



Breezy Hill Energy Project Additional Information Technical Appendix 7.1

Annex C: Ornithological Survey Effort & General Information

Brockwell Energy

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Annex C Ornithological Survey Effort & General Information

Table C-1 shows the system used for recording weather conditions on all the surveys (sections **C.1** to **C.4** below).

Table C-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		<150m	0
Light air	1	Fresh gale	8	Drizzle/Mist	1	e.g.	3/8	150-500m	1
Light breeze	2	Strong gale	9	Light showers	2			>500m	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 (<1km)	0
				On site	1	Ground	1	Moderate (1-2km)	1
				High ground	2	All day	2	Good (>2km)	2

C.1 Flight Activity Surveys

Flight activity surveys were undertaken during the 2020 and 2021 breeding seasons and 2020/2021 and 2021/2022 non-breeding seasons. Details of the flight activity surveys undertaken across each Vantage Point (VP) location are supplied in **Table C-2** (survey hours per VP per season are summarised in **Technical Appendix 7.1 Table 7-1**) and the associated weather data recorded is detailed in **Table C-3**. Refer to **Annex B** for survey methodology and **Annex D** for survey results.

Table C-2: Summary of flight activity surveys (sorted chronologically)

Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
29/04/2020	2020 BR	PN	2	0900	1200	3
29/04/2020	2020 BR	PN	2	1230	1530	3
01/05/2020	2020 BR	PN	2	0715	1015	3
07/05/2020	2020 BR	PN	1	0830	1130	3
15/05/2020	2020 BR	PN	1	0740	1040	3
08/06/2020	2020 BR	MW	1	1330	1630	3
08/06/2020	2020 BR	MW	1	1700	2000	3
09/06/2020	2020 BR	MW	2	1345	1645	3
09/06/2020	2020 BR	MW	2	1715	2015	3
12/06/2020	2020 BR	MW	1	0415	0715	3
12/06/2020	2020 BR	MW	1	0745	1045	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
18/06/2020	2020 BR	MW	2	0430	0730	3
18/06/2020	2020 BR	MW	2	0800	1100	3
19/06/2020	2020 BR	MW	1	0400	0700	3
19/06/2020	2020 BR	MW	1	0730	1030	3
20/07/2020	2020 BR	MW	1	0730	1030	3
20/07/2020	2020 BR	MW	1	1100	1400	3
27/07/2020	2020 BR	MW	2	0730	1030	3
27/07/2020	2020 BR	MW	2	1100	1400	3
24/08/2020	2020 BR	MW	1	1100	1400	3
24/08/2020	2020 BR	MW	1	1430	1730	3
25/08/2020	2020 BR	MW	2	0930	1230	3
25/08/2020	2020 BR	MW	2	1300	1600	3
28/08/2020	2020 BR	MW	2	0615	0915	3
28/08/2020	2020 BR	MW	2	0945	1245	3
31/08/2020	2020 BR	MW	2	0830	1130	3
31/08/2020	2020 BR	MW	2	1200	1500	3
01/09/2020	2020/2021 NBR	MW	1	0730	1030	3
01/09/2020	2020/2021 NBR	MW	1	1100	1400	3
02/09/2020	2020/2021 NBR	MW	2	0630	0930	3
02/09/2020	2020/2021 NBR	MW	2	1000	1300	3
04/09/2020	2020/2021 NBR	MW	2	0745	1045	3
04/09/2020	2020/2021 NBR	MW	1	1115	1415	3
28/09/2020	2020/2021 NBR	MW	3	0900	1200	3
28/09/2020	2020/2021 NBR	MW	3	1230	1530	3
02/10/2020	2020/2021 NBR	MW	2	0700	1000	3
02/10/2020	2020/2021 NBR	MW	2	1030	1330	3
09/10/2020	2020/2021 NBR	MW	1	0840	1140	3
09/10/2020	2020/2021 NBR	MW	1	1210	1510	3
12/10/2020	2020/2021 NBR	MW	3	0800	1100	3
12/10/2020	2020/2021 NBR	MW	3	1130	1430	3
26/10/2020	2020/2021 NBR	MW	3	0700	1000	3
26/10/2020	2020/2021 NBR	MW	3	1030	1330	3
13/11/2020	2020/2021 NBR	MW	3	0745	1045	3
13/11/2020	2020/2021 NBR	MW	3	1115	1315	2
17/11/2020	2020/2021 NBR	MW	1	0745	1045	3
17/11/2020	2020/2021 NBR	MW	1	1115	1415	3



Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
20/11/2020	2020/2021 NBR	MW	2	0800	1100	3
20/11/2020	2020/2021 NBR	MW	2	1130	1330	2
26/11/2020	2020/2021 NBR	MW	3	0800	1100	3
26/11/2020	2020/2021 NBR	MW	3	1130	1330	2
10/12/2020	2020/2021 NBR	MW	3	0815	1115	3
10/12/2020	2020/2021 NBR	MW	3	1145	1345	2
11/12/2020	2020/2021 NBR	MW	1	0815	1115	3
11/12/2020	2020/2021 NBR	MW	1	1145	1345	2
16/12/2020	2020/2021 NBR	MW	2	0815	1115	3
16/12/2020	2020/2021 NBR	MW	2	1145	1345	2
05/01/2021	2020/2021 NBR	MW	3	0845	1145	3
05/01/2021	2020/2021 NBR	MW	3	1215	1415	2
06/01/2021	2020/2021 NBR	MW	2	0815	1115	3
06/01/2021	2020/2021 NBR	MW	2	1145	1345	2
18/01/2021	2020/2021 NBR	MW	1	0815	1115	3
18/01/2021	2020/2021 NBR	MW	1	1145	1345	2
19/01/2021	2020/2021 NBR	MW	2	0815	1115	3
19/01/2021	2020/2021 NBR	MW	2	1145	1345	2
08/02/2021	2020/2021 NBR	MW	3	0930	1230	3
08/02/2021	2020/2021 NBR	MW	3	1300	1500	2
09/02/2021	2020/2021 NBR	MW	2	0730	1030	3
09/02/2021	2020/2021 NBR	MW	2	1100	1300	2
10/02/2021	2020/2021 NBR	MW	1	0715	1015	3
10/02/2021	2020/2021 NBR	MW	1	1045	1245	2
09/03/2021	2020/2021 NBR	MW	3	0730	1030	3
09/03/2021	2020/2021 NBR	MW	3	1100	1300	2
10/03/2021	2020/2021 NBR	MW	2	0630	0930	3
10/03/2021	2020/2021 NBR	MW	2	1000	1200	2
11/03/2021	2020/2021 NBR	MW	1	0730	1030	3
11/03/2021	2020/2021 NBR	MW	1	1100	1300	2
22/03/2021	2021 BR	MW	2	0800	1100	3
22/03/2021	2021 BR	MW	2	1130	1330	2
23/03/2021	2021 BR	MW	1	0700	1000	3
23/03/2021	2021 BR	MW	1	1030	1230	2
24/03/2021	2021 BR	MW	3	0730	1030	3
24/03/2021	2021 BR	MW	3	1100	1300	2



Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
01/04/2021	2021 BR	MW	2	0730	1030	3
02/04/2021	2021 BR	MW	3	0945	1245	3
22/04/2021	2021 BR	MW	1	0700	1000	3
28/04/2021	2021 BR	SS	3	0830	1130	3
28/04/2021	2021 BR	SS	2	1145	1445	3
07/05/2021	2021 BR	JR	2	0840	1140	3
07/05/2021	2021 BR	JR	2	1210	1510	3
14/05/2021	2021 BR	JR	1	0900	1200	3
14/05/2021	2021 BR	JR	1	1230	1530	3
24/05/2021	2021 BR	MW	3	0630	0930	3
24/05/2021	2021 BR	MW	3	1000	1300	3
17/06/2021	2021 BR	MW	1	0630	0930	3
17/06/2021	2021 BR	MW	1	1000	1300	3
18/06/2021	2021 BR	MW	2	0630	0930	3
18/06/2021	2021 BR	MW	2	1000	1300	3
28/06/2021	2021 BR	JR	3	0850	1150	3
28/06/2021	2021 BR	JR	3	1220	1520	3
12/07/2021	2021 BR	JR	2	0740	1040	3
12/07/2021	2021 BR	JR	2	1110	1410	3
19/07/2021	2021 BR	JR	1	0800	1100	3
19/07/2021	2021 BR	JR	1	1130	1430	3
23/07/2021	2021 BR	MW	1	0815	1115	3
23/07/2021	2021 BR	MW	1	1145	1245	1
29/07/2021	2021 BR	MW	3	0700	1000	3
29/07/2021	2021 BR	MW	3	1030	1330	3
18/08/2021	2021 BR	MW	3	0715	1015	3
18/08/2021	2021 BR	MW	3	1045	1345	3
19/08/2021	2021 BR	MW	1	0700	1000	3
19/08/2021	2021 BR	MW	1	1030	1330	3
23/08/2021	2021 BR	MW	2	0800	0900	1
23/08/2021	2021 BR	MW	3	0930	1230	3
23/08/2021	2021 BR	MW	3	1300	1400	1
26/08/2021	2021 BR	MW	3	0700	1000	3
26/08/2021	2021 BR	MW	3	1030	1330	3
27/08/2021	2021 BR	MW	2	0645	0945	3
27/08/2021	2021 BR	MW	2	1015	1315	3



Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
30/09/2021	2021/2022 NBR	JRM	1	1015	1315	3
30/09/2021	2021/2022 NBR	DS	3	1030	1330	3
30/09/2021	2021/2022 NBR	JRM	1	1345	1645	3
30/09/2021	2021/2022 NBR	DS	3	1400	1700	3
01/10/2021	2021/2022 NBR	JRM	2	1125	1425	3
01/10/2021	2021/2022 NBR	JRM	2	1455	1755	3
07/10/2021	2021/2022 NBR	JRM	3	1000	1300	3
07/10/2021	2021/2022 NBR	JRM	3	1330	1630	2.33
18/10/2021	2021/2022 NBR	MW	1	0830	1130	3
18/10/2021	2021/2022 NBR	MW	1	1200	1500	3
19/10/2021	2021/2022 NBR	MW	2	0745	1045	3
19/10/2021	2021/2022 NBR	MW	2	1115	1415	3
09/11/2021	2021/2022 NBR	MW	1	0730	1030	3
09/11/2021	2021/2022 NBR	MW	1	1100	1400	3
10/11/2021	2021/2022 NBR	MW	2	0730	1030	3
10/11/2021	2021/2022 NBR	MW	2	1100	1400	3
11/11/2021	2021/2022 NBR	MW	3	0730	1030	3
11/11/2021	2021/2022 NBR	MW	3	1100	1400	3
02/12/2021	2021/2022 NBR	JRM	1	0910	1210	3
02/12/2021	2021/2022 NBR	JRM	1	1240	1440	2
03/12/2021	2021/2022 NBR	JRM	2	1000	1300	3
03/12/2021	2021/2022 NBR	JRM	2	1330	1530	2
20/12/2021	2021/2022 NBR	JRM	3	1000	1300	3
20/12/2021	2021/2022 NBR	JRM	3	1330	1530	2
14/01/2022	2021/2022 NBR	JRM	3	1020	1320	2.5
14/01/2022	2021/2022 NBR	JP	1	1030	1230	2
14/01/2022	2021/2022 NBR	JP	1	1300	1600	3
14/01/2022	2021/2022 NBR	JRM	3	1320	1520	2
17/01/2022	2021/2022 NBR	MW	2	0830	1130	3
17/01/2022	2021/2022 NBR	MW	2	1200	1400	2
04/02/2022	2021/2022 NBR	EB	2	1050	1350	2
04/02/2022	2021/2022 NBR	JRM	1	1200	1500	3
04/02/2022	2021/2022 NBR	EB	2	1420	1620	1.5
04/02/2022	2021/2022 NBR	JRM	1	1530	1600	0
07/02/2022	2021/2022 NBR	MW	1	0800	1100	3
07/02/2022	2021/2022 NBR	MW	1	1130	1330	2



Date	Season	Observer	VP	Survey start time	Survey finish time	No. hours ¹ surveyed
14/02/2022	2021/2022 NBR	MW	3	0830	1130	3
14/02/2022	2021/2022 NBR	MW	3	0830	1130	2
25/02/2022	2021/2022 NBR	JRM	1	0920	1220	3
25/02/2022	2021/2022 NBR	JRM	1	1250	1450	2
04/03/2022	2021/2022 NBR	MW	2	0900	1200	3
04/03/2022	2021/2022 NBR	MW	2	1230	1430	2
14/03/2022	2021/2022 NBR	MW	3	0800	1100	3
14/03/2022	2021/2022 NBR	MW	3	1130	1255	1.25



Table C-3: Meteorological conditions during flight (sorted chronologically)

Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
21/03/2022	BW	3	0830	1130	1	2	SE	0	0	2	2	1	2
21/03/2022	BW	3	0830	1130	2	2	SE	0	0	2	2	0	2
21/03/2022	BW	3	0830	1130	3	2	SE	0	0	2	2	0	2
21/03/2022	BW	3	1200	1500	1	2	SE	0	0	2	2	0	2
21/03/2022	BW	3	1200	1500	2	2	SE	0	0	2	2	0	2
21/03/2022	BW	3	1200	1500	3	2	SE	0	1	2	2	0	2
23/03/2022	DS	6	0945	1245	1	2	SSE	0	7	2	2	0	0
23/03/2022	DS	6	0945	1245	2	2	SSE	0	6	2	2	0	0
23/03/2022	DS	6	0945	1245	3	2	S	0	7	2	2	0	0
23/03/2022	BW	5	0955	1255	1	1	SW	0	7	2	2	0	1
23/03/2022	BW	5	0955	1255	2	2	SW	0	6	2	2	0	1
23/03/2022	BW	5	0955	1255	3	3	SW	0	6	2	2	0	1
23/03/2022	DS	6	1315	1615	1	3	S	0	6	2	2	0	0
23/03/2022	DS	6	1315	1615	2	3	S	0	5	2	2	0	0
23/03/2022	DS	6	1315	1615	3	3	S	0	5	2	2	0	0
23/03/2022	BW	5	1325	1625	1	3	SW	0	5	2	2	0	1
23/03/2022	BW	5	1325	1625	2	3	SW	0	5	2	2	0	1
23/03/2022	BW	5	1325	1625	3	4	SW	0	5	2	2	0	1
24/03/2022	BW	4	0850	1150	1	1	S	0	1	2	2	0	1
24/03/2022	BW	4	0850	1150	2	3	S	0	7	2	2	0	1



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
24/03/2022	BW	4	0850	1150	3	2	S	0	7	2	2	0	1
24/03/2022	DS	1	0915	1215	1	4	W	0	7	2	2	0	0
24/03/2022	DS	1	0915	1215	2	3	W	0	6	2	2	0	0
24/03/2022	DS	1	0915	1215	3	4	W	0	6	2	2	0	0
24/03/2022	BW	4	1220	1520	1	3	S	0	7	2	2	0	1
24/03/2022	BW	4	1220	1520	2	3	S	0	7	2	2	0	1
24/03/2022	BW	4	1220	1520	3	3	S	0	7	2	2	0	1
24/03/2022	DS	1	1245	1545	1	4	W	0	6	2	2	0	0
24/03/2022	DS	1	1245	1545	2	4	W	0	5	2	2	0	0
24/03/2022	DS	1	1245	1545	3	4	W	0	5	2	2	0	0
06/04/2022	BW	5	0715	1015	1	3	SW	0	8	2	2	1	1
06/04/2022	BW	5	0715	1015	2	2	SW	1	8	2	2	1	1
06/04/2022	BW	5	0715	1015	3	1	SW	0	8	2	2	1	1
06/04/2022	BW	5	1045	1345	1	2	SW	0	8	2	2	1	1
06/04/2022	BW	5	1045	1345	2	3	SW	0	7	2	2	1	1
06/04/2022	BW	5	1045	1345	3	3	SW	0	5	2	2	1	1
07/04/2022	BW	3	0615	0915	1	3	NE	0	8	2	2	1	1
07/04/2022	BW	3	0615	0915	2	2	NE	0	8	2	2	1	1
07/04/2022	BW	3	0615	0915	3	3	NE	0	7	2	2	1	1
07/04/2022	BW	3	0945	1245	1	3	NE	0	7	2	2	1	1
07/04/2022	BW	3	0945	1245	2	4	N	0	5	2	2	1	1



