	0.00	10.49	0.00	0.00	0.00	0.00	0.00
09/10/2024	9	MW	1200	Golden plover	1	42	42.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18/10/2024	7	IH	0949	Red kite	1	35	35.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18/10/2024	7	IH	0956	Red kite	1	150	45.00	60.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18/10/2024	7	IH	1013	Red kite	1	47	15.39	27.16	0.00	0.00	0.00	0.00	1.61	2.84	0.00	0.00	0.00	0.00
18/10/2024	7	IH	1029	Red kite	1	83	7.78	29.18	43.77	0.00	0.00	0.00	0.22	0.82	1.23	0.00	0.00	0.00
18/10/2024	7	IH	1240	Red kite	1	95	0.00	20.00	75.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18/10/2024	8	LW	0952	Red kite	1	40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	15.00	0.00	0.00
18/10/2024	8	LW	1014	Red kite	1	30	20.84	0.00	0.00	0.00	0.00	0.00	9.16	0.00	0.00	0.00	0.00	0.00
18/10/2024	10	ENS	1021	Red kite	1	129	0.00	46.28	51.42	12.86	0.00	0.00	0.00	7.72	8.58	2.14	0.00	0.00
05/11/2024	7	LW	1039	Red kite	1	160	7.33	11.00	77.00	22.00	0.00	0.00	2.67	4.00	28.00	8.00	0.00	0.00
05/11/2024	7	LW	1142	Red kite	1	30	3.48	3.48	0.00	0.00	0.00	0.00	11.52	11.52	0.00	0.00	0.00	0.00
05/11/2024	7	LW	1143	Red kite	1	40	7.58	22.74	0.00	0.00	0.00	0.00	2.42	7.26	0.00	0.00	0.00	0.00
05/11/2024	7	LW	1149	Red kite	1	30	12.41	12.41	0.00	0.00	0.00	0.00	2.59	2.59	0.00	0.00	0.00	0.00
05/11/2024	7	LW	1156	Red kite	1	35	4.44	26.63	0.00	0.00	0.00	0.00	0.56	3.38	0.00	0.00	0.00	0.00
05/11/2024	7	LW	1244	Red kite	2	50	4.21	12.62	25.24	0.00	0.00	0.00	0.79	2.38	4.76	0.00	0.00	0.00
05/11/2024	7	LW	1324	Red kite	1	160	0.00	40.00	60.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05/11/2024	7	LW	1349	Red kite	1	130	0.00	33.76	27.62	18.42	0.00	0.00	0.00	21.24	17.38	11.58	0.00	0.00
05/11/2024	7	LW	1351	Red kite	1	45	0.00	7.27	14.53	0.00	0.00	0.00	0.00	7.73	15.47	0.00	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
05/11/2024	7	LW	1409	Red kite	2	40	25.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05/11/2024	7	LW	1423	Red kite	3	200	0.00	15.80	82.95	59.25	0.00	0.00	0.00	4.20	22.05	15.75	0.00	0.00
05/11/2024	8	TL	1010	Greylag goose	4	30	0.00	0.00	0.00	4.93	4.93	0.00	0.00	0.00	0.00	10.07	10.07	0.00
05/11/2024	8	TL	1101	Red kite	1	45	0.00	3.23	0.00	0.00	0.00	0.00	0.00	41.77	0.00	0.00	0.00	0.00
05/11/2024	8	TL	1117	Red kite	1	165	0.00	43.53	24.88	0.00	0.00	0.00	0.00	61.47	35.12	0.00	0.00	0.00
05/11/2024	8	TL	1126	Red kite	1	42	0.00	7.28	2.91	0.00	0.00	0.00	0.00	22.72	9.09	0.00	0.00	0.00
05/11/2024	8	TL	1142	Red kite	1	38	0.00	11.41	0.00	0.00	0.00	0.00	0.00	26.59	0.00	0.00	0.00	0.00
05/11/2024	8	TL	1142	Red kite	1	38	0.00	9.98	0.00	0.00	0.00	0.00	0.00	28.02	0.00	0.00	0.00	0.00
05/11/2024	8	TL	1156	Red kite	1	7	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05/11/2024	8	TL	1229	Red kite	1	32	0.00	1.40	20.97	0.00	0.00	0.00	0.00	0.60	9.03	0.00	0.00	0.00
05/11/2024	8	TL	1240	Red kite	2	240	0.00	0.00	0.00	0.00	0.00	0.00	45.00	30.00	135.00	30.00	0.00	0.00
05/11/2024	8	TL	1331	Red kite	1	102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.00	45.00	30.00	0.00	0.00
05/11/2024	8	TL	1349	Red kite	2	45	0.00	0.00	14.67	0.00	0.00	0.00	0.00	0.00	30.33	0.00	0.00	0.00
05/11/2024	8	TL	1350	Red kite	1	136	0.00	0.00	49.37	24.41	0.00	0.00	0.00	0.00	41.63	20.59	0.00	0.00
05/11/2024	10	TH	1149	Red kite	1	150	21.62	32.43	54.05	0.00	0.00	0.00	8.38	12.57	20.95	0.00	0.00	0.00
05/11/2024	10	TH	1233	Red kite	2	75	0.00	60.68	0.00	0.00	0.00	0.00	0.00	14.32	0.00	0.00	0.00	0.00
05/11/2024	10	TH	1331	Red kite	1	50	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05/11/2024	10	TH	1336	Merlin	1	20	2.07	0.00	0.00	0.00	0.00	0.00	17.93	0.00	0.00	0.00	0.00	0.00
05/11/2024	10	TH	1423	Red kite	1	65	0.00	24.69	28.80	0.00	0.00	0.00	0.00	5.31	6.20	0.00	0.00	0.00
16/12/2024	2	TL	1021	Whooper swan	2	43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.00	0.00	0.00
16/12/2024	3	JB	1018	Whooper swan	2	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00
16/12/2024	3	JB	1339	Red kite	1	36	0.00	0.00	21.61	0.00	0.00	0.00	0.00	0.00	14.39	0.00	0.00	0.00
18/12/2024	5	JB	1118	Pink-footed goose	28	97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.00	30.00	0.00
18/12/2024	9	LW	1149	Hen harrier	1	115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00	55.00	0.00	0.00	0.00
18/12/2024	9	LW	1206	Hen harrier	1	65	13.80	31.04	0.00	0.00	0.00	0.00	6.20	13.96	0.00	0.00	0.00	0.00
08/01/2025	2	IH	1431	Hen harrier	1	115	35.60	0.00	5.34	0.00	0.00	0.00	64.40	0.00	9.66	0.00	0.00	0.00
17/01/2025	7	TL	0904	Red kite	1	29	0.00	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17/01/2025	7	TL	0920	Red kite	1	96	0.00	0.00	96.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17/01/2025	7	TL	0922	Red kite	1	30	0.00	25.37	0.00	0.00	0.00	0.00	0.00	4.63	0.00	0.00	0.00	0.00
17/01/2025	7	TL	0954	Red kite	1	115	0.00	16.02	0.00	0.00	0.00	0.00	0.00	98.98	0.00	0.00	0.00	0.00
17/01/2025	7	TL	1030	Red kite	1	62	53.12	1.77	0.00	0.00	0.00	0.00	6.88	0.23	0.00	0.00	0.00	0.00
17/01/2025	7	TL	1110	Red kite	1	70	11.05	40.52	0.00	0.00	0.00	0.00	3.95	14.48	0.00	0.00	0.00	0.00
17/01/2025	7	TL	1134	Red kite	2	29	0.00	17.48	0.00	0.00	0.00	0.00	0.00	11.52	0.00	0.00	0.00	0.00
17/01/2025	7	TL	1153	Red kite	1	136	0.00	31.41	63.51	0.00	0.00	0.00	0.00	13.59	27.49	0.00	0.00	0.00
17/01/2025	7	TL	1245	Red kite	2	66	0.00	28.85	24.04	0.00	0.00	0.00	0.00	7.15	5.96	0.00	0.00	0.00
17/01/2025	7	TL	1253	Red kite	1	98	8.00	60.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
17/01/2025	7	TL	1321	Red kite	1	45	0.00	0.00	28.18	0.00	0.00	0.00	0.00	0.00	16.82	0.00	0.00	0.00
17/01/2025	7	TL	1330	Red kite	1	20	12.35	0.00	0.00	0.00	0.00	0.00	7.65	0.00	0.00	0.00	0.00	0.00
17/01/2025	7	TL	1352	Red kite	1	51	3.67	27.53	0.00	0.00	0.00	0.00	2.33	17.47	0.00	0.00	0.00	0.00
17/01/2025	8	LS	1245	Red kite	1	34	0.00	34.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28/01/2025	1	TL	1158	Hen harrier	1	1020	379.74	0.00	81.37	0.00	0.00	0.00	460.26	0.00	98.63	0.00	0.00	0.00
28/01/2025	1	TL	1214	Merlin	1	36	36.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28/01/2025	1	TL	1240	Red kite	1	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	7.00	0.00	0.00	0.00
30/01/2025	1	LS	1303	Red kite	1	210	0.00	109.23	54.61	27.31	0.00	0.00	0.00	10.77	5.39	2.69	0.00	0.00
30/01/2025	4	TH	1226	Red kite	1	90	21.93	10.96	0.00	0.00	0.00	0.00	38.07	19.04	0.00	0.00	0.00	0.00
05/02/2025	5	TL	0950	Red kite	2	13	0.00	0.00	0.00	0.00	0.00	0.00	13.00	0.00	0.00	0.00	0.00	0.00
05/02/2025	5	TL	0953	Red kite	1	39	0.00	0.00	0.00	0.00	0.00	0.00	9.00	30.00	0.00	0.00	0.00	0.00
05/02/2025	5	TL	1027	Hen harrier	1	72	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00	0.00	0.00	0.00	0.00
05/02/2025	5	TL	1108	Hen harrier	1	24	3.62	0.00	0.00	0.00	0.00	0.00	20.38	0.00	0.00	0.00	0.00	0.00
05/02/2025	5	TL	1127	Hen harrier	1	167	95.19	27.09	0.00	0.00	0.00	0.00	34.81	9.91	0.00	0.00	0.00	0.00
05/02/2025	5	TL	1148	Red kite	1	33	0.00	0.00	15.21	0.00	0.00	0.00	0.00	0.00	17.79	0.00	0.00	0.00
05/02/2025	5	TL	1150	Hen harrier	1	12	0.00	0.00	0.00	0.00	0.00	0.00	12.00	0.00	0.00	0.00	0.00	0.00
05/02/2025	5	TL	1247	Red kite	1	17	0.00	0.00	0.00	0.00	0.00	0.00	2.00	15.00	0.00	0.00	0.00	0.00
05/02/2025	9	LS	0957	Red kite	1	147	47.69	50.20	25.10	0.00	0.00	0.00	9.31	9.80	4.90	0.00	0.00	0.00
05/02/2025	9	LS	1048	Red kite	1	199	0.00	89.40	73.82	0.00	0.00	0.00	0.00	19.60	16.18	0.00	0.00	0.00
05/02/2025	9	LS	1230	Red kite	1	61	12.71	35.75	0.00	0.00	0.00	0.00	3.29	9.25	0.00	0.00	0.00	0.00
05/02/2025	9	LS	1241	Red kite	1	45	0.00	2.58	1.29	0.00	0.00	0.00	0.00	27.42	13.71	0.00	0.00	0.00
05/02/2025	9	LS	1249	Red kite	1	155	0.00	17.59	45.22	15.07	0.00	0.00	0.00	17.41	44.78	14.93	0.00	0.00
05/02/2025	9	LS	1253	Red kite	1	74	0.00	63.60	0.00	0.00	0.00	0.00	0.00	10.40	0.00	0.00	0.00	0.00
06/02/2025	2	JB	1146	Merlin	1	85	0.00	0.00	13.05	14.68	0.00	0.00	0.00	0.00	26.95	30.32	0.00	0.00
06/02/2025	2	JB	1337	Red kite	1	300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.00	135.00	45.00	0.00
06/02/2025	2	JB	1454	Red kite	1	420	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00	165.00	120.00	75.00
19/02/2025	7	ENS	0936	Red kite	1	76	0.00	16.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19/02/2025	7	ENS	0953	Red kite	1	32	0.00	17.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19/02/2025	7	ENS	1004	Red kite	1	46	0.00	10.28	19.27	0.00	0.00	0.00	0.00	5.72	10.73	0.00	0.00	0.00
19/02/2025	7	ENS	1012	Red kite	1	26	0.00	0.00	10.88	14.83	0.00	0.00	0.00	0.00	0.12	0.17	0.00	0.00
19/02/2025	7	ENS	1108	Golden plover	30	6	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19/02/2025	7	ENS	1141	Red kite	1	127	7.00	60.00	15.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19/02/2025	8	JB	1000	Pink-footed goose	9	65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.00
19/02/2025	8	JB	1100	Red kite	1	240	56.27	48.23	24.11	0.00	0.00	0.00	48.73	41.77	20.89	0.00	0.00	0.00
19/02/2025	8	JB	1146	Red kite	1	145	14.12	15.41	7.70	0.00	0.00	0.00	40.88	44.59	22.30	0.00	0.00	0.00
19/02/2025	8	JB	1249	Red kite	1	126	5.39	15.40	11.55	0.00	0.00	0.00	15.61	44.60	33.45	0.00	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
28/02/2025	10	TH	1122	Red kite	1	50	0.00	1.32	1.98	0.00	0.00	0.00	0.00	18.68	28.02	0.00	0.00	0.00
28/02/2025	10	TH	1256	Red kite	1	165	0.00	35.69	42.82	0.00	0.00	0.00	0.00	39.31	47.18	0.00	0.00	0.00
11/03/2025	4	IH	1150	Red kite	1	60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	15.00	0.00	0.00	0.00
11/03/2025	4	IH	1310	Red kite	1	145	13.85	66.47	0.00	0.00	0.00	0.00	11.15	53.53	0.00	0.00	0.00	0.00
11/03/2025	4	IH	1310	Red kite	1	45	8.04	16.08	0.00	0.00	0.00	0.00	6.96	13.92	0.00	0.00	0.00	0.00
17/03/2025	1	TH	1316	Golden eagle	1	75	0.00	0.00	6.58	26.31	0.00	0.00	0.00	0.00	8.42	33.69	0.00	0.00
17/03/2025	1	TH	1619	Red kite	1	60	0.00	0.00	20.71	6.90	0.00	0.00	0.00	0.00	24.29	8.10	0.00	0.00
17/03/2025	4	LS	1013	Red kite	1	53	0.00	25.01	0.00	0.00	0.00	0.00	0.00	27.99	0.00	0.00	0.00	0.00
20/03/2025	7	LW	0920	Red kite	1	50	0.00	0.00	25.44	0.00	0.00	0.00	0.00	0.00	24.56	0.00	0.00	0.00
20/03/2025	7	LW	1004	Red kite	1	60	0.00	14.76	14.76	0.00	0.00	0.00	0.00	15.24	15.24	0.00	0.00	0.00
20/03/2025	7	LW	1012	Red kite	1	95	20.00	45.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20/03/2025	7	LW	1109	Red kite	1	75	0.00	45.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20/03/2025	7	LW	1119	Red kite	1	300	0.00	148.32	49.44	0.00	0.00	0.00	0.00	76.68	25.56	0.00	0.00	0.00
20/03/2025	7	LW	1318	Red kite	2	90	9.75	29.24	19.49	0.00	0.00	0.00	5.25	15.76	10.51	0.00	0.00	0.00
20/03/2025	8	JB	0920	Red kite	1	180	19.41	24.26	14.56	0.00	0.00	0.00	40.59	50.74	30.44	0.00	0.00	0.00
20/03/2025	8	JB	0930	Red kite	1	180	17.39	52.17	34.78	0.00	0.00	0.00	12.61	37.83	25.22	0.00	0.00	0.00
20/03/2025	8	JB	0932	Lapwing	2	90	0.00	5.17	10.34	0.00	0.00	0.00	0.00	24.83	49.66	0.00	0.00	0.00
20/03/2025	8	JB	1005	Red kite	1	55	1.91	0.00	8.59	0.00	0.00	0.00	8.09	0.00	36.41	0.00	0.00	0.00
20/03/2025	8	JB	1311	Red kite	1	33	0.00	23.22	0.00	0.00	0.00	0.00	0.00	9.78	0.00	0.00	0.00	0.00
20/03/2025	10	ENS	0916	Red kite	1	261	0.00	19.26	90.50	57.77	0.00	0.00	0.00	10.74	50.50	32.23	0.00	0.00
20/03/2025	10	ENS	0944	Red kite	1	320	0.00	0.00	44.18	50.97	50.97	71.36	0.00	0.00	20.82	24.03	24.03	33.64
20/03/2025	10	ENS	1026	Red kite	1	253	0.00	0.00	32.09	32.09	116.23	0.00	0.00	0.00	12.91	12.91	46.77	0.00
20/03/2025	10	ENS	1059	Red kite	1	271	2.33	3.80	2.28	2.28	3.04	0.00	43.67	71.20	42.72	42.72	56.96	0.00
20/03/2025	10	ENS	1101	Red kite	1	50	0.00	0.00	0.00	0.00	0.00	0.00	15.00	15.00	20.00	0.00	0.00	0.00
20/03/2025	10	ENS	1122	Red kite	2	110	0.00	0.00	0.00	9.56	9.56	15.93	0.00	0.00	0.00	20.44	20.44	34.07
20/03/2025	10	ENS	1231	Red kite	1	185	0.00	0.00	3.76	11.27	4.83	0.00	0.00	0.00	31.24	93.73	40.17	0.00
20/03/2025	10	ENS	1349	Red kite	1	67	0.00	0.00	12.23	9.92	0.00	0.00	0.00	0.00	24.77	20.08	0.00	0.00
21/03/2025	5	LW	1139	Ringed plover	1	15	0.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00
21/03/2025	9	TL	1104	Golden plover	1	9	6.13	0.00	0.00	0.00	0.00	0.00	2.87	0.00	0.00	0.00	0.00	0.00
27/03/2025	3	ENS	0913	Red kite	1	35	13.52	18.03	0.00	0.00	0.00	0.00	1.48	1.97	0.00	0.00	0.00	0.00
27/03/2025	3	ENS	0913	Red kite	1	10	0.00	4.62	0.00	0.00	0.00	0.00	0.00	5.38	0.00	0.00	0.00	0.00
02/04/2025	7	TL	1021	Red kite	1	24	0.00	21.88	0.00	0.00	0.00	0.00	0.00	2.12	0.00	0.00	0.00	0.00
02/04/2025	7	TL	1128	Merlin	1	43	0.00	21.20	0.00	0.00	0.00	0.00	0.00	21.80	0.00	0.00	0.00	0.00
02/04/2025	7	TL	1225	Red kite	1	131	0.00	31.31	23.38	0.00	0.00	0.00	0.00	43.69	32.62	0.00	0.00	0.00
02/04/2025	7	TL	1226	Curlew	1	19	0.30	1.14	0.00	0.00	0.00	0.00	3.70	13.86	0.00	0.00	0.00	0.00
02/04/2025	8	TL	1318	Red kite	1	36	0.00	22.63	0.00	0.00	0.00	0.00	0.00	13.37	0.00	0.00	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
03/04/2025	3	EB	1151	Curlew	1	20	0.00	0.00	0.00	0.00	0.00	0.00	5.00	15.00	0.00	0.00	0.00	0.00
03/04/2025	3	EB	1405	Curlew	2	35	1.90	11.37	0.00	0.00	0.00	0.00	3.10	18.63	0.00	0.00	0.00	0.00
04/04/2025	7	JB	0926	Red kite	1	180	0.00	75.00	105.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04/04/2025	8	ENS	0857	Greylag goose	6	26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.00	0.00	0.00
04/04/2025	8	ENS	1015	Red kite	1	58	0.00	0.00	0.00	15.99	14.92	0.00	0.00	0.00	0.00	14.01	13.08	0.00
04/04/2025	8	ENS	1024	Red kite	1	32	0.00	0.00	0.00	9.59	10.87	0.00	0.00	0.00	0.00	5.41	6.13	0.00
04/04/2025	8	ENS	1136	Red kite	1	55	0.00	0.00	0.00	7.29	32.80	0.00	0.00	0.00	0.00	2.71	12.20	0.00
10/04/2025	10	TL	0942	Lapwing	5	38	20.79	13.56	0.00	0.00	0.00	0.00	2.21	1.44	0.00	0.00	0.00	0.00