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
07/04/2022	BW	3	0945	1245	3	3	NW	0	4	2	2	1	1
11/04/2022	BW	6	1400	1700	1	2	SE	0	4	2	2	0	1
11/04/2022	BW	6	1400	1700	2	4	SE	0	7	2	2	0	1
11/04/2022	BW	6	1400	1700	3	4	SE	0	7	2	2	0	1
11/04/2022	BW	6	1730	2030	1	2	SE	0	8	2	2	0	1
11/04/2022	BW	6	1730	2030	2	2	SE	0	8	2	2	0	1
11/04/2022	BW	6	1730	2030	3	2	SE	0	8	2	2	0	1
22/04/2022	BW	4	0645	0945	1	3	NE	0	0	2	2	1	0
22/04/2022	BW	4	0645	0945	2	3	NE	0	4	1	1	1	0
22/04/2022	BW	4	0645	0945	3	1	NE	0	6	1	1	0	0
22/04/2022	BW	4	1015	1315	1	3	N	0	8	1	2	0	0
22/04/2022	BW	4	1015	1315	2	3	N	0	8	1	2	0	0
22/04/2022	BW	4	1015	1315	3	2	NE	0	3	2	2	0	0
27/04/2022	BW	1	0730	1030	1	3	E	0	0	2	2	0	0
27/04/2022	BW	1	0730	1030	2	4	E	0	2	2	2	1	0
27/04/2022	BW	1	0730	1030	3	3	E	0	6	2	2	1	0
27/04/2022	BW	1	1100	1400	1	2	E	0	6	2	2	0	0
27/04/2022	BW	1	1100	1400	2	1	NE	0	7	2	2	0	0
27/04/2022	BW	1	1100	1400	3	3	SW	0	7	2	2	0	0
02/05/2022	BW	4	0850	1150	1	4	W	0	8	2	2	0	0
02/05/2022	BW	4	0850	1150	2	3	W	0	8	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
02/05/2022	BW	4	0850	1150	3	3	NW	0	8	2	2	0	0
02/05/2022	BW	4	1220	1520	1	3	NW	0	8	2	2	0	0
02/05/2022	BW	4	1220	1520	2	4	N	0	8	2	2	0	0
02/05/2022	BW	4	1220	1520	3	4	N	0	8	2	2	0	0
03/05/2022	BW	5	1100	1400	1	2	SE	0	7	2	2	0	0
03/05/2022	BW	5	1100	1400	2	2	SE	0	7	2	2	0	0
03/05/2022	BW	5	1100	1400	3	2	SE	0	8	2	2	0	0
03/05/2022	BW	5	1430	1730	1	2	SE	0	8	2	2	0	0
03/05/2022	BW	5	1430	1730	2	2	SSW	0	8	2	2	0	0
03/05/2022	BW	5	1430	1730	3	2	SW	0	8	2	2	0	0
04/05/2022	BW	6	0755	1055	1	2	SE	0	7	2	2	0	0
04/05/2022	BW	6	0755	1055	2	1	S	1	8	2	2	0	0
04/05/2022	BW	6	0755	1055	3	2	SW	1	6	2	2	0	0
05/05/2022	EW	3	0750	1050	1	6	NNW	0	8	1	1	0	0
05/05/2022	EW	3	0750	1050	2	6	NNW	0	8	1	1	0	0
05/05/2022	EW	3	0750	1050	3	5	NW	0	8	1	2	0	0
05/05/2022	EW	3	1120	1420	1	5	NW	0	8	1	2	0	0
05/05/2022	EW	3	1120	1420	2	5	NW	0	8	1	2	0	0
05/05/2022	EW	3	1120	1420	3	5	NW	2	8	1	1	0	0
06/05/2022	BW	6	0950	1250	1	3	W	0	7	2	2	0	0
06/05/2022	BW	6	0950	1250	2	4	W	0	7	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
06/05/2022	BW	6	0950	1250	3	3	W	0	7	2	2	0	0
13/05/2022	JD	1	1200	1500	1	3	SW	1	8	2	2	0	0
13/05/2022	JD	1	1200	1500	2	3	SW	0	8	2	2	0	0
13/05/2022	JD	1	1200	1500	3	4	SW	0	7	2	2	0	0
13/05/2022	JD	1	1530	1830	1	4	SW	0	7	2	2	0	0
13/05/2022	JD	1	1530	1830	2	4	SW	1	8	2	2	0	0
13/05/2022	JD	1	1530	1830	3	4	SW	2	8	2	2	0	0
03/06/2022	PS	3	1330	1630	1	2	ENE	0	0	2	2	0	0
03/06/2022	PS	3	1330	1630	2	2	ENE	0	0	2	2	0	0
03/06/2022	PS	3	1330	1630	3	2	ENE	0	0	2	2	0	0
03/06/2022	PS	6	1350	1650	1	2	SE	0	0	2	2	0	0
03/06/2022	PS	6	1350	1650	2	3	SE	0	0	2	2	0	0
03/06/2022	PS	6	1350	1650	3	3	SE	0	0	2	2	0	0
03/06/2022	JD	3	1700	2000	1	2	ENE	0	0	2	2	0	0
03/06/2022	JD	3	1700	2000	2	2	ENE	0	0	2	2	0	0
03/06/2022	JD	3	1700	2000	3	2	ENE	0	0	2	2	0	0
03/06/2022	PS	6	1720	2020	1	2	SE	0	0	2	2	0	0
03/06/2022	PS	6	1720	2020	2	2	SE	0	0	2	2	0	0
03/06/2022	PS	6	1720	2020	3	1	SE	0	0	2	2	0	0
08/06/2022	JD	1	1330	1630	1	2	SE	0	8	1	2	0	0
08/06/2022	JD	1	1330	1630	2	2	SE	0	8	1	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
08/06/2022	JD	1	1330	1630	3	3	SE	0	8	1	2	0	0
08/06/2022	PS	4	1340	1640	1	2	E	0	8	2	2	0	0
08/06/2022	PS	4	1340	1640	2	2	NE	0	8	2	2	0	0
08/06/2022	PS	4	1340	1640	3	2	NE	0	8	2	2	0	0
08/06/2022	JD	1	1700	2000	1	3	SE	0	8	1	2	0	0
08/06/2022	JD	1	1700	2000	2	3	SE	1	8	1	2	0	0
08/06/2022	JD	1	1700	2000	3	3	SE	1	8	1	2	0	0
08/06/2022	PS	4	1710	2010	1	3	NE	1	8	2	2	0	0
08/06/2022	PS	4	1710	2010	2	3	NE	0	8	2	2	0	0
08/06/2022	PS	4	1710	2010	3	4	NE	1	8	2	2	0	0
25/06/2022	PS	5	0600	0900	1	2	SE	0	2	2	2	0	0
25/06/2022	PS	5	0600	0900	2	2	SE	0	5	2	2	0	0
25/06/2022	PS	5	0600	0900	3	3	SE	0	6	2	2	0	0
25/06/2022	PS	5	0930	1230	1	3	SE	0	5	2	2	0	0
25/06/2022	PS	5	0930	1230	2	3	SE	0	4	2	2	0	0
25/06/2022	PS	5	0930	1230	3	3	SE	0	7	2	2	0	0
13/07/2022	PS	4	1515	1815	1	4	NW	0	4	2	2	0	0
13/07/2022	PS	4	1515	1815	2	4	NW	0	5	2	2	0	0
13/07/2022	PS	4	1515	1815	3	4	NW	0	4	2	2	0	0
13/07/2022	JD	1	1530	1830	1	4	SW	0	8	2	2	0	0
13/07/2022	JD	1	1530	1830	2	4	SW	0	7	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
13/07/2022	JD	1	1530	1830	3	4	SW	0	7	2	2	0	0
14/07/2022	PS	1	0600	0900	1	2	SW	0	8	2	2	0	0
14/07/2022	PS	1	0600	0900	2	1	SW	0	7	2	2	0	0
14/07/2022	PS	1	0600	0900	3	1	SW	0	7	2	2	0	0
14/07/2022	JD	4	0600	0900	1	3	SW	0	8	2	2	0	0
14/07/2022	JD	4	0600	0900	2	3	SW	0	8	2	2	0	0
14/07/2022	JD	4	0600	0900	3	3	SW	0	8	2	2	0	0
18/07/2022	NR	5	0550	0850	1	1	SW	0	7	2	2	0	0
18/07/2022	NR	5	0550	0850	2	1	SW	0	8	2	2	0	0
18/07/2022	NR	5	0550	0850	3	0	-	0	8	2	2	0	0
18/07/2022	NR	5	0920	1220	1	1	S	0	8	2	2	0	0
18/07/2022	NR	5	0920	1220	2	2	S	0	7	2	2	0	0
18/07/2022	NR	5	0920	1220	3	2	SW	0	7	2	2	0	0
28/07/2022	JD	3	0500	0800	1	2	NE	0	4	2	2	0	0
28/07/2022	JD	3	0500	0800	2	2	NE	0	5	2	2	0	0
28/07/2022	JD	3	0500	0800	3	2	NE	0	4	2	2	0	0
28/07/2022	PS	6	0500	0800	1	2	NE	0	4	2	2	0	0
28/07/2022	PS	6	0500	0800	2	2	NE	0	6	2	2	0	0
28/07/2022	PS	6	0500	0800	3	2	NE	0	4	2	2	0	0
28/07/2022	JD	3	0830	1130	1	2	NE	0	6	2	2	0	0
28/07/2022	JD	3	0830	1130	2	2	NE	0	7	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
28/07/2022	JD	3	0830	1130	3	2	NE	0	8	2	2	0	0
28/07/2022	PS	6	0830	1130	1	2	NE	0	6	2	2	0	0
28/07/2022	PS	6	0830	1130	2	3	NE	0	7	2	2	0	0
28/07/2022	PS	6	0830	1130	3	2	NE	0	7	2	2	0	0
20/08/2022	MM	4	1000	1300	1	4	SW	0	5	2	2	0	0
20/08/2022	MM	4	1000	1300	2	3	SW	1	5	2	2	0	0
20/08/2022	MM	4	1000	1300	3	3	SW	0	3	2	2	0	0
20/08/2022	MM	4	1330	1630	1	3	SW	0	5	2	2	0	0
20/08/2022	MM	4	1330	1630	2	4	SW	0	4	2	2	0	0
20/08/2022	MM	4	1330	1630	3	4	SW	0	4	2	2	0	0
24/08/2022	CT	3	0550	0850	1	1	SW	0	5	1	1	0	0
24/08/2022	CT	3	0550	0850	2	1	SW	1	6	1	1	0	0
24/08/2022	CT	3	0550	0850	3	1	SW	1	6	2	2	0	0
24/08/2022	CT	3	0920	1220	1	1	SW	1	6	1	1	0	0
24/08/2022	CT	3	0920	1220	2	1	SW	0	5	2	2	0	0
24/08/2022	CT	3	0920	1220	3	2	SW	0	4	2	2	0	0
25/08/2022	MM	1	1030	1330	1	4	SW	0	5	2	2	0	0
25/08/2022	MM	1	1030	1330	2	3	SW	0	7	2	2	0	0
25/08/2022	MM	1	1030	1330	3	3	SW	0	7	2	2	0	0
25/08/2022	MM	1	1400	1700	1	4	SW	0	7	2	2	0	0
25/08/2022	MM	1	1400	1700	2	4	SW	0	7	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
25/08/2022	MM	1	1400	1700	3	4	SW	0	7	2	2	0	0
26/08/2022	MM	6	0730	1030	1	1	S	0	2	2	2	0	0
26/08/2022	MM	6	0730	1030	2	1	S	0	5	2	2	0	0
26/08/2022	MM	6	0730	1030	3	1	W	0	7	2	2	0	0
26/08/2022	MM	6	1100	1400	1	1	SW	0	6	2	2	0	0
26/08/2022	MM	6	1100	1400	2	1	SW	0	6	2	2	0	0
26/08/2022	MM	6	1100	1400	3	1	SW	0	5	2	2	0	0
27/08/2022	CT	5	0640	0940	1	1	E	0	7	2	2	0	0
27/08/2022	CT	5	0640	0940	2	1	E	0	7	2	2	0	0
27/08/2022	CT	5	0640	0940	3	1	SE	0	7	2	2	0	0
27/08/2022	CT	5	1010	1310	1	1	SW	0	7	2	2	0	0
27/08/2022	CT	5	1010	1310	2	2	SW	0	7	2	2	0	0
27/08/2022	CT	5	1010	1310	3	3	SW	0	7	2	2	0	0
05/09/2022	DS	5	1400	1700	1	3	E	0	5	2	2	0	0
05/09/2022	DS	5	1400	1700	2	3	E	0	5	2	2	0	0
05/09/2022	DS	5	1400	1700	3	3	E	0	5	2	2	0	0
05/09/2022	DS	5	1730	2030	1	3	NE	0	6	2	2	0	0
05/09/2022	DS	5	1730	2030	2	3	NE	0	6	2	2	0	0
05/09/2022	DS	5	1730	2030	3	3	NE	0	6	2	2	0	0
07/09/2022	DS	3	0930	1230	1	3	ESE	4	8	0	1	0	0
07/09/2022	DS	3	0930	1230	2	3	ESE	1	6	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
07/09/2022	DS	3	0930	1230	3	3	ESE	2	8	1	1	0	0
07/09/2022	DS	3	1300	1600	1	4	ESE	0	6	2	2	0	0
07/09/2022	DS	3	1300	1600	2	4	ESE	0	6	2	2	0	0
07/09/2022	DS	3	1300	1600	3	4	ESE	2	8	2	2	0	0
21/09/2022	PS	1	0845	1145	1	2	SSW	0	8	2	2	0	0
21/09/2022	PS	1	0845	1145	2	2	SW	2	8	2	2	0	0
21/09/2022	PS	1	0845	1145	3	2	SW	2	8	2	2	0	0
21/09/2022	PS	3	1230	1530	1	2	SW	2	8	2	2	0	0
21/09/2022	PS	3	1230	1530	2	2	SW	0	8	2	2	0	0
21/09/2022	PS	3	1230	1530	3	3	SW	2	8	2	2	0	0
21/09/2022	PS	5	1610	1910	1	2	SSW	0	8	2	2	0	0
21/09/2022	PS	5	1610	1910	2	1	SSW	0	8	2	2	0	0
21/09/2022	PS	5	1610	1910	3	1	SSW	0	8	2	2	0	0
22/09/2022	PS	4	1100	1400	1	4	W	0	8	2	2	0	0
22/09/2022	PS	4	1100	1400	2	4	W	0	7	2	2	0	0
22/09/2022	PS	4	1100	1400	3	4	W	0	7	2	2	0	0
22/09/2022	PS	6	1450	1750	1	4	W	0	5	2	2	0	0
22/09/2022	PS	6	1450	1750	2	3	W	0	2	2	2	0	0
22/09/2022	PS	6	1450	1750	3	3	W	2	8	2	2	0	0
24/09/2022	CT	3	0905	1205	1	3	NW	2	6	2	2	0	0
24/09/2022	CT	3	0905	1205	2	3	NW	2	6	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
24/09/2022	CT	3	0905	1205	3	2	NW	0	5	2	2	0	0
24/09/2022	CT	5	1235	1535	1	2	N	0	5	2	2	0	0
24/09/2022	CT	5	1235	1535	2	3	N	0	6	2	2	0	0
24/09/2022	CT	5	1235	1535	3	3	NW	0	6	2	2	0	0
29/09/2022	CT	1	0920	1220	1	3	SW	0	4	2	2	0	0
29/09/2022	CT	1	0920	1220	2	3	SW	0	6	2	2	0	0
29/09/2022	CT	1	0920	1220	3	1	ESE	0	3	2	2	0	0
29/09/2022	CT	1	1250	1550	1	3	SW	0	4	2	2	0	0
29/09/2022	CT	1	1250	1550	2	2	S	0	3	2	2	0	0
29/09/2022	CT	1	1250	1550	3	2	S	0	3	2	2	0	0
03/10/2022	PS	3	1145	1445	1	3	SE	0	8	2	2	0	0
03/10/2022	PS	3	1145	1445	2	4	SE	2	8	2	2	0	0
03/10/2022	PS	3	1145	1445	3	2	SE	2	8	2	2	0	0
03/10/2022	PS	3	1515	1815	1	2	SE	2	8	2	2	0	0
03/10/2022	PS	3	1515	1815	2	3	SE	0	8	2	2	0	0
03/10/2022	PS	3	1515	1815	3	3	SE	2	8	2	2	0	0
04/10/2022	PS	3	0810	1110	1	3	SW	2	8	2	2	0	0
04/10/2022	PS	3	0810	1110	2	3	SW	2	8	2	2	0	0
04/10/2022	PS	3	0810	1110	3	3	W	2	8	2	2	0	0
04/10/2022	PS	1	1150	1450	1	3	W	0	7	2	2	0	0
04/10/2022	PS	1	1150	1450	2	3	W	0	6	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
04/10/2022	PS	1	1150	1450	2	3	W	0	6	2	2	0	0
04/10/2022	PS	1	1520	1820	1	4	NW	0	2	2	2	0	0
04/10/2022	PS	1	1520	1820	2	3	NW	0	1	2	2	0	0
04/10/2022	PS	1	1520	1820	3	3	NW	0	1	2	2	0	0
06/10/2022	CT	4	0910	1210	1	4	N	2	7	2	2	0	0
06/10/2022	CT	4	0910	1210	2	5	NE	2	8	2	2	0	0
06/10/2022	CT	4	0910	1210	3	5	N	2	7	2	2	0	0
06/10/2022	CT	4	1240	1540	1	5	N	2	7	2	2	0	0
06/10/2022	CT	4	1240	1540	2	5	N	2	6	2	2	0	0
06/10/2022	CT	4	1240	1540	3	5	NE	0	6	2	2	0	0
06/10/2022	CT	4	1610	1910	1	5	N	0	6	2	2	0	0
06/10/2022	CT	4	1610	1910	2	5	N	2	6	2	1	0	0
06/10/2022	CT	4	1610	1910	3	5	N	0	6	2	2	0	0
10/10/2022	CT	5	0710	1010	1	4	N	0	4	2	2	0	0
10/10/2022	CT	5	0710	1010	2	5	NE	0	3	2	2	0	0
10/10/2022	CT	5	0710	1010	3	5	NE	0	3	2	2	0	0
10/10/2022	CT	5	1100	1400	1	4	NE	0	4	2	2	0	0
10/10/2022	CT	5	1100	1400	2	4	NE	0	3	2	2	0	0
10/10/2022	CT	5	1100	1400	3	5	N	0	4	2	2	0	0
11/10/2022	CT	4	0730	1030	1	4	N	2	7	2	2	0	0
11/10/2022	CT	4	0730	1030	2	3	N	0	8	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
11/10/2022	CT	4	0730	1030	3	3	N	0	8	2	2	0	0
11/10/2022	CT	4	1100	1400	1	4	NE	1	8	2	1	0	0
11/10/2022	CT	4	1100	1400	2	5	NE	1	8	2	1	0	0
11/10/2022	CT	4	1100	1400	3	4	NE	1	8	2	1	0	0
11/10/2022	CT	4	1430	1730	1	4	NE	2	6	2	2	0	0
11/10/2022	CT	4	1430	1730	2	4	N	0	8	1	1	0	0
11/10/2022	CT	4	1430	1730	3	4	N	2	8	2	2	0	0
14/10/2022	PS	1	0800	1100	1	3	NW	0	1	2	2	0	0
14/10/2022	PS	1	0800	1100	2	3	NW	0	2	2	2	0	0
14/10/2022	PS	1	0800	1100	3	3	NW	1	8	2	2	0	0
14/10/2022	PS	1	1130	1430	1	3	NW	1	8	2	2	0	0
14/10/2022	PS	1	1130	1430	2	3	NW	0	5	2	2	0	0
14/10/2022	PS	1	1130	1430	3	3	NW	0	4	2	2	0	0
14/10/2022	PS	5	1520	1820	1	2	NW	0	1	2	2	0	0
14/10/2022	PS	5	1520	1820	2	1	NW	0	2	2	2	0	0
14/10/2022	PS	5	1520	1820	3	1	NW	0	2	2	2	0	0
17/10/2022	PS	6	0830	1130	1	2	NE	1	8	2	2	0	0
17/10/2022	PS	6	0830	1130	2	2	NE	0	8	2	2	0	0
17/10/2022	PS	6	0830	1130	3	2	NE	2	8	2	2	0	0
17/10/2022	PS	6	1200	1500	1	2	NE	2	8	2	2	0	0
17/10/2022	PS	6	1200	1500	2	2	NE	0	8	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
17/10/2022	PS	6	1200	1500	3	1	NE	0	7	2	2	0	0
21/10/2022	CT	6	0900	1200	1	2	S	1	8	1	1	0	0
21/10/2022	CT	6	0900	1200	2	2	S	1	8	2	1	0	0
21/10/2022	CT	6	0900	1200	3	2	SW	1	8	1	1	0	0
26/10/2022	CT	6	0740	1040	1	2	SE	0	7	2	2	0	0
26/10/2022	CT	6	0740	1040	2	2	SE	1	8	2	2	0	0
26/10/2022	CT	6	0740	1040	3	2	SE	0	8	2	2	0	0
05/11/2022	PS	3	0850	1150	1	2	SW	2	8	2	2	0	0
05/11/2022	PS	3	0850	1150	2	2	SW	2	8	2	2	0	0
05/11/2022	PS	5	1130	1330	1	2	SW	0	7	2	2	0	0
05/11/2022	PS	5	1130	1330	2	2	SW	0	6	2	2	0	0
05/11/2022	PS	5	1400	1600	1	2	SW	0	2	2	2	0	0
05/11/2022	PS	5	1400	1600	2	2	SW	0	1	2	2	0	0
09/11/2022	PS	1	0830	1030	1	3	NW	2	8	2	2	0	0
09/11/2022	PS	1	0830	1030	2	3	NW	0	8	2	2	0	0
09/11/2022	PS	1	1100	1300	1	4	NW	2	8	2	2	0	0
09/11/2022	PS	1	1100	1300	2	3	NW	2	7	2	2	0	0
09/11/2022	PS	3	1345	1545	1	4	NW	2	7	2	2	0	0
09/11/2022	PS	3	1345	1545	2	4	NW	2	6	2	2	0	0
12/11/2022	PS	4	1000	1200	1	2	SW	0	8	2	2	0	0
12/11/2022	PS	4	1000	1200	2	2	SW	2	8	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
12/11/2022	PS	4	1230	1430	1	1	SW	0	7	2	2	0	0
12/11/2022	PS	4	1230	1430	2	1	SW	0	8	2	2	0	0
13/11/2022	PS	6	0845	1045	1	2	SW	0	6	2	2	0	0
13/11/2022	PS	6	0845	1045	2	3	SW	0	5	2	2	0	0
13/11/2022	PS	6	1115	1315	1	3	SW	0	4	2	2	0	0
13/11/2022	PS	6	1115	1315	2	3	SW	0	6	2	2	0	0
25/11/2022	CT	6	0845	1145	1	5	NW	0	6	2	2	0	0
25/11/2022	CT	6	0845	1145	2	5	NW	0	6	2	2	0	0
25/11/2022	CT	6	0845	1145	3	5	NW	3	7	2	2	0	0
25/11/2022	CT	6	1215	1515	1	6	NW	2	8	2	1	0	0
25/11/2022	CT	6	1215	1515	2	5	NW	0	6	2	2	0	0
25/11/2022	CT	6	1215	1515	3	6	NW	2	8	2	1	0	0
03/12/2022	NR	1	1010	1310	1	2	SW	0	8	2	2	0	0
03/12/2022	NR	1	1010	1310	2	2	SW	1	8	2	2	0	0
03/12/2022	NR	1	1010	1310	3	2	SW	0	8	2	2	0	0
03/12/2022	NR	1	1340	1440	1	3	SW	0	8	2	2	0	0
07/12/2022	NR	3	0950	1250	1	3	NW	2	7	1	2	0	1
07/12/2022	NR	3	0950	1250	2	3	NW	2	7	1	2	0	1
07/12/2022	NR	3	0950	1250	3	3	NW	2	7	2	2	0	1
07/12/2022	NR	3	1320	1420	1	3	NW	0	8	1	2	0	1
13/12/2022	BJ	5	1100	1330	1	1	NNW	0	1	1	2	2	1