10/04/2025	10	TL	1053	Red kite	1	21	0.00	0.00	0.00	0.00	0.00	0.00	21.00	0.00	0.00	0.00	0.00	0.00
10/04/2025	10	TL	1116	Red kite	1	11	7.55	0.00	0.00	0.00	0.00	0.00	3.45	0.00	0.00	0.00	0.00	0.00
10/04/2025	10	TL	1314	Red kite	1	56	0.00	13.82	37.78	0.00	0.00	0.00	0.00	1.18	3.22	0.00	0.00	0.00
10/04/2025	10	TL	1328	Lapwing	1	44	3.14	6.73	0.00	0.00	0.00	0.00	10.86	23.27	0.00	0.00	0.00	0.00
11/04/2025	5	TL	0848	Red kite	1	23	0.00	0.94	0.50	0.00	0.00	0.00	0.00	14.06	7.50	0.00	0.00	0.00
11/04/2025	5	TL	0901	Golden eagle	1	38	0.00	0.00	0.00	25.21	0.00	0.00	0.00	0.00	0.00	12.79	0.00	0.00
11/04/2025	5	TL	1136	Red kite	1	29	0.00	0.00	0.00	0.00	0.00	0.00	29.00	0.00	0.00	0.00	0.00	0.00
11/04/2025	9	JB	1007	Herring gull	3	137	0.00	1.63	3.27	10.03	0.00	0.00	0.00	13.37	26.73	81.97	0.00	0.00
11/04/2025	9	JB	1055	Red kite	1	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00
11/04/2025	9	JB	1059	Red kite	1	180	0.00	0.70	1.41	1.41	4.92	0.00	0.00	14.30	28.59	28.59	100.08	0.00
11/04/2025	9	JB	1142	Red kite	1	480	0.00	178.88	18.50	0.00	0.00	0.00	0.00	256.12	26.50	0.00	0.00	0.00
11/04/2025	9	JB	1228	Red kite	1	240	0.00	13.13	35.02	21.89	0.00	0.00	0.00	31.87	84.98	53.11	0.00	0.00
29/04/2025	4	JB	1054	Curlew	1	40	2.90	8.69	0.00	0.00	0.00	0.00	7.10	21.31	0.00	0.00	0.00	0.00
29/04/2025	4	JB	1059	Red kite	1	38	0.00	0.00	9.43	0.00	0.00	0.00	0.00	0.00	28.57	0.00	0.00	0.00
01/05/2025	1	TH	0922	Red kite	2	70	0.00	6.51	39.07	0.00	0.00	0.00	0.00	3.49	20.93	0.00	0.00	0.00
02/05/2025	7	JB	0828	Hen harrier	1	67	67.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02/05/2025	8	TH	0751	Greylag goose	2	60	18.34	18.34	0.00	0.00	0.00	0.00	11.66	11.66	0.00	0.00	0.00	0.00
06/05/2025	4	TH	0953	Curlew	1	60	0.00	11.79	35.37	0.00	0.00	0.00	0.00	3.21	9.63	0.00	0.00	0.00
06/05/2025	5	TL	1006	Curlew	1	25	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00
06/05/2025	5	TL	1030	Red kite	1	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00	0.00	0.00	0.00	0.00
06/05/2025	9	JB	1028	Red kite	1	140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.00	60.00	0.00	0.00
06/05/2025	9	JB	1032	Red kite	1	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	60.00	75.00	0.00	0.00
06/05/2025	9	JB	1128	Red kite	1	40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	15.00	0.00	0.00	0.00
06/05/2025	9	JB	1150	Red kite	1	120	0.00	0.00	6.42	1.60	4.81	0.00	0.00	0.00	53.58	13.40	40.19	0.00
06/05/2025	9	JB	1348	Red kite	1	240	0.00	0.00	0.00	2.78	33.31	8.33	0.00	0.00	0.00	12.22	146.69	36.67
06/05/2025	9	JB	1358	Merlin	1	180	0.00	14.55	7.28	0.00	0.00	0.00	0.00	105.45	52.72	0.00	0.00	0.00
06/05/2025	9	JB	1359	Red kite	3	90	0.00	0.00	0.00	0.00	0.00	0.00	60.00	30.00	0.00	0.00	0.00	0.00
08/05/2025	7	LW	0930	Red kite	1	40	25.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
08/05/2025	7	LW	1028	Red kite	1	75	9.17	27.52	9.17	0.00	0.00	0.00	5.83	17.48	5.83	0.00	0.00	0.00
08/05/2025	7	LW	1029	Red kite	2	40	5.32	15.95	0.00	0.00	0.00	0.00	4.68	14.05	0.00	0.00	0.00	0.00
08/05/2025	7	LW	1036	Red kite	1	110	0.00	27.94	46.57	27.94	0.00	0.00	0.00	2.06	3.43	2.06	0.00	0.00
08/05/2025	7	LW	1055	Red kite	3	540	0.00	25.31	25.31	0.00	0.00	0.00	0.00	244.69	244.69	0.00	0.00	0.00
08/05/2025	7	LW	1129	Curlew	1	25	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08/05/2025	8	LW	1309	Red kite	1	60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00	0.00	0.00	0.00	0.00
08/05/2025	8	LW	1325	Red kite	2	110	0.03	0.45	0.18	0.00	0.00	0.00	4.97	74.55	29.82	0.00	0.00	0.00
08/05/2025	8	LW	1344	Curlew	1	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00
08/05/2025	8	LW	1423	Red kite	1	35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.00
08/05/2025	10	TL	0846	Red kite	1	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00	0.00	0.00	0.00
08/05/2025	10	TL	0857	Lapwing	1	19	5.74	0.00	0.00	0.00	0.00	0.00	13.26	0.00	0.00	0.00	0.00	0.00
08/05/2025	10	TL	0857	Lapwing	1	19	5.70	0.00	0.00	0.00	0.00	0.00	13.30	0.00	0.00	0.00	0.00	0.00
08/05/2025	10	TL	0858	Red kite	3	32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	30.00	0.00	0.00	0.00
08/05/2025	10	TL	0916	Red kite	1	23	0.00	17.83	0.00	0.00	0.00	0.00	0.00	5.17	0.00	0.00	0.00	0.00
08/05/2025	10	TL	0939	Lapwing	1	39	0.00	0.00	0.00	0.00	0.00	0.00	39.00	0.00	0.00	0.00	0.00	0.00
08/05/2025	10	TL	1005	Lapwing	2	26	0.00	0.00	0.00	0.00	0.00	0.00	26.00	0.00	0.00	0.00	0.00	0.00
08/05/2025	10	TL	1006	Red kite	1	152	12.93	16.51	12.38	0.00	0.00	0.00	34.07	43.49	32.62	0.00	0.00	0.00
08/05/2025	10	TL	1022	Lapwing	1	39	21.21	0.00	0.00	0.00	0.00	0.00	17.79	0.00	0.00	0.00	0.00	0.00
08/05/2025	10	TL	1044	Red kite	4	58	0.00	34.69	0.00	0.00	0.00	0.00	0.00	23.31	0.00	0.00	0.00	0.00
08/05/2025	10	TL	1216	Red kite	3	900	48.02	672.27	0.00	0.00	0.00	0.00	11.98	167.73	0.00	0.00	0.00	0.00
08/05/2025	10	TL	1221	Lapwing	2	36	0.00	0.00	0.00	0.00	0.00	0.00	36.00	0.00	0.00	0.00	0.00	0.00
08/05/2025	10	TL	1244	Lapwing	2	56	9.35	3.42	0.00	0.00	0.00	0.00	31.65	11.58	0.00	0.00	0.00	0.00
08/05/2025	10	TL	1246	Curlew	2	29	0.00	0.00	0.00	0.00	0.00	0.00	29.00	0.00	0.00	0.00	0.00	0.00
08/05/2025	10	TL	1356	Red kite	1	136	0.00	36.82	52.60	0.00	0.00	0.00	0.00	19.18	27.40	0.00	0.00	0.00
08/05/2025	10	TL	1405	Lapwing	2	20	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
09/06/2025	10	JR	0912	Red kite	1	362	70.64	82.48	0.00	0.00	0.00	0.00	96.36	112.52	0.00	0.00	0.00	0.00
09/06/2025	10	JR	0934	Curlew	1	47	32.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09/06/2025	10	JR	0938	Red kite	1	334	39.49	174.65	78.99	0.00	0.00	0.00	5.51	24.35	11.01	0.00	0.00	0.00
09/06/2025	10	JR	0959	Red kite	2	51	4.86	36.47	0.00	0.00	0.00	0.00	1.14	8.53	0.00	0.00	0.00	0.00
09/06/2025	10	JR	1005	Curlew	3	25	15.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09/06/2025	10	JR	1005	Red kite	2	142	19.88	56.42	0.00	0.00	0.00	0.00	17.12	48.58	0.00	0.00	0.00	0.00
09/06/2025	10	JR	1024	Herring gull	6	97	10.10	35.02	20.20	0.00	0.00	0.00	4.90	16.98	9.80	0.00	0.00	0.00
09/06/2025	10	JR	1035	Red kite	1	55	4.26	19.17	0.00	0.00	0.00	0.00	5.74	25.83	0.00	0.00	0.00	0.00
09/06/2025	10	JR	1042	Curlew	1	41	0.00	0.00	0.00	0.00	0.00	0.00	15.00	26.00	0.00	0.00	0.00	0.00
09/06/2025	10	JR	1042	Herring gull	1	72	8.50	14.16	0.00	0.00	0.00	0.00	18.50	30.84	0.00	0.00	0.00	0.00
09/06/2025	10	JR	1055	Curlew	2	55	1.53	4.08	0.00	0.00	0.00	0.00	13.47	35.92	0.00	0.00	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
09/06/2025	10	JR	1202	Red kite	1	131	0.00	37.72	27.60	55.19	0.00	0.00	0.00	3.28	2.40	4.81	0.00	0.00
09/06/2025	10	JR	1318	Red kite	1	27	0.00	6.55	0.00	0.00	0.00	0.00	0.00	20.45	0.00	0.00	0.00	0.00
09/06/2025	10	JR	1318	Curlew	1	14	7.89	0.00	0.00	0.00	0.00	0.00	6.11	0.00	0.00	0.00	0.00	0.00
12/06/2025	7	LW	0908	Red kite	1	20	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/06/2025	7	LW	0919	Curlew	1	70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	45.00	0.00	0.00	0.00
12/06/2025	7	LW	0928	Red kite	1	55	7.15	21.44	10.72	0.00	0.00	0.00	2.85	8.56	4.28	0.00	0.00	0.00
12/06/2025	7	LW	0929	Red kite	1	20	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/06/2025	7	LW	0942	Red kite	1	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	15.00	0.00	0.00	0.00
12/06/2025	7	LW	1009	Red kite	1	40	0.00	35.41	0.00	0.00	0.00	0.00	0.00	4.59	0.00	0.00	0.00	0.00
12/06/2025	7	LW	1023	Red kite	3	180	0.00	0.00	0.00	0.00	0.00	0.00	15.00	90.00	60.00	15.00	0.00	0.00
12/06/2025	7	LW	1038	Red kite	1	150	0.00	97.33	24.33	0.00	0.00	0.00	0.00	22.67	5.67	0.00	0.00	0.00
12/06/2025	7	LW	1053	Curlew	1	5	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/06/2025	7	LW	1122	Curlew	1	25	25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/06/2025	7	LW	1124	Red kite	1	30	0.00	29.16	0.00	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00	0.00
12/06/2025	7	LW	1132	Red kite	1	75	45.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/06/2025	7	LW	1143	Red kite	1	120	0.00	73.35	24.45	0.00	0.00	0.00	0.00	16.65	5.55	0.00	0.00	0.00
12/06/2025	7	LW	1221	Hen harrier	1	600	300.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/06/2025	7	LW	1224	Red kite	1	120	17.74	53.22	0.00	0.00	0.00	0.00	12.26	36.78	0.00	0.00	0.00	0.00
12/06/2025	7	LW	1239	Hen harrier	1	190	145.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/06/2025	7	LW	1300	Curlew	2	20	4.78	14.33	0.00	0.00	0.00	0.00	0.22	0.67	0.00	0.00	0.00	0.00
12/06/2025	7	LW	1312	Hen harrier	1	80	50.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/06/2025	7	LW	1327	Hen harrier	1	200	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/06/2025	7	LW	1339	Red kite	1	90	26.57	26.57	0.00	0.00	0.00	0.00	18.43	18.43	0.00	0.00	0.00	0.00
12/06/2025	7	LW	1404	Hen harrier	3	300	226.44	56.61	0.00	0.00	0.00	0.00	13.56	3.39	0.00	0.00	0.00	0.00
12/06/2025	7	LW	1429	Red kite	1	25	23.52	0.00	0.00	0.00	0.00	0.00	1.48	0.00	0.00	0.00	0.00	0.00
13/06/2025	2	LW	1109	Golden plover	2	10	8.28	0.00	0.00	0.00	0.00	0.00	1.72	0.00	0.00	0.00	0.00	0.00
13/06/2025	2	LW	1145	Red kite	2	150	3.90	13.64	1.95	0.00	0.00	0.00	26.10	91.36	13.05	0.00	0.00	0.00
13/06/2025	2	LW	1314	Red kite	1	40	0.00	30.15	0.00	0.00	0.00	0.00	0.00	9.85	0.00	0.00	0.00	0.00
13/06/2025	3	JB	1109	Golden plover	2	6	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00
13/06/2025	3	JB	1149	Red kite	1	50	0.35	0.81	0.00	0.00	0.00	0.00	14.65	34.19	0.00	0.00	0.00	0.00
17/06/2025	9	JB	0954	Red kite	1	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00
17/06/2025	9	JB	1133	Red kite	1	120	0.00	9.90	29.70	0.00	0.00	0.00	0.00	20.10	60.30	0.00	0.00	0.00
17/06/2025	9	JB	1159	Red kite	1	60	0.00	3.77	1.26	0.00	0.00	0.00	0.00	41.23	13.74	0.00	0.00	0.00
17/06/2025	9	JB	1253	Red kite	2	160	0.00	16.86	73.06	0.00	0.00	0.00	0.00	13.14	56.94	0.00	0.00	0.00
17/06/2025	9	JB	1326	Red kite	1	150	0.00	0.00	0.00	0.00	0.00	0.00	45.00	90.00	15.00	0.00	0.00	0.00
19/06/2025	4	TH	1452	Curlew	2	30	21.32	0.00	0.00	0.00	0.00	0.00	8.68	0.00	0.00	0.00	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
28/07/2025	8	LS	1315	Peregrine falcon	1	38	8.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28/07/2025	8	LS	1520	Red kite	1	175	0.00	39.35	13.62	0.00	0.00	0.00	0.00	90.65	31.38	0.00	0.00	0.00
28/07/2025	8	LS	1526	Red kite	1	129	0.00	123.57	0.00	0.00	0.00	0.00	0.00	5.43	0.00	0.00	0.00	0.00
29/07/2025	5	LML	1123	Red kite	3	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	45.00	5.00	0.00	0.00
29/07/2025	5	LML	1153	Red kite	1	196	131.98	39.33	0.00	0.00	0.00	0.00	19.02	5.67	0.00	0.00	0.00	0.00
29/07/2025	5	LML	1153	Red kite	1	89	15.00	74.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29/07/2025	5	LML	1206	Red kite	1	599	41.90	42.47	135.89	118.90	0.00	0.00	32.10	32.53	104.11	91.10	0.00	0.00
29/07/2025	7	IH	1047	Red kite	1	240	15.00	45.00	180.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29/07/2025	7	IH	1142	Red kite	1	35	0.00	32.20	0.00	0.00	0.00	0.00	0.00	2.80	0.00	0.00	0.00	0.00
29/07/2025	7	IH	1221	Red kite	2	210	0.00	3.41	44.36	0.00	0.00	0.00	0.00	11.59	150.64	0.00	0.00	0.00
29/07/2025	9	LS	0926	Curlew	3	42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.00	15.00	0.00	0.00	0.00
30/07/2025	10	EB	0904	Red kite	2	205	1.51	1.58	0.00	0.00	0.00	0.00	98.49	103.42	0.00	0.00	0.00	0.00
30/07/2025	10	EB	0921	Red kite	2	95	0.00	0.00	0.00	0.00	0.00	0.00	60.00	35.00	0.00	0.00	0.00	0.00
30/07/2025	10	EB	1016	Red kite	1	48	0.00	27.99	12.72	0.00	0.00	0.00	0.00	5.01	2.28	0.00	0.00	0.00
30/07/2025	10	EB	1026	Red kite	4	255	31.07	35.51	8.88	0.00	0.00	0.00	73.93	84.49	21.12	0.00	0.00	0.00
30/07/2025	10	EB	1041	Red kite	3	130	14.05	17.17	9.37	0.00	0.00	0.00	30.95	37.83	20.63	0.00	0.00	0.00
30/07/2025	10	EB	1048	Curlew	1	28	1.43	1.65	0.00	0.00	0.00	0.00	11.57	13.35	0.00	0.00	0.00	0.00
30/07/2025	10	EB	1106	Red kite	2	122	14.52	8.48	0.00	0.00	0.00	0.00	62.48	36.52	0.00	0.00	0.00	0.00
30/07/2025	10	EB	1116	Curlew	1	25	0.87	1.30	0.00	0.00	0.00	0.00	9.13	13.70	0.00	0.00	0.00	0.00
30/07/2025	10	EB	1148	Red kite	1	65	35.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30/07/2025	10	EB	1227	Red kite	1	52	0.00	0.00	0.00	0.00	0.00	0.00	30.00	22.00	0.00	0.00	0.00	0.00
30/07/2025	10	EB	1228	Red kite	2	245	25.05	91.86	87.68	0.00	0.00	0.00	4.95	18.14	17.32	0.00	0.00	0.00
30/07/2025	10	EB	1241	Curlew	3	85	0.00	23.38	56.12	0.00	0.00	0.00	0.00	1.62	3.88	0.00	0.00	0.00
30/07/2025	10	EB	1350	Red kite	1	72	0.00	11.38	18.97	0.00	0.00	0.00	0.00	15.62	26.03	0.00	0.00	0.00
30/07/2025	10	EB	1403	Red kite	1	60	0.00	0.00	0.00	0.00	0.00	0.00	15.00	45.00	0.00	0.00	0.00	0.00
30/07/2025	10	EB	1407	Red kite	2	270	0.00	109.09	136.36	0.00	0.00	0.00	0.00	10.91	13.64	0.00	0.00	0.00
30/07/2025	10	EB	1436	Red kite	1	32	0.00	0.00	0.00	0.00	0.00	0.00	32.00	0.00	0.00	0.00	0.00	0.00
31/07/2025	1	TH	1004	Red kite	2	105	0.00	5.31	13.28	0.00	0.00	0.00	0.00	24.69	61.72	0.00	0.00	0.00
31/07/2025	4	EB	1406	Red kite	1	155	30.31	17.68	30.31	0.00	0.00	0.00	29.69	17.32	29.69	0.00	0.00	0.00
31/07/2025	8	LML	1131	Red kite	1	176	32.33	22.55	11.28	0.00	0.00	0.00	53.67	37.45	18.72	0.00	0.00	0.00
31/07/2025	8	LML	1333	Red kite	1	170	20.98	26.22	12.24	0.00	0.00	0.00	39.02	48.78	22.76	0.00	0.00	0.00
31/07/2025	8	LML	1401	Red kite	1	140	108.85	29.69	0.00	0.00	0.00	0.00	1.15	0.31	0.00	0.00	0.00	0.00
31/07/2025	8	LML	1402	Curlew	6	37	37.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31/07/2025	8	LML	1441	Red kite	3	467	86.29	47.07	31.38	79.49	0.00	0.00	78.71	42.93	28.62	72.51	0.00	0.00
31/07/2025	8	LML	1446	Curlew	7	30	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31/07/2025	8	LML	1450	Red kite	1	143	36.68	57.91	43.44	0.00	0.00	0.00	1.32	2.09	1.56	0.00	0.00	0.00



Date	VP	Observer	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA ¹ (seconds)						Outside CRAA ¹ (seconds)					
							0-20m	21-40m	41-100m	101-150m	151-200 m	>200m	0-20m	21-40m	41-100m	101-150m	151-200m	>200m
12/08/2025	2	ENS	1420	Peregrine falcon	1	20	5.00	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12/08/2025	3	IH	0902	Red kite	1	690	76.18	12.70	292.01	203.13	0.00	0.00	13.82	2.30	52.99	36.87	0.00	0.00
12/08/2025	3	IH	0902	Red kite	1	180	8.68	8.68	86.83	0.00	0.00	0.00	6.32	6.32	63.17	0.00	0.00	0.00
12/08/2025	3	IH	0909	Red kite	1	120	13.94	0.00	97.57	0.00	0.00	0.00	1.06	0.00	7.43	0.00	0.00	0.00
12/08/2025	3	IH	0947	Red kite	1	780	0.00	0.00	0.00	0.00	0.00	0.00	120.00	60.00	60.00	90.00	60.00	390.00
12/08/2025	3	IH	1131	Red kite	1	45	0.00	11.75	0.00	0.00	0.00	0.00	0.00	33.25	0.00	0.00	0.00	0.00
12/08/2025	3	IH	1258	Red kite	1	210	3.15	12.59	6.29	9.44	12.59	0.00	11.85	47.41	23.71	35.56	47.41	0.00
12/08/2025	3	IH	1352	Red kite	1	33	0.00	0.00	0.00	0.00	0.00	0.00	3.00	30.00	0.00	0.00	0.00	0.00
12/08/2025	3	IH	1418	Peregrine falcon	1	120	8.75	26.25	8.75	17.50	8.75	0.00	6.25	18.75	6.25	12.50	6.25	0.00
14/08/2025	4	ENS	1101	Hen harrier	1	57	13.31	26.63	10.65	0.00	0.00	0.00	1.69	3.37	1.35	0.00	0.00	0.00
14/08/2025	4	ENS	1310	Red kite	1	242	40.06	56.09	33.12	0.00	0.00	0.00	34.94	48.91	28.88	0.00	0.00	0.00
14/08/2025	4	ENS	1318	Red kite	1	215	0.00	35.51	16.39	32.78	32.78	0.00	0.00	29.49	13.61	27.22	27.22	0.00
18/08/2025	1	LW	0951	Merlin	1	45	0.00	0.00	0.00	0.00	0.00	0.00	15.00	30.00	0.00	0.00	0.00	0.00
18/08/2025	1	LW	1001	Red kite	1	70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	40.00	0.00	0.00	0.00
19/08/2025	7	JB	0958	Merlin	1	60	28.75	28.75	0.00	0.00	0.00	0.00	1.25	1.25	0.00	0.00	0.00	0.00
19/08/2025	8	LW	0948	Red kite	1	60	0.00	4.04	4.04	0.00	0.00	0.00	0.00	25.96	25.96	0.00	0.00	0.00
19/08/2025	8	LW	1117	Merlin	2	50	36.42	4.05	0.00	0.00	0.00	0.00	8.58	0.95	0.00	0.00	0.00	0.00
19/08/2025	8	LW	1244	Red kite	1	45	0.00	0.00	0.00	0.00	0.00	0.00	30.00	15.00	0.00	0.00	0.00	0.00
20/08/2025	5	LML	1341	Red kite	3	163	8.53	8.53	4.26	4.26	20.75	0.00	21.47	21.47	10.74	10.74	52.25	0.00
20/08/2025	5	LML	1349	Golden eagle	1	73	0.00	48.16	0.00	0.00	0.00	0.00	0.00	24.84	0.00	0.00	0.00	0.00
20/08/2025	5	LML	1410	Red kite	1	59	0.00	0.00	0.00	0.00	0.00	0.00	44.00	15.00	0.00	0.00	0.00	0.00
20/08/2025	5	LML	1539	Red kite	1	83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.00	45.00	0.00	0.00	0.00
25/08/2025	1	LML	1047	Red kite	1	120	9.58	0.00	28.73	38.31	0.00	0.00	5.42	0.00	16.27	21.69	0.00	0.00
25/08/2025	1	LML	1119	Red kite	1	165	23.99	23.99	39.98	0.00	0.00	0.00	21.02	21.02	35.03	0.00	0.00	0.00
26/08/2025	5	LML	1103	Red kite	1	63	46.85	14.64	0.00	0.00	0.00	0.00	1.15	0.36	0.00	0.00	0.00	0.00