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
13/12/2022	BJ	5	1100	1330	2	1	NW	0	1	1	2	2	1
13/12/2022	BJ	5	1100	1330	3	1	NW	0	1	1	2	2	1
13/12/2022	GR	6	1115	1315	1	2	N	0	3	2	2	2	1
13/12/2022	GR	6	1115	1315	2	1	NNW	0	0	0	2	2	1
16/12/2022	BJ	5	1115	1245	1	0	-	0	7	1	2	2	1
16/12/2022	BJ	5	1115	1245	2	0	-	0	8	1	2	2	1
16/12/2022	GR	6	1115	1245	1	1	S	0	4	2	2	2	1
16/12/2022	GR	6	1115	1245	2	1	S	0	7	2	2	2	1
09/01/2023	BJ	4	1200	1330	1	1	W	1	4	2	2	0	2
09/01/2023	BJ	4	1200	1330	2	1	W	1	4	2	2	0	2
16/01/2023	DP	5	1100	1400	1	4	WNW	2	8	1	1	2	1
16/01/2023	DP	5	1100	1400	2	3	WNW	2	7	1	1	2	1
16/01/2023	DP	5	1100	1400	3	3	WNW	2	7	1	1	2	1
16/01/2023	DP	5	1430	1530	1	4	WNW	2	7	1	1	2	1
23/01/2023	BJ	4	1130	1400	1	3	NW	0	8	2	2	1	2
23/01/2023	BJ	4	1130	1400	2	4	NW	0	7	2	2	1	2
23/01/2023	BJ	4	1130	1400	3	4	NNW	0	8	2	2	1	2
27/01/2023	DP	1	1055	1355	1	4	W	0	5	2	2	0	2
27/01/2023	DP	1	1055	1355	2	5	W	0	5	2	2	0	2
27/01/2023	DP	1	1055	1355	3	6	W	0	7	2	2	0	2
27/01/2023	DP	1	1425	1525	1	5	W	0	7	2	2	0	2