B.2 Black Grouse

Table B-2 details all black grouse records with lek numbers indicated where appropriate.

Table B-2: Black grouse activity records

Date	Survey type	Survey visit	No. males	No. females	No. unsexed	Lek ID	Notes
07/03/2024	VP 1	-	1	-	-	-	Flushed.
07/03/2024	VP 1	-	2	-	-	-	Flushed.
22/03/2024	VP 5	-	1	-	-	-	Flushed adjacent to the track whilst leaving the survey area.

B.3 Raptors and Owls

Table B-3 details all records of target raptors and owls recorded during the breeding and non-breeding seasons. Refer to Confidential Technical Appendix 7.2 (Volume 4, EIAR) for confidential data relating to barn owl, hen harrier, merlin, red kite and short-eared owl.

Table B-3: Target raptor and owl records

Date	Survey type	Survey visit	Species	Number recorded	Sex	Age	Nest/ roost ID	Notes
27/11/2023	WWO	1	Goshawk	1	-	Immature	-	
28/11/2023	WWO	1	Peregrine falcon	1	-	Adult	-	Took off from a fencepost.
28/11/2023	WWO	1	Red kite	2	-	-	-	
09/01/2024	VP 4	-	Red kite	1	-	-	-	Observed whilst travelling to survey location.
09/01/2024	VP 4	-	Red kite	1	-	-	-	Observed whilst travelling to survey location.
12/01/2024	WWO	2	Hen harrier	1	Ringtail	-	-	
12/01/2024	WWO	2	Red kite	1	-	-	-	
29/01/2024	WWO	2	Hen harrier	1	Male	Adult	-	
29/01/2024	WWO	2	Red kite	1	-	-	-	
29/01/2024	WWO	2	Red kite	1	-	-	-	
29/01/2024	WWO	2	Red kite	1	-	-	-	
29/01/2024	WWO	2	Red kite	1	-	-	-	
19/02/2024	WWO	3	Red kite	1	-	-	-	
20/02/2024	WWO	3	Red kite	1	-	-	-	
20/02/2024	WWO	3	Red kite	1	-	-	-	
29/02/2024	VP 5	-	Red kite	1	-	-	-	Observed during break between survey sessions.



Date	Survey type	Survey visit	Species	Number recorded	Sex	Age	Nest/ roost ID	Notes
18/03/2024	SBBS	1	Peregrine falcon	1	Male	Adult	-	
18/03/2024	SBBS	1	Red kite	1	-	-	-	
19/03/2024	SBBS	1	Golden eagle	1	-	Immature	-	Mobbed by a buzzard and kestrel.
19/03/2024	SBBS	1	Golden eagle	1	-	Immature	-	Same bird as above; continuation of flight.
19/03/2024	SBBS	1	Red kite	1	-	-	-	
19/03/2024	SBBS	1	Red kite	1	-	-	-	
19/03/2024	SBBS	1	Red kite	1	-	-	-	Displaying.
20/03/2024	SBBS	1	Red kite	1	-	-	-	
20/03/2024	SBBS	1	Red kite	2	-	-	-	Displaying.
20/03/2024	SBBS	1	Red kite	2	-	-	-	
21/03/2024	SBBS	1	Red kite	1	-	-	-	
25/03/2024	SBBS	1	Red kite	1	-	-	-	
01/04/2024	SBBS	2	Peregrine falcon	1	Male	Adult	-	Hunting.
01/04/2024	SBBS	2	Red kite	1	-	-	-	Hunting.
01/04/2024	VP 3	-	Red kite	1	-	Adult	-	
02/04/2024	SBBS	2	Red kite	2	-	-	-	
02/04/2024	SBBS	2	Red kite	1	-	-	-	
03/04/2024	SBBS	2	Red kite	1	-	Adult	-	Hunting.
04/04/2024	SBBS	2	Red kite	1	-	-	-	
04/04/2024	SBBS	2	Red kite	1	-	-	-	
08/04/2024	BBS	1	Hen harrier	1	Female	Adult	HH_1	
08/04/2024	BBS	1	Red kite	1	-	-	-	
08/04/2024	BBS	1	Red kite	1	-	-	-	
08/04/2024	BBS	1	Red kite	1	-	-	-	
08/04/2024	BBS	1	Red kite	1	-	-	-	



Date	Survey type	Survey visit	Species	Number recorded	Sex	Age	Nest/ roost ID	Notes
08/04/2024	BBS	1	Short-eared owl	1	-	-	-	Same bird as below
08/04/2024	BBS	1	Short-eared owl	1	-	-	-	
09/04/2024	BBS	1	Hen harrier	1	Male	Adult	-	
09/04/2024	BBS	1	Peregrine falcon	1	-	-	-	
09/04/2024	BBS	1	Red kite	1	-	-	-	
09/04/2024	BBS	1	Red kite	1	-	-	-	
09/04/2024	BBS	1	Red kite	1	-	-	-	
10/04/2024	BBS	1	Red kite	1	-	-	-	Mobbed by 2 lapwings
10/04/2024	BBS	1	Red kite	2	-	-	-	
10/04/2024	BBS	1	Red kite	1	-	-	-	
10/04/2024	BBS	1	Red kite	1	-	-	-	
11/04/2024	BBS	1	Hen harrier	1	Ringtail	-	-	
11/04/2024	BBS	1	Hen harrier	1	Male	Adult	-	
11/04/2024	BBS	1	Red kite	1	-	-	-	
11/04/2024	BBS	1	Red kite	1	-	-	-	
11/04/2024	BBS	1	Hen harrier	1	Female	Adult	-	
11/04/2024	BBS	1	Hen harrier	1	Female	Adult	-	
11/04/2024	BBS	1	Red kite	1	-	-	-	
11/04/2024	BBS	1	Red kite	1	-	-	-	
11/04/2024	BBS	1	Red kite	1	-	-	-	
12/04/2024	BK	1	Hen harrier	2	Male	Adult	-	
12/04/2024	BK	1	Red kite	1	-	-	-	
12/04/2024	BK	1	Hen harrier	1	-	-	-	
12/04/2024	BK	1	Short-eared owl	1	-	-	-	
15/04/2024	SBBS	2	Goshawk	1	-	-	-	Hunting.



Date	Survey type	Survey visit	Species	Number recorded	Sex	Age	Nest/ roost ID	Notes
15/04/2024	SBBS	2	Hen harrier	1	Male	Adult	-	Hunting.
15/04/2024	SBBS	2	Red kite	1	-	-	-	Hunting.
15/04/2024	SBBS	2	Red kite	1	-	-	-	Hunting.
15/04/2024	SBBS	2	Red kite	1	-	-	-	Hunting.
16/04/2024	SBBS	2	Hen harrier	1	Male	Adult	HH_1	Hunting; potentially a pair along with below
16/04/2024	SBBS	2	Hen harrier	1	Female	Adult	HH_1	Hunting; potentially a pair along with above
16/04/2024	SBBS	2	Red kite	2	-	-	-	Pair.
17/04/2024	SBBS	2	Hen harrier	2	Male/female	Adult	HH_2	Prospecting; different pair from HH_1; male displaying.
17/04/2024	SBBS	2	Hen harrier	2	Male/female	Adult	-	Prospecting; different pair from HH_1; male displaying.
17/04/2024	SBBS	2	Red kite	1	-	Adult	-	
17/04/2024	SBBS	2	Red kite	1	-	Immature	-	
18/04/2024	SBBS	2	Merlin	1	Male	Adult	-	Hunting.
18/04/2024	SBBS	2	Red kite	1	-	-	-	Hunting.
18/04/2024	SBBS	2	Red kite	2	-	-	-	Hunting.
06/05/2024	BBS	2	Red kite	1	-	Adult	-	
06/05/2024	BBS	2	Red kite	1	-	-	-	
06/05/2024	BBS	2	Short-eared owl	1	-	-	SE_1	
09/05/2024	BBS	2	Red kite	1	-	-	-	
09/05/2024	BBS	2	Red kite	1	-	-	-	
09/05/2024	BBS	2	Red kite	4	-	-	-	
09/05/2024	BBS	2	Red kite	3	-	-	-	
09/05/2024	BBS	2	Red kite	2	-	-	-	
09/05/2024	BBS	2	Red kite	2	-	Immature	-	
09/05/2024	BBS	2	Hen harrier	1	Male	Adult	-	
09/05/2024	BBS	2	Red kite	2	-	-	-	



Date	Survey type	Survey visit	Species	Number recorded	Sex	Age	Nest/ roost ID	Notes
09/05/2024	BBS	2	Red kite	1	-	-	-	
09/05/2024	BBS	2	Red kite	1	-	-	-	
09/05/2024	BBS	2	Red kite	1	-	-	-	
09/05/2024	BBS	2	Red kite	1	-	-	-	
09/05/2024	BBS	2	Red kite	3	-	-	-	
09/05/2024	BBS	2	Red kite	1	-	-	-	
10/05/2024	BK	2	Red kite	1	-	-	-	
15/05/2024	BBS	2	Hen harrier	1	Male	Adult	HH_1	
15/05/2024	BBS	2	Red kite	1	-	-	-	
15/05/2024	BBS	2	Red kite	2	-	-	-	
15/05/2024	BBS	2	Golden eagle	1	-	Immature	-	
15/05/2024	BBS	2	Red kite	1	-	-	-	
15/05/2024	BBS	2	Red kite	1	-	-	-	
15/05/2024	BBS	2	Red kite	1	-	-	-	
15/05/2024	BBS	2	Red kite	1	-	-	-	
15/05/2024	BBS	2	Red kite	2	-	-	-	
15/05/2024	BBS	2	Red kite	1	-	-	-	
15/05/2024	BBS	2	Red kite	1	-	-	-	
16/05/2024	BK	2	Red kite	2	-	-	-	
20/05/2024	SBBS	3	Golden eagle	1	-	Immature	-	Same bird as below.
20/05/2024	SBBS	3	Golden eagle	1	-	Immature	-	Mobbed by a pair of hen harrier and buzzards.
20/05/2024	SBBS	3	Goshawk	1	Female	Adult	-	
20/05/2024	SBBS	3	Hen harrier	1	Male	Adult	HH_1	Mobbing a buzzard;
20/05/2024	SBBS	3	Hen harrier	1	Female	Adult	HH_1	One member of a pair along with below; in suitable breeding habitat and behaving aggressively towards other raptors.
20/05/2024	SBBS	3	Hen harrier	1	Male	Adult	HH_1	One member of a pair along with above; in suitable breeding habitat and behaving aggressively towards other raptors.