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
01/02/2023	BJ	6	1000	1200	1	5	E	2	7	2	1	0	2
01/02/2023	BJ	6	1000	1200	2	5	E	2	7	2	1	0	2
01/02/2023	BJ	6	1230	1430	1	4	E	1	8	2	2	0	2
01/02/2023	BJ	6	1230	1430	2	5	E	0	8	2	2	0	2
03/02/2023	BJ	3	0955	1155	1	4	SE	2	8	1	2	0	2
03/02/2023	BJ	3	0955	1155	2	4	SE	1	6	1	2	0	2
03/02/2023	BJ	3	1225	1425	1	5	SE	0	5	2	2	0	2
03/02/2023	BJ	3	1225	1425	2	4	SE	0	5	1	2	0	2
14/02/2023	BJ	4	1030	1230	1	3	N	0	6	1	2	0	0
14/02/2023	BJ	4	1030	1230	2	2	NE	0	6	1	2	0	0
14/02/2023	BJ	4	1300	1500	1	4	NE	0	7	2	2	0	0
14/02/2023	BJ	4	1300	1500	2	3	NE	0	7	2	2	0	0
02/03/2023	PS	6	1040	1340	1	2	SE	0	8	2	2	0	0
02/03/2023	PS	6	1040	1340	2	2	SE	0	8	2	2	0	0
02/03/2023	PS	6	1040	1340	3	3	SE	0	7	2	2	0	0
02/03/2023	PS	4	1425	1725	1	2	SE	0	8	2	2	0	0
02/03/2023	PS	4	1425	1725	2	3	SE	0	8	2	2	0	0
02/03/2023	PS	4	1425	1725	3	3	SE	0	8	2	2	0	0
07/03/2023	PS	1	0740	1040	1	3	NNE	0	8	2	2	1	1
07/03/2023	PS	1	0740	1040	2	2	NNE	0	7	2	2	1	1
07/03/2023	PS	1	0740	1040	3	3	NNE	0	3	2	2	1	1



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
07/03/2023	PS	3	1115	1415	1	3	NE	2	8	2	2	1	1
07/03/2023	PS	3	1115	1415	2	4	NE	0	8	2	2	1	1
07/03/2023	PS	3	1115	1415	3	4	NE	2	7	2	2	1	1
07/03/2023	PS	5	1445	1745	1	3	NE	0	7	2	2	1	1
07/03/2023	PS	5	1445	1745	2	3	NE	0	3	2	2	1	1
07/03/2023	PS	5	1445	1745	3	3	NE	0	5	2	2	1	1
16/03/2023	PS	1	0910	1210	1	0	-	0	8	2	2	1	1
16/03/2023	PS	1	0910	1210	2	0	-	2	8	2	2	1	1
16/03/2023	PS	1	0910	1210	3	0	-	1	8	2	2	1	1
16/03/2023	DP	5	0915	1215	1	1	SE	1	8	1	2	0	1
16/03/2023	DP	5	0915	1215	2	1	SE	2	8	1	2	0	1
16/03/2023	DP	5	0915	1215	3	1	SE	1	8	0	1	0	1
16/03/2023	PS	1	1240	1540	1	0	-	1	8	2	2	1	1
16/03/2023	PS	1	1240	1540	2	0	-	0	7	2	2	1	1
16/03/2023	PS	1	1240	1540	3	0	-	0	8	2	2	1	1
16/03/2023	DP	5	1245	1545	1	1	SE	1	8	0	1	0	1
16/03/2023	DP	5	1245	1545	2	1	SE	1	8	0	1	0	1
16/03/2023	DP	5	1245	1545	3	1	SE	1	8	0	1	0	1
18/03/2023	PS	3	1220	1520	1	2	SW	1	8	1	2	0	2
18/03/2023	PS	3	1220	1520	2	2	SW	1	8	2	2	0	2
18/03/2023	PS	3	1220	1520	3	2	SW	0	8	2	2	0	2