Date	Survey type	Survey visit	Species	Number recorded	Sex	Age	Nest/ roost ID	Notes
20/05/2024	SBBS	3	Red kite	2	-	Adult/immature	-	Hunting.
20/05/2024	SBBS	3	Red kite	1	-	-	-	Hunting.
20/05/2024	SBBS	3	Red kite	4	-	Adult/immature	-	2 adults and 2 immature birds; mobbed by a pair of hen harrier
20/05/2024	SBBS	3	Red kite	1	-	-	-	Hunting.
21/05/2024	SBBS	3	Red kite	1	-	-	-	Hunting.
21/05/2024	SBBS	3	Red kite	2	-	-	-	Hunting.
27/05/2024	SBBS	3	Red kite	1	-	-	-	
27/05/2024	SBBS	3	Red kite	2	-	Adult	-	Hunting.
28/05/2024	SBBS	3	Osprey	1	-	Adult	-	Hunting.
28/05/2024	SBBS	3	Red kite	2	-	Adult/immature	-	
29/05/2024	SBBS	3	Golden eagle	1	-	Immature	-	Initially perched but disturbed and mobbed by 3 red kite
29/05/2024	SBBS	3	Red kite	3	-	-	-	Mobbing a golden eagle
29/05/2024	SBBS	3	Red kite	2	-	Immature	-	
29/05/2024	SBBS	3	Red kite	1	-	Adult	-	
30/05/2024	SBBS	3	Red kite	2	-	Immature	-	Hunting.
30/05/2024	SBBS	3	Red kite	1	-	Immature	-	
31/05/2024	SBBS	3	Golden eagle	1	-	Immature	-	Mobbed by a raven.
31/05/2024	SBBS	3	Red kite	2	-	Immature	-	Hunting.
03/06/2024	BBS	3	Hen harrier	1	Female	Adult	-	
03/06/2024	BBS	3	Red kite	1	-	-	-	
03/06/2024	BBS	3	Red kite	2	-	-	-	
03/06/2024	BBS	3	Red kite	1	-	-	-	
03/06/2024	BBS	3	Red kite	1	-	-	-	
03/06/2024	BBS	3	Red kite	2	-	-	-	
03/06/2024	BBS	3	Red kite	1	-	-	-	
04/06/2024	BBS	3	Hen harrier	1	Male	Adult	-	



Date	Survey type	Survey visit	Species	Number recorded	Sex	Age	Nest/ roost ID	Notes
04/06/2024	BBS	3	Hen harrier	1	Male	Adult	-	
04/06/2024	BBS	3	Red kite	1	-	-	-	
04/06/2024	BBS	3	Red kite	1	-	-	-	
04/06/2024	BBS	3	Red kite	1	-	-	-	
04/06/2024	BBS	3	Red kite	1	-	-	-	
05/06/2024	BBS	3	Hen harrier	1	Male	Adult	-	
05/06/2024	BBS	3	Hen harrier	1	Male	Adult	-	
05/06/2024	BBS	3	Hen harrier	1	Male	Adult	-	
05/06/2024	BBS	3	Red kite	1	-	-	-	
05/06/2024	BBS	3	Red kite	2	-	-	-	
05/06/2024	BBS	3	Red kite	1	-	-	-	
05/06/2024	BBS	3	Red kite	1	-	-	-	
05/06/2024	BBS	3	Red kite	1	-	-	-	
05/06/2024	BBS	3	Hen harrier	1	Female	Adult	-	
05/06/2024	BBS	3	Red kite	1	-	-	-	
05/06/2024	BBS	3	Red kite	2	-	-	-	
06/06/2024	BBS	3	Red kite	1	-	-	-	
06/06/2024	BBS	3	Red kite	1	-	-	-	
06/06/2024	VP 9	-	Red kite	1	-	-	-	Recorded outwith VP survey hours.
06/06/2024	VP 9	-	Red kite	1	-	-	-	Recorded outwith VP survey hours.
17/06/2024	SBBS	4	Red kite	1	-	Immature	-	
17/06/2024	SBBS	4	Red kite	1	-	Immature	-	
17/06/2024	SBBS	4	Red kite	1	-	Immature	-	
18/06/2024	SBBS	4	Red kite	1	-	Adult	-	
18/06/2024	SBBS	4	Red kite	2	-	Adult	KT_R1	Leaving a potential roost location.



Date	Survey type	Survey visit	Species	Number recorded	Sex	Age	Nest/ roost ID	Notes
18/06/2024	SBBS	4	Short-eared owl	1	-	-	SE_1	Alarm calling.
19/06/2024	SBBS	4	Red kite	1	-	Adult	-	
19/06/2024	SBBS	4	Red kite	1	-	Immature	-	
26/06/2024	SBBS	4	Red kite	1	-	-	KT_R1	
27/06/2024	SBBS	4	Red kite	1	-	-	-	
27/06/2024	SBBS	4	Red kite	2	-	-	-	
27/06/2024	SBBS	4	Red kite	3	-	-	-	
03/07/2024	BBS	4	Red kite	2	-	-	-	
03/07/2024	BBS	4	Red kite	1	-	-	-	
03/07/2024	BBS	4	Red kite	1	-	-	-	
03/07/2024	BBS	4	Golden eagle	1	-	-	-	
03/07/2024	BBS	4	Red kite	2	-	-	-	
03/07/2024	BBS	4	Red kite	1	-	-	-	
04/07/2024	BBS	4	Red kite	1	-	-	-	
04/07/2024	BBS	4	Red kite	1	-	-	-	
04/07/2024	BBS	4	Red kite	1	-	-	-	
04/07/2024	BBS	4	Red kite	1	-	-	-	
04/07/2024	BBS	4	Red kite	1	-	-	-	
04/07/2024	BBS	4	Red kite	1	-	-	-	
04/07/2024	BBS	4	Red kite	1	-	-	-	
04/07/2024	BBS	4	Red kite	1	-	-	-	
04/07/2024	BBS	4	Red kite	1	-	-	-	
04/07/2024	BBS	4	Red kite	1	-	-	-	
04/07/2024	BBS	4	Red kite	1	-	-	-	
05/07/2024	BBS	4	Red kite	1	-	-	-	
05/07/2024	BBS	4	Red kite	1	-	-	-	
08/07/2024	SBBS	5	Golden eagle	1	-	Immature	-	Satellite-tagged bird; mobbed by a raven.



Date	Survey type	Survey visit	Species	Number recorded	Sex	Age	Nest/ roost ID	Notes
08/07/2024	SBBS	5	Red kite	2	-	Adult/immature	-	Hunting.
08/07/2024	SBBS	5	Red kite	1	-	-	-	
09/07/2024	SBBS	5	Golden eagle	1	-	Immature	-	
09/07/2024	SBBS	5	Golden eagle	1	-	Immature	-	
09/07/2024	SBBS	5	Hen harrier	1	Male	Adult	HH_1	
10/07/2024	SBBS	5	Red kite	1	-	-	-	Hunting.
11/07/2024	SBBS	5	Golden eagle	1	-	Immature	-	
11/07/2024	SBBS	5	Red kite	1	-	-	-	Hunting; mobbed by a kestrel; remained in the area for over an hour.
11/07/2024	SBBS	5	Red kite	1	-	-	KT_R1	Perched on a tree at the edge of the wood.
01/08/2024	VP 3	-	Red kite	2	-	-	-	Recorded outwith survey hours.
14/08/2024	SBBS	6	Red kite	2	-	Adult	-	
03/09/2024	VP 3	-	Red kite	5	-	-	-	Family group; observed flying together for an hour outwith the survey area.
30/09/2024	VP 14	-	Golden eagle	1	-	-	-	Observed whilst travelling to the survey location.
04/11/2024	VP 14	-	Red kite	1	-	-	-	Observed whilst travelling to the survey location.
05/11/2024	VP 10	-	Red kite	1	-	-	-	Flushed from a fencepost upon arrival at the survey location.
21/11/2024	WWO	4	Red kite	1	-	-	-	
21/11/2024	WWO	4	Red kite	1	-	-	-	
22/11/2024	WWO	4	Red kite	1	-	-	-	
22/11/2024	WWO	4	Red kite	2	-	-	-	
20/12/2024	VP 4	-	Red kite	1	-	-	-	Feeding on a deer carcass.
22/01/2025	WWO	5	Red kite	1	-	Adult	-	
22/01/2025	WWO	5	Red kite	1	-	Adult	-	
23/01/2025	WWO	5	Red kite	1	-	Adult	-	
23/01/2025	WWO	5	Red kite	1	-	-	-	
23/01/2025	WWO	5	Red kite	1	-	-	-	
06/02/2025	VP 2	-	Red kite	1	-	-	-	Observed whilst returning to the vehicle after the survey.



Date	Survey type	Survey visit	Species	Number recorded	Sex	Age	Nest/ roost ID	Notes
11/03/2025	VP 4	-	Red kite	1	-	-	-	Calling; observed whilst travelling to the survey location.
19/03/2025	SBBS	7	Merlin	1	Male	Adult	-	
19/03/2025	SBBS	7	Red kite	1	-	-	-	
19/03/2025	SBBS	7	Red kite	1	-	-	-	
19/03/2025	SBBS	7	Red kite	3	-	-	-	
19/03/2025	SBBS	7	Red kite	2	-	-	-	
20/03/2025	SBBS	7	Goshawk	1	Female	Adult	-	
20/03/2025	SBBS	7	Red kite	2	-	-	-	
20/03/2025	SBBS	7	Red kite	2	-	-	-	
20/03/2025	SBBS	7	Red kite	2	-	-	-	
20/03/2025	VP 8	-	Red kite	1	-	-	-	Recorded outwith VP survey hours.
21/03/2025	SBBS	7	Red kite	1	-	-	-	
21/03/2025	SBBS	7	Red kite	1	-	-	-	
01/04/2025	BBS	5	Red kite	2	-	-	-	
01/04/2025	BBS	5	Red kite	2	-	-	-	
01/04/2025	BBS	5	Red kite	1	-	-	-	
01/04/2025	BBS	5	Red kite	1	-	-	-	
01/04/2025	SBBS	8	Red kite	2	Male/female	Adult	-	Pair; displaying.
01/04/2025	SBBS	8	Red kite	2	-	-	-	
01/04/2025	SBBS	8	Red kite	1	-	Adult	-	
01/04/2025	SBBS	8	Hen harrier	1	Female	Adult	-	
01/04/2025	SBBS	8	Merlin	1	Male	Adult	-	Took flight.
01/04/2025	SBBS	8	Red kite	1	-	Adult	-	
02/04/2025	BBS	5	Merlin	1	Female/immature	-	-	
02/04/2025	SBBS	8	Peregrine falcon	1	-	-	-	



Date	Survey type	Survey visit	Species	Number recorded	Sex	Age	Nest/ roost ID	Notes
02/04/2025	SBBS	8	Red kite	1	-	-	-	
02/04/2025	SBBS	8	Red kite	1	-	-	-	
02/04/2025	SBBS	8	Red kite	1	-	Adult	-	
02/04/2025	SBBS	8	Red kite	2	-	-	-	
03/04/2025	BBS	5	Golden eagle	1	-	Immature	-	Satellite-tagged bird.
03/04/2025	BBS	5	Red kite	1	-	-	-	
03/04/2025	BBS	5	Red kite	1	-	-	-	
03/04/2025	BBS	5	Red kite	1	-	-	-	
03/04/2025	BBS	5	Golden eagle	1	-	Immature	-	Mobbed by two ravens.
03/04/2025	SBBS	8	Red kite	1	-	Adult	-	
03/04/2025	SBBS	8	Golden eagle	1	-	Immature	-	Satellite-tagged bird; mobbed by a buzzard.
03/04/2025	SBBS	8	Red kite	1	-	-	-	
04/04/2025	BK	3	Red kite	1	-	-	-	
04/04/2025	BK	3	Red kite	2	Male/female	Adult	-	
04/04/2025	BK	3	Barn owl	1	-	-	-	Perched on fencepost adjacent to road.
04/04/2025	BK	3	Short-eared owl	2	-	-	-	Hunting and brief display/interaction
04/04/2025	BK	3	Short-eared owl	1	-	-	-	Hunting.
11/04/2025	VP 9	-	Red kite	2	-	-	-	Hunting; recorded outwith survey hours.
01/05/2025	BK	4	Red kite	1	-	-	-	
02/05/2025	BK	4	Red kite	1	-	Immature	-	
07/05/2025	VP 13	-	Red kite	1	-	-	-	Observed whilst travelling to the survey location.
07/05/2025	VP 14	-	Red kite	1	-	-	-	Observed whilst travelling to the survey location.
12/05/2025	BBS	6	Red kite	1	-	-	-	
12/05/2025	SBBS	9	Red kite	1	-	-	-	
12/05/2025	SBBS	9	Red kite	2	-	-	-	



Date	Survey type	Survey visit	Species	Number recorded	Sex	Age	Nest/ roost ID	Notes
12/05/2025	SBBS	9	Red kite	1	Male	Adult	KT_2	
12/05/2025	SBBS	9	Red kite	5	-	-	-	Hunting. Group comprised mostly of immature birds.
12/05/2025	SBBS	9	Red kite	1	-	Immature	-	Hunting.
12/05/2025	SBBS	9	Red kite	8	-	-	-	5 adults and 3 immatures.
12/05/2025	SBBS	9	Red kite	9	-	-	-	Minimum of 4 immatures.
12/05/2025	SBBS	9	Red kite	1	-	Adult	-	
12/05/2025	SBBS	9	Red kite	2	-	Immature	-	
12/05/2025	SBBS	9	Red kite	3	-	-	-	Hunting.
13/05/2025	BBS	6	Hen harrier	1	-	-	-	
13/05/2025	BBS	6	Red kite	1	-	-	-	
13/05/2025	BBS	6	Red kite	1	-	-	-	
13/05/2025	BBS	6	Red kite	1	-	-	-	
13/05/2025	BBS	6	Red kite	1	-	-	-	
13/05/2025	BBS	6	Red kite	1	-	-	-	
13/05/2025	BBS	6	Red kite	1	-	-	-	
13/05/2025	BBS	6	Red kite	1	-	-	-	
13/05/2025	BBS	6	Red kite	2	-	-	-	
13/05/2025	BBS	6	Red kite	1	-	-	-	
13/05/2025	BBS	6	Red kite	1	-	-	-	
13/05/2025	BBS	6	Red kite	1	-	-	-	
13/05/2025	BBS	6	Red kite	1	-	-	-	
13/05/2025	BBS	6	Red kite	1	-	-	-	
13/05/2025	BBS	6	Red kite	1	-	-	-	
13/05/2025	SBBS	9	Red kite	1	-	Immature	-	Hunting.
13/05/2025	SBBS	9	Red kite	1	-	Immature	-	Hunting.
13/05/2025	SBBS	9	Red kite	2	-	-	-	Displaying.
13/05/2025	SBBS	9	Red kite	1	-	Adult	-	
14/05/2025	BBS	6	Red kite	1	-	-	-	



Date	Survey type	Survey visit	Species	Number recorded	Sex	Age	Nest/ roost ID	Notes
14/05/2025	BBS	6	Red kite	3	-	-	-	
14/05/2025	BBS	6	Red kite	1	-	-	-	
14/05/2025	BBS	6	Red kite	1	-	-	-	
14/05/2025	BBS	6	Red kite	1	-	-	-	
14/05/2025	SBBS	9	Red kite	1	-	-	-	
14/05/2025	SBBS	9	Red kite	1	-	-	-	
14/05/2025	SBBS	9	Red kite	1	-	Adult	-	
14/05/2025	SBBS	9	Red kite	1	-	Immature	-	
14/05/2025	SBBS	9	Red kite	2	-	Immature	-	
15/05/2025	SBBS	9	Red kite	1	-	-	-	Hunting.
10/06/2025	BBS	7	Golden eagle	1	-	Immature	-	Circling over a sheep carcass.
10/06/2025	BBS	7	Red kite	1	-	-	-	
10/06/2025	BBS	7	Red kite	2	-	-	-	Circling over a sheep carcass.
10/06/2025	BBS	7	Red kite	1	-	-	-	
10/06/2025	BBS	7	Red kite	1	-	-	-	
10/06/2025	BBS	7	Red kite	1	-	Immature	-	
10/06/2025	BBS	7	Red kite	1	-	-	-	
11/06/2025	BBS	7	Red kite	1	-	Immature	-	
11/06/2025	BBS	7	Red kite	1	-	Adult	-	
11/06/2025	BBS	7	Red kite	6	-	-	-	
11/06/2025	BBS	7	Red kite	1	-	-	-	
11/06/2025	BBS	7	Red kite	1	-	-	-	
11/06/2025	BBS	7	Red kite	1	-	-	-	
11/06/2025	BBS	7	Red kite	1	-	-	-	
11/06/2025	BBS	7	Red kite	2	Male/female	Adult	-	Aggressive interaction with another red kite
11/06/2025	BBS	7	Red kite	1	-	-	-	



Date	Survey type	Survey visit	Species	Number recorded	Sex	Age	Nest/ roost ID	Notes
11/06/2025	BBS	7	Red kite	1	-	-	-	
11/06/2025	BBS	7	Short-eared owl	1	-	-	-	Flushed from the ground.
11/06/2025	BBS	7	Red kite	1	-	Adult	-	
12/06/2025	BBS	7	Red kite	1	-	-	-	
20/06/2025	VP 12	-	Red kite	1	-	-	-	Mobbed by a lapwing; observed whilst travelling to the survey location.
20/06/2025	VP 12	-	Red kite	2	-	-	-	Aggressive interaction with buzzard; observed whilst travelling to the survey location.
23/06/2025	SBBS	10	Red kite	1	-	-	-	
23/06/2025	SBBS	10	Red kite	2	-	-	-	Pair.
24/06/2025	SBBS	10	Red kite	1	-	-	-	
24/06/2025	SBBS	10	Red kite	1	-	-	-	
24/06/2025	SBBS	10	Red kite	1	-	-	-	
24/06/2025	SBBS	10	Red kite	1	-	-	-	
24/06/2025	SBBS	10	Red kite	1	-	-	-	
25/06/2025	SBBS	10	Hen harrier	1	Female	Adult	-	Hunting.
25/06/2025	SBBS	10	Red kite	1	-	-	-	
25/06/2025	SBBS	10	Red kite	1	-	Immature	-	
25/06/2025	SBBS	10	Red kite	1	-	Immature	-	
25/06/2025	SBBS	10	Red kite	2	-	-	-	
25/06/2025	SBBS	10	Red kite	1	-	-	-	
26/06/2025	SBBS	10	Red kite	1	-	Adult	-	Hunting.
07/07/2025	BBS	8	Red kite	1	-	-	-	
07/07/2025	BBS	8	Red kite	1	-	-	-	
08/07/2025	BBS	8	Red kite	1	-	-	-	
08/07/2025	BBS	8	Red kite	1	-	-	-	
09/07/2025	BBS	8	Red kite	1	-	-	-	



Date	Survey type	Survey visit	Species	Number recorded	Sex	Age	Nest/ roost ID	Notes
09/07/2025	BBS	8	Red kite	1	-	-	-	
10/07/2025	BBS	8	Red kite	1	-	-	-	
10/07/2025	BBS	8	Red kite	1	-	-	-	
11/07/2025	BBS	8	Red kite	1	-	-	-	
11/07/2025	BBS	8	Red kite	1	-	-	-	
14/07/2025	SBBS	11	Red kite	1	-	Adult	KT_2	Hunting.
16/07/2025	SBBS	11	Osprey	1	Male	Adult	-	Hunting.
16/07/2025	SBBS	11	Red kite	1	-	Immature	-	Hunting.
16/07/2025	SBBS	11	Red kite	1	-	Immature	-	Same bird as below
16/07/2025	SBBS	11	Red kite	1	-	Immature	-	Same bird as above (recognisable moulted tail feathers).
16/07/2025	SBBS	11	Red kite	1	-	Adult	-	Hunting;.
16/07/2025	SBBS	11	Red kite	1	-	Adult	-	Hunting.
16/07/2025	SBBS	11	Red kite	1	-	Immature	-	Hunting.
01/08/2025	SBBS	12	Red kite	1	-	Juvenile	-	
01/08/2025	SBBS	12	Red kite	1	-	Adult	-	Hunting.
01/08/2025	SBBS	12	Red kite	1	-	Adult	-	Hunting.
01/08/2025	SBBS	12	Red kite	1	-	Juvenile	KT_2	landed.
01/08/2025	SBBS	12	Red kite	1	-	Juvenile	KT_2	Hunting.
26/08/2025	VP 4	-	Red kite	1	-	Juvenile	-	Observed whilst travelling to the survey location.



B.4 Breeding Waders

Table B-4 details all target wader activity recorded during the breeding seasons.

Table B-4: Wader activity records

Date	Survey type	Survey visit	Species	Number recorded	Notes
19/03/2024	SBBS	1	Curlew	2	Pair; singing.
19/03/2024	SBBS	1	Curlew	1	Singing.
19/03/2024	SBBS	1	Curlew	2	Pair; singing.
19/03/2024	SBBS	1	Curlew	2	Pair; singing.
19/03/2024	SBBS	1	Lapwing	1	Calling.
19/03/2024	SBBS	1	Lapwing	1	
19/03/2024	SBBS	1	Lapwing	2	Pair; singing.
19/03/2024	SBBS	1	Lapwing	2	Pair; singing.
19/03/2024	SBBS	1	Lapwing	2	Pair; singing.
19/03/2024	SBBS	1	Oystercatcher	2	Pair.
19/03/2024	SBBS	1	Oystercatcher	2	Pair.
19/03/2024	SBBS	1	Snipe	1	Singing.
20/03/2024	SBBS	1	Curlew	2	Pair; singing.
20/03/2024	SBBS	1	Curlew	2	Pair; singing.
20/03/2024	SBBS	1	Curlew	2	Pair; singing.
20/03/2024	SBBS	1	Lapwing	2	Pair.
20/03/2024	SBBS	1	Oystercatcher	2	Pair; calling.
20/03/2024	SBBS	1	Snipe	1	Singing.
20/03/2024	SBBS	1	Snipe	1	Singing.
20/03/2024	SBBS	1	Snipe	1	Singing.
22/03/2024	VP 5	-	Lapwing	1	Observed whilst leaving the survey area.
25/03/2024	SBBS	1	Lapwing	2	Pair; singing.
02/04/2024	SBBS	2	Curlew	1	Displaying.
04/04/2024	SBBS	2	Curlew	2	Pair; singing.
04/04/2024	SBBS	2	Curlew	2	Pair; singing.
04/04/2024	SBBS	2	Curlew	2	Pair; singing.
04/04/2024	SBBS	2	Lapwing	2	Pair; singing.
04/04/2024	SBBS	2	Lapwing	2	Pair; singing.
04/04/2024	SBBS	2	Lapwing	4	2 pairs; singing.
04/04/2024	SBBS	2	Oystercatcher	2	Pair.
04/04/2024	SBBS	2	Oystercatcher	2	Pair; singing.
04/04/2024	SBBS	2	Oystercatcher	2	Pair; singing.
08/04/2024	BBS	1	Curlew	2	Flushed; singing.
08/04/2024	BBS	1	Curlew	1	In flight; singing.
08/04/2024	BBS	1	Lapwing	2	Calling.

Date	Survey type	Survey visit	Species	Number recorded	Notes
08/04/2024	BBS	1	Lapwing	1	In flight.
08/04/2024	BBS	1	Lapwing	4	
08/04/2024	BBS	1	Oystercatcher	4	
10/04/2024	BBS	1	Curlew	2	
10/04/2024	BBS	1	Curlew	2	
10/04/2024	BBS	1	Lapwing	2	Mobbing a passing red kite (Ref_ID 172).
10/04/2024	BBS	1	Lapwing	1	Different bird from Ref_ID 164.
10/04/2024	BBS	1	Lapwing	2	Different birds from Ref_ID 165.
10/04/2024	BBS	1	Lapwing	6	
10/04/2024	BBS	1	Oystercatcher	1	
10/04/2024	BBS	1	Snipe	2	Displaying.
10/04/2024	BBS	1	Curlew	1	In flight; calling.
10/04/2024	BBS	1	Curlew	1	Calling.
10/04/2024	BBS	1	Lapwing	1	
11/04/2024	BBS	1	Curlew	1	Singing.
11/04/2024	BBS	1	Curlew	1	Singing.
11/04/2024	BBS	1	Golden plover	2	Pair.
11/04/2024	BBS	1	Snipe	1	
12/04/2024	BK	1	Curlew	1	Singing.
12/04/2024	BK	1	Snipe	1	Singing.
16/04/2024	SBBS	2	Common sandpiper	1	Calling.
16/04/2024	SBBS	2	Curlew	2	Pair; singing.
16/04/2024	SBBS	2	Curlew	1	Singing.
16/04/2024	SBBS	2	Curlew	1	Singing.
16/04/2024	SBBS	2	Lapwing	2	Pair; displaying.
16/04/2024	SBBS	2	Oystercatcher	2	Pair; singing.
16/04/2024	SBBS	2	Snipe	1	Singing.
17/04/2024	SBBS	2	Lapwing	2	Pair.
17/04/2024	SBBS	2	Lapwing	2	Pair.
17/04/2024	SBBS	2	Oystercatcher	4	2 pairs.
01/05/2024	VP 3	-	Golden plover	1	Heard only; location estimated.
03/05/2024	BK	2	Curlew	1	Flushed; calling.
03/05/2024	BK	2	Curlew	1	In flight; calling.
03/05/2024	VP 4	-	Snipe	1	Heard only; location estimated.
06/05/2024	BBS	2	Curlew	1	Displaying; different bird from Ref_ID 196.
06/05/2024	BBS	2	Curlew	1	Calling; different bird from Ref_ID 196.
06/05/2024	BBS	2	Curlew	1	Displaying; different bird from Ref_ID 195, 197 & 198.
06/05/2024	BBS	2	Curlew	1	Displaying; different bird from Ref_ID 194 & 196.
06/05/2024	BBS	2	Curlew	1	Displaying; different bird from Ref_ID 191 & 195.



Date	Survey type	Survey visit	Species	Number recorded	Notes
06/05/2024	BBS	2	Curlew	2	Pair; calling; different birds from Ref ID 194.
06/05/2024	BBS	2	Snipe	1	Singing.
06/05/2024	BBS	2	Curlew	1	Singing.
09/05/2024	BBS	2	Curlew	1	Calling.
09/05/2024	BBS	2	Curlew	1	Singing.
09/05/2024	BBS	2	Curlew	2	Singing.
09/05/2024	BBS	2	Curlew	1	Singing.
09/05/2024	BBS	2	Curlew	2	Pair; singing.
09/05/2024	BBS	2	Curlew	1	Alarm calling.
09/05/2024	BBS	2	Curlew	1	Singing.
09/05/2024	BBS	2	Curlew	2	Pair; alarm calling.
09/05/2024	BBS	2	Snipe	1	Flushed.
09/05/2024	BBS	2	Snipe	1	Singing.
09/05/2024	BBS	2	Snipe	1	Singing.
09/05/2024	BBS	2	Curlew	1	Calling.
10/05/2024	BK	2	Golden plover	1	Alarm calling.
10/05/2024	BK	2	Golden plover	2	Pair; alarm calling.
10/05/2024	BK	2	Curlew	2	Pair; alarm calling.
10/05/2024	BK	2	Snipe	1	Singing; heard only; location estimated.
10/05/2024	BK	2	Snipe	1	Singing; heard only; location estimated.
15/05/2024	BBS	2	Common sandpiper	2	Pair.
15/05/2024	BBS	2	Common sandpiper	2	Pair.
15/05/2024	BBS	2	Common sandpiper	2	Pair; different birds from Ref_ID 235.
15/05/2024	BBS	2	Common sandpiper	2	Pair; different birds from Ref_ID 265.
15/05/2024	BBS	2	Curlew	2	In flight; pair; calling.
15/05/2024	BBS	2	Curlew	2	Pair; singing.
15/05/2024	BBS	2	Curlew	2	Pair; mobbing a buzzard.
15/05/2024	BBS	2	Lapwing	2	Ref_IDs 243, 244, 245, 247 & 248 all different pairs.
15/05/2024	BBS	2	Lapwing	2	Ref_IDs 243, 244, 245, 247 & 248 all different pairs.
15/05/2024	BBS	2	Lapwing	2	Ref_IDs 243, 244, 245, 247 & 248 all different pairs.
15/05/2024	BBS	2	Lapwing	2	Ref_IDs 243, 244, 245, 247 & 248 all different pairs.
15/05/2024	BBS	2	Lapwing	1	

Date	Survey type	Survey visit	Species	Number recorded	Notes
15/05/2024	BBS	2	Lapwing	2	In flight; pair.
15/05/2024	BBS	2	Lapwing	2	Pair.
15/05/2024	BBS	2	Oystercatcher	2	Pair.
15/05/2024	BBS	2	Oystercatcher	2	Pair; different birds from Ref_ID 250.
15/05/2024	BBS	2	Oystercatcher	2	Pair; different birds from Ref_ID 251.
15/05/2024	BBS	2	Oystercatcher	2	Pair.
15/05/2024	BBS	2	Redshank	1	Flushed; calling.
15/05/2024	BBS	2	Snipe	1	Flushed.
15/05/2024	BBS	2	Snipe	1	Singing.
15/05/2024	BBS	2	Curlew	1	In flight; singing.
15/05/2024	BBS	2	Curlew	1	Different bird from Ref_ID 272.
15/05/2024	BBS	2	Curlew	1	Different bird from Ref_ID 273.
15/05/2024	BBS	2	Curlew	2	In flight.
15/05/2024	BBS	2	Curlew	1	In flight; singing.
15/05/2024	BBS	2	Curlew	1	In flight; singing.
15/05/2024	BBS	2	Lapwing	1	Ref_IDs 263-267 all different birds.
15/05/2024	BBS	2	Lapwing	2	Ref_IDs 263-267 all different birds.
15/05/2024	BBS	2	Lapwing	2	Ref_IDs 263-267 all different birds.
15/05/2024	BBS	2	Lapwing	2	Singing; Ref_IDs 263-267 all different birds.
15/05/2024	BBS	2	Lapwing	1	Ref_IDs 263-267 all different birds.
16/05/2024	BK	2	Curlew	1	Calling.
16/05/2024	BK	2	Golden plover	2	Pair; calling.
16/05/2024	BK	2	Snipe	1	Singing.
16/05/2024	BK	2	Snipe	1	Singing.
16/05/2024	BK	2	Snipe	1	Singing.
16/05/2024	BK	2	Golden plover	1	Female.
20/05/2024	SBBS	3	Curlew	1	Calling.
20/05/2024	SBBS	3	Golden plover	1	Calling.
20/05/2024	SBBS	3	Lapwing	1	Calling.
20/05/2024	SBBS	3	Snipe	1	Singing.
20/05/2024	SBBS	3	Snipe	1	Singing.
21/05/2024	VP 6	-	Curlew	1	Heard only.
03/06/2024	BBS	3	Snipe	1	
03/06/2024	BBS	3	Snipe	1	Flushed.
03/06/2024	BBS	3	Snipe	1	In flight.
03/06/2024	BBS	3	Snipe	1	Singing.
03/06/2024	BBS	3	Curlew	1	Calling.
03/06/2024	BBS	3	Curlew	3	In flight; calling; different birds from Ref_ID 336.



Date	Survey type	Survey visit	Species	Number recorded	Notes
03/06/2024	BBS	3	Curlew	1	In flight; calling; different bird from Ref ID 337.
03/06/2024	BBS	3	Snipe	1	In flight.
04/06/2024	BBS	3	Common sandpiper	1	
04/06/2024	BBS	3	Common sandpiper	1	Alarm calling.
04/06/2024	BBS	3	Curlew	1	Landed.
04/06/2024	BBS	3	Curlew	1	In flight.
04/06/2024	BBS	3	Curlew	2	
04/06/2024	BBS	3	Lapwing	1	
04/06/2024	BBS	3	Lapwing	1	In flight; calling.
04/06/2024	BBS	3	Lapwing	2	Flushed; calling.
04/06/2024	BBS	3	Lapwing	1	Calling.
04/06/2024	BBS	3	Lapwing	1	Flushed.
04/06/2024	BBS	3	Lapwing	1	Landed.
04/06/2024	BBS	3	Lapwing	2	Flushed; calling.
04/06/2024	BBS	3	Lapwing	3	
04/06/2024	BBS	3	Lapwing	1	In flight.
04/06/2024	BBS	3	Lapwing	2	
04/06/2024	BBS	3	Lapwing	1	
04/06/2024	BBS	3	Lapwing	1	
04/06/2024	BBS	3	Oystercatcher	1	
04/06/2024	BBS	3	Oystercatcher	1	In flight.
04/06/2024	BBS	3	Oystercatcher	1	
04/06/2024	BBS	3	Curlew	1	
05/06/2024	BBS	3	Lapwing	1	In flight.
05/06/2024	BBS	3	Golden plover	2	Pair; flushed and calling.
06/06/2024	BBS	3	Common sandpiper	1	
06/06/2024	BBS	3	Common sandpiper	1	
06/06/2024	BBS	3	Curlew	1	Calling.
06/06/2024	BBS	3	Curlew	1	Calling.
06/06/2024	BBS	3	Curlew	2	Flushed; calling.
06/06/2024	BBS	3	Curlew	1	Flushed; calling.
06/06/2024	BBS	3	Lapwing	3	Flushed; calling.
06/06/2024	BBS	3	Lapwing	1	Flushed.
06/06/2024	BBS	3	Oystercatcher	1	
06/06/2024	BBS	3	Oystercatcher	2	In flight.
06/06/2024	BBS	3	Oystercatcher	2	
06/06/2024	BBS	3	Snipe	1	Singing.
06/06/2024	BBS	3	Snipe	1	In flight.
17/06/2024	SBBS	4	Golden plover	2	Alarm calling at a passing red kite (Ref ID 126).
19/06/2024	SBBS	4	Golden plover	1	Alarm calling.
19/06/2024	SBBS	4	Golden plover	1	Alarm calling.

Date	Survey type	Survey visit	Species	Number recorded	Notes
19/06/2024	SBBS	4	Lapwing	6	
26/06/2024	SBBS	4	Golden plover	1	Flushed.
28/06/2024	SBBS	4	Golden plover	1	Adult; distraction display and alarm calling.
03/07/2024	BBS	4	Snipe	1	Singing.
04/07/2024	BBS	4	Golden plover	3	Family; adult pair with 1 juvenile.
04/07/2024	BBS	4	Snipe	1	Singing.
04/07/2024	BBS	4	Snipe	1	
04/07/2024	BBS	4	Snipe	2	
04/07/2024	BBS	4	Lapwing	1	
04/07/2024	BBS	4	Lapwing	3	Family; adult pair with 1 juvenile.
04/07/2024	BBS	4	Oystercatcher	1	Flushed; calling.
04/07/2024	BBS	4	Oystercatcher	3	
04/07/2024	BBS	4	Oystercatcher	5	Calling.
05/07/2024	BBS	4	Common sandpiper	1	Calling.
05/07/2024	BBS	4	Common sandpiper	2	Calling.
05/07/2024	BBS	4	Curlew	1	
05/07/2024	BBS	4	Lapwing	2	
05/07/2024	BBS	4	Oystercatcher	2	
05/07/2024	BBS	4	Oystercatcher	3	
05/07/2024	BBS	4	Oystercatcher	18	
05/07/2024	BBS	4	Ringed plover	2	Calling.
05/07/2024	BBS	4	Snipe	1	Singing.
05/07/2024	BBS	4	Snipe	1	Singing.
09/07/2024	SBBS	5	Redshank	1	Flushed.
10/07/2024	SBBS	5	Golden plover	1	Flushed; alarm calling.
23/07/2024	VP 8	-	Golden plover	-	Family; adult(s) alarm calling (number of birds not specified).
23/07/2024	VP 8	-	Golden plover	-	Family; adult(s) alarm calling (number of birds not specified).
31/07/2024	VP 8	-	Golden plover	-	Heard only; location estimated; family group.
19/03/2025	SBBS	7	Curlew	1	Calling.
19/03/2025	SBBS	7	Curlew	2	Pair.
02/04/2025	SBBS	8	Lapwing	2	Pair.
20/03/2025	SBBS	7	Curlew	1	Calling.
21/03/2025	SBBS	7	Curlew	2	Pair.
01/04/2025	BBS	5	Lapwing	2	Pair.
25/03/2025	VP 14	-	Curlew	4	2 pairs; observed whilst travelling to the survey location.
25/03/2025	VP 14	-	Oystercatcher	14	7 pairs; observed whilst travelling to the survey location.
01/04/2025	BBS	5	Lapwing	1	Flushed.
02/04/2025	BBS	5	Curlew	2	Pair; singing.



Date	Survey type	Survey visit	Species	Number recorded	Notes
02/04/2025	BBS	5	Curlew	2	Pair; singing; probably the same birds as Ref ID 493.
02/04/2025	BBS	5	Curlew	1	Heard only; calling; location estimated.
03/04/2025	SBBS	8	Lapwing	4	Two pairs.
03/04/2025	BBS	5	Lapwing	6	
03/04/2025	SBBS	8	Lapwing	6	
03/04/2025	SBBS	8	Lapwing	1	Singing.
01/04/2025	BBS	5	Redshank	1	
03/04/2025	BBS	5	Curlew	1	In flight; singing.
03/04/2025	BBS	5	Curlew	1	In flight; singing; different bird from Ref ID 499.
03/04/2025	BBS	5	Curlew	2	Singing.
02/04/2025	BBS	5	Snipe	1	Heard only; singing; location estimated.
03/04/2025	BBS	5	Curlew	1	Singing.
01/04/2025	SBBS	8	Curlew	2	Pair; singing.
02/04/2025	SBBS	8	Golden plover	15	
21/03/2025	SBBS	7	Lapwing	2	Pair.
04/04/2025	BK	3	Oystercatcher	1	
02/04/2025	SBBS	8	Curlew	1	
12/05/2025	SBBS	9	Lapwing	4	Two pairs.
02/04/2025	SBBS	8	Golden plover	12	In flight.
02/04/2025	SBBS	8	Curlew	1	Singing.
03/04/2025	SBBS	8	Curlew	2	Pair.
03/04/2025	SBBS	8	Curlew	2	Pair.
03/04/2025	SBBS	8	Curlew	1	Singing.
12/05/2025	SBBS	9	Lapwing	8	Four pairs; alarm calling.
03/04/2025	BBS	5	Golden plover	20	In flight.
03/04/2025	BBS	5	Golden plover	2	Flushed; alarm calling.
03/04/2025	SBBS	8	Curlew	2	Pair; singing.
03/04/2025	SBBS	8	Curlew	2	Pair; singing.
19/03/2025	SBBS	7	Lapwing	2	Pair; calling.
12/05/2025	SBBS	9	Lapwing	2	Pair; flushed.
03/04/2025	SBBS	8	Redshank	1	
03/04/2025	SBBS	8	Curlew	2	Pair; singing.
03/04/2025	SBBS	8	Curlew	2	Pair; singing.
04/04/2025	BK	3	Curlew	1	Flushed; calling.
04/04/2025	BK	3	Curlew	1	Flushed; calling.
01/05/2025	BK	4	Curlew	1	
03/04/2025	SBBS	8	Golden plover	2	Pair; singing.

Date	Survey type	Survey visit	Species	Number recorded	Notes
12/05/2025	SBBS	9	Lapwing	2	Pair; flushed.
01/04/2025	BBS	5	Lapwing	2	Probably on territory.
01/05/2025	BK	4	Oystercatcher	1	
13/05/2025	BBS	6	Oystercatcher	1	Calling.
13/05/2025	BBS	6	Oystercatcher	1	Took flight; calling.
03/04/2025	SBBS	8	Redshank	1	
03/04/2025	SBBS	8	Snipe	1	Displaying.
03/04/2025	SBBS	8	Snipe	1	Singing.
03/04/2025	SBBS	8	Golden plover	2	Pair; calling; different birds from Ref ID 564.
03/04/2025	SBBS	8	Golden plover	2	Pair; calling.
02/05/2025	BK	4	Curlew	2	Flushed.
01/04/2025	BBS	5	Lapwing	2	Pair.
04/04/2025	BK	3	Snipe	3	Singing.
15/05/2025	SBBS	9	Curlew	2	Pair; calling.
14/05/2025	BBS	6	Oystercatcher	1	Calling.
13/05/2025	SBBS	9	Lapwing	2	Pair; singing.
15/05/2025	SBBS	9	Curlew	1	Calling.
01/05/2025	BK	4	Golden plover	1	Singing.
15/05/2025	SBBS	9	Curlew	1	Calling.
14/05/2025	BBS	6	Oystercatcher	1	Calling.
15/05/2025	SBBS	9	Curlew	2	Pair; singing.
02/05/2025	BK	4	Golden plover	1	
10/06/2025	BBS	7	Lapwing	2	Pair; calling.
10/06/2025	BBS	7	Oystercatcher	1	
15/05/2025	SBBS	9	Curlew	1	Singing.
12/05/2025	BBS	6	Golden plover	1	Flushed.
09/07/2025	BBS	8	Lapwing	2	Pair.
13/05/2025	SBBS	9	Lapwing	2	Pair; calling.
01/04/2025	BBS	5	Lapwing	1	Landed.
03/04/2025	SBBS	8	Lapwing	1	Singing.
10/06/2025	BBS	7	Oystercatcher	1	
12/05/2025	SBBS	9	Snipe	1	Singing.
12/05/2025	SBBS	9	Snipe	1	Singing.
12/05/2025	SBBS	9	Snipe	1	Singing.
13/05/2025	BBS	6	Common sandpiper	1	Calling.
15/05/2025	SBBS	9	Curlew	2	Pair; copulating.
23/06/2025	SBBS	10	Curlew	1	
25/06/2025	SBBS	10	Curlew	1	Singing.
02/04/2025	SBBS	8	Lapwing	1	Singing.
04/04/2025	BK	3	Lapwing	3	Flushed.
10/06/2025	BBS	7	Oystercatcher	1	



Date	Survey type	Survey visit	Species	Number recorded	Notes
10/06/2025	BBS	7	Oystercatcher	1	
25/06/2025	SBBS	10	Curlew	1	Singing.
13/05/2025	BBS	6	Golden plover	1	
13/05/2025	SBBS	9	Golden plover	1	Calling; heard only; location estimated.
13/05/2025	SBBS	9	Common sandpiper	1	Calling.
25/06/2025	SBBS	10	Curlew	1	Alarm calling.
10/04/2025	VP 10	-	Lapwing	2	Observed whilst travelling to the survey location.
02/05/2025	BK	4	Lapwing	1	
23/06/2025	SBBS	10	Oystercatcher	1	Calling.
13/05/2025	SBBS	9	Snipe	1	Singing.
26/06/2025	SBBS	10	Curlew	2	Pair; singing.
26/06/2025	SBBS	10	Curlew	1	Juvenile.
14/05/2025	BBS	6	Golden plover	1	Heard only; calling; location estimated.
14/05/2025	BBS	6	Common sandpiper	1	
26/06/2025	SBBS	10	Curlew	1	Singing.
26/06/2025	SBBS	10	Curlew	1	Alarm calling.
13/05/2025	BBS	6	Lapwing	1	Calling.
13/05/2025	BBS	6	Lapwing	1	Took flight; calling.
23/06/2025	SBBS	10	Oystercatcher	1	Calling.
26/06/2025	SBBS	10	Oystercatcher	1	Calling.
14/05/2025	BBS	6	Snipe	1	Flushed.
01/05/2025	BK	4	Curlew	1	Singing.
14/05/2025	BBS	6	Snipe	1	Flushed.
13/05/2025	SBBS	9	Curlew	2	Pair; singing.
01/04/2025	BBS	5	Curlew	2	Pair.
01/04/2025	BBS	5	Curlew	2	Pair.
27/06/2025	BBS	7	Oystercatcher	1	Calling.
01/04/2025	BBS	5	Curlew	1	Flushed.
13/05/2025	BBS	6	Curlew	1	Calling.
13/05/2025	BBS	6	Curlew	1	Calling.
10/06/2025	BBS	7	Common sandpiper	2	Pair.
10/06/2025	BBS	7	Common sandpiper	1	In flight.
13/05/2025	BBS	6	Curlew	1	Calling.
13/05/2025	BBS	6	Curlew	1	In flight; calling.
14/05/2025	BBS	6	Curlew	1	In flight; singing.
14/05/2025	BBS	6	Lapwing	1	Calling.
14/05/2025	BBS	6	Lapwing	1	Calling.
10/06/2025	BBS	7	Lapwing	2	Pair.
10/06/2025	BBS	7	Lapwing	1	Different bird from Ref_ID 756.
10/06/2025	BBS	7	Lapwing	1	
08/07/2025	BBS	8	Oystercatcher	1	

Date	Survey type	Survey visit	Species	Number recorded	Notes
08/07/2025	BBS	8	Oystercatcher	1	
11/07/2025	BBS	8	Oystercatcher	1	
02/05/2025	BK	4	Oystercatcher	2	
10/06/2025	BBS	7	Oystercatcher	2	Pair.
10/06/2025	BBS	7	Oystercatcher	2	Pair.
10/06/2025	BBS	7	Oystercatcher	4	Two pairs; calling.
11/06/2025	BBS	7	Oystercatcher	2	Calling.
26/06/2025	SBBS	10	Oystercatcher	2	Pair; alarm calling.
10/06/2025	BBS	7	Redshank	1	Calling.
10/06/2025	BBS	7	Snipe	2	Flushed; different bird from Ref_ID 770.
10/06/2025	BBS	7	Snipe	2	Flushed.
10/06/2025	BBS	7	Snipe	1	In flight.
10/06/2025	BBS	7	Snipe	1	Heard only; singing; location estimated.
14/05/2025	BBS	6	Curlew	1	In flight; singing.
14/05/2025	BBS	6	Curlew	1	Calling.
14/05/2025	BBS	6	Curlew	1	Flushed.
14/05/2025	BBS	6	Curlew	1	Heard only; singing; location estimated.
10/06/2025	BBS	7	Curlew	1	Calling.
10/06/2025	BBS	7	Curlew	1	Singing.
10/06/2025	BBS	7	Curlew	1	In flight; singing.
10/06/2025	BBS	7	Curlew	6	Three pairs.
10/06/2025	BBS	7	Curlew	2	Pair; alarm calling.
10/06/2025	BBS	7	Lapwing	18	
11/06/2025	BBS	7	Lapwing	1	
11/06/2025	BBS	7	Lapwing	3	
11/06/2025	BBS	7	Lapwing	1	Alarm calling.
11/06/2025	BBS	7	Lapwing	20	
08/07/2025	BBS	8	Oystercatcher	6	Three pairs.
11/06/2025	BBS	7	Curlew	1	Calling.
11/06/2025	BBS	7	Golden plover	1	Flushed; calling.
11/06/2025	BBS	7	Curlew	2	Pair.
11/06/2025	BBS	7	Lapwing	1	
11/06/2025	BBS	7	Curlew	2	Pair; alarm calling.
20/06/2025	VP 12	-	Lapwing	1	Mobbing a passing red kite (Ref_ID 888); observed whilst travelling to the survey location.
02/04/2025	SBBS	8	Oystercatcher	4	Two pairs.
15/05/2025	SBBS	9	Oystercatcher	4	
11/06/2025	BBS	7	Curlew	1	
11/06/2025	BBS	7	Curlew	2	Pair; alarm calling.



Date	Survey type	Survey visit	Species	Number recorded	Notes
11/06/2025	BBS	7	Curlew	2	Pair; alarm calling.
11/06/2025	BBS	7	Curlew	2	Pair; alarm calling.
11/06/2025	BBS	7	Curlew	1	Heard only; singing; location estimated.
27/06/2025	BBS	7	Curlew	1	Calling.
26/06/2025	SBBS	10	Oystercatcher	6	Three pairs; calling.
27/06/2025	BBS	7	Curlew	1	Calling.
12/05/2025	SBBS	9	Oystercatcher	2	Pair.
26/06/2025	SBBS	10	Oystercatcher	2	Pair; calling.
03/04/2025	SBBS	8	Oystercatcher	1	Calling.
27/06/2025	BBS	7	Curlew	1	Calling.
27/06/2025	BBS	7	Curlew	1	Flushed; alarm calling.
27/06/2025	BBS	7	Curlew	1	Flushed; singing.
27/06/2025	BBS	7	Curlew	1	Alarm calling.
27/06/2025	BBS	7	Curlew	1	Singing.
27/06/2025	BBS	7	Curlew	1	Flushed; alarm calling.
27/06/2025	BBS	7	Curlew	1	Flushed; calling.
27/06/2025	BBS	7	Curlew	1	Flushed.
27/06/2025	BBS	7	Curlew	1	Calling.
27/06/2025	BBS	7	Curlew	1	Calling.
27/06/2025	BBS	7	Curlew	1	Alarm calling.
27/06/2025	BBS	7	Curlew	1	Flushed.
27/06/2025	BBS	7	Curlew	2	
07/07/2025	BBS	8	Curlew	1	In flight; calling.
09/07/2025	BBS	8	Curlew	2	Pair; in flight.
03/04/2025	SBBS	8	Oystercatcher	1	Calling.
27/06/2025	BBS	7	Snipe	1	Singing.
09/07/2025	BBS	8	Curlew	1	Landed; alarm calling; probably one of the birds from Ref_ID 861.
08/07/2025	BBS	8	Golden plover	1	Calling; different bird from Ref_ID 851.
08/07/2025	BBS	8	Golden plover	1	Calling.
23/06/2025	SBBS	10	Lapwing	1	
03/04/2025	SBBS	8	Oystercatcher	2	
13/05/2025	SBBS	9	Oystercatcher	2	Pair.
10/06/2025	BBS	7	Oystercatcher	2	Pair.
08/07/2025	BBS	8	Redshank	1	Calling.
08/07/2025	BBS	8	Snipe	1	Singing.
09/07/2025	BBS	8	Curlew	1	In flight; calling.
10/07/2025	BBS	8	Curlew	1	Calling.
09/07/2025	BBS	8	Golden plover	1	Heard only; location estimated; different bird from Ref_ID 866.
09/07/2025	BBS	8	Golden plover	1	Heard only; location estimated.

Date	Survey type	Survey visit	Species	Number recorded	Notes
08/07/2025	BBS	8	Lapwing	7	
10/06/2025	BBS	7	Oystercatcher	2	Pair.
11/07/2025	BBS	8	Curlew	2	
11/07/2025	BBS	8	Curlew	3	Calling.
12/05/2025	BBS	6	Curlew	1	Calling.
19/06/2025	VP 4	-	Curlew	1	In flight; calling; observed whilst travelling to the survey location.
09/07/2025	BBS	8	Oystercatcher	5	Family; adult pair with 3 young.
28/07/2025	VP 8	-	Curlew	1	Heard only; location estimated.
28/07/2025	VP 8	-	Golden plover	1	Heard only; location estimated.
29/07/2025	VP 7	-	Golden plover	1	Heard only; calling; location estimated.
29/07/2025	VP 9	-	Golden plover	1	Flushed whilst travelling to the survey location.
01/08/2025	SBBS	12	Golden plover	1	Calling; heard only; location estimated.

B.5 Non-Breeding Waterfowl and Waders

Table B-5 details all target wader and waterfowl activity recorded during the non-breeding seasons.

Table B-5: Non-breeding season waterfowl and wader activity

Date	Survey type	Survey visit	Species	Number recorded	Notes
20/02/2024	WWO	3	Golden plover	1	Heard only, location estimated
05/09/2024	VP 5	-	Golden plover	1	Heard only; location estimated.
20/02/2024	WWO	3	Lapwing	6	
23/01/2025	WWO	5	Lapwing	6	
28/02/2025	VP 14	-	Lapwing	31	
20/02/2024	WWO	3	Oystercatcher	2	In flight; calling.
20/02/2024	WWO	3	Oystercatcher	2	
28/02/2025	VP 14	-	Oystercatcher	21	
28/02/2025	VP 14	-	Greylag goose	5	
23/01/2025	WWO	5	Pink-footed goose	28	