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
18/03/2023	PS	3	1550	1850	1	2	SW	0	8	2	2	0	2
18/03/2023	PS	3	1550	1850	2	3	SW	2	8	2	2	0	2
18/03/2023	PS	3	1550	1850	3	3	NW	1	8	2	2	0	2
20/03/2023	DP	4	1050	1350	1	2	SE	0	8	1	2	0	0
20/03/2023	DP	4	1050	1350	2	3	SE	0	8	1	1	0	0
20/03/2023	DP	4	1050	1350	3	3	SE	0	8	1	2	0	0
20/03/2023	DP	4	1420	1720	1	3	SE	0	8	2	2	0	0
20/03/2023	DP	4	1420	1720	2	2	SE	1	8	1	1	0	0
20/03/2023	DP	4	1420	1720	3	2	SE	1	8	0	0	0	0
21/03/2023	DP	6	1040	1340	1	2	SW	0	6	2	2	0	0
21/03/2023	DP	6	1040	1340	2	2	SW	0	5	2	2	0	0
21/03/2023	DP	6	1040	1340	3	2	SW	2	7	2	2	0	0
21/03/2023	DP	6	1410	1710	1	2	SW	2	6	2	2	0	0
21/03/2023	DP	6	1410	1710	2	2	SSW	2	6	2	2	0	0
21/03/2023	DP	6	1410	1710	3	2	SSW	0	6	2	2	0	0
04/04/2023	PS	5	1350	1650	1	3	SW	0	6	2	2	0	0
04/04/2023	PS	5	1350	1650	2	3	SW	0	6	2	2	0	0
04/04/2023	PS	5	1350	1650	3	4	SW	0	8	2	2	0	0
04/04/2023	PS	5	1720	2020	1	4	SW	0	7	2	2	0	0
04/04/2023	PS	5	1720	2020	2	4	SW	0	8	2	2	0	0
04/04/2023	PS	5	1720	2020	3	4	SW	0	7	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
05/04/2023	BJ	3	1400	1700	1	6	ENE	0	8	1	2	0	0
05/04/2023	BJ	3	1400	1700	2	7	NNE	0	7	1	2	0	0
05/04/2023	BJ	3	1400	1700	3	6	NNE	0	8	1	2	0	0
05/04/2023	BJ	3	1730	2030	1	5	NNE	0	8	2	2	0	0
05/04/2023	BJ	3	1730	2030	2	6	NNE	0	6	2	2	0	0
05/04/2023	BJ	3	1730	2030	3	6	NNE	0	6	2	2	0	0
06/04/2023	BJ	4	1110	1410	1	1	E	1	8	1	2	0	0
06/04/2023	BJ	4	1110	1410	2	1	E	1	8	1	2	0	0
06/04/2023	BJ	4	1110	1410	3	1	E	2	8	1	2	0	0
06/04/2023	BJ	4	1440	1740	1	1	E	2	6	1	2	0	0
06/04/2023	BJ	4	1440	1740	2	1	E	2	5	1	2	0	0
06/04/2023	BJ	4	1440	1740	3	1	E	2	6	1	2	0	0
11/04/2023	BJ	1	0930	1230	1	3	E	1	5	2	2	0	0
11/04/2023	BJ	1	0930	1230	2	3	E	1	5	2	2	0	0
11/04/2023	BJ	1	0930	1230	3	3	E	0	6	2	2	0	0
11/04/2023	BJ	1	1300	1600	1	4	E	0	3	2	2	0	0
11/04/2023	BJ	1	1300	1600	2	4	E	0	4	2	2	0	0
11/04/2023	BJ	1	1300	1600	3	3	E	0	4	2	2	0	0
02/05/2023	AB	4	0845	1145	1	3	W	0	7	2	2	0	0
02/05/2023	AB	4	0845	1145	2	2	SE	0	6	2	2	0	0
02/05/2023	AB	4	0845	1145	3	2	SE	0	6	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
02/05/2023	AB	4	1215	1515	1	3	SE	0	6	2	2	0	0
02/05/2023	AB	4	1215	1515	2	2	SE	0	6	2	2	0	0
02/05/2023	AB	4	1215	1515	3	2	SE	0	7	2	2	0	0
08/05/2023	GR	6	1500	1800	1	3	SW	0	8	2	2	0	0
08/05/2023	GR	6	1500	1800	2	4	SW	0	7	2	2	0	0
08/05/2023	GR	6	1500	1800	3	3	SW	0	7	2	2	0	0
08/05/2023	GR	6	1830	2130	1	3	SW	0	7	2	2	0	0
08/05/2023	GR	6	1830	2130	2	3	W	0	5	2	2	0	0
08/05/2023	GR	6	1830	2130	3	2	W	0	5	2	2	0	0
19/05/2023	AB	6	1050	1350	1	2	WSW	0	6	2	2	0	0
19/05/2023	AB	6	1050	1350	2	2	WSW	0	7	2	2	0	0
19/05/2023	AB	6	1050	1350	3	2	WSW	0	5	2	2	0	0
19/05/2023	PES	3	1105	1405	1	3	W	0	4	2	2	0	0
19/05/2023	PES	3	1105	1405	2	4	W	0	3	2	2	0	0
19/05/2023	PES	3	1105	1405	3	5	W	0	3	2	2	0	0
19/05/2023	AB	6	1420	1720	1	2	WSW	0	4	2	2	0	0
19/05/2023	AB	6	1420	1720	2	2	WSW	0	5	2	2	0	0
19/05/2023	AB	6	1420	1720	3	2	WSW	0	4	2	2	0	0
19/05/2023	PES	3	1435	1735	1	4	NW	0	3	2	2	0	0
19/05/2023	PES	3	1435	1735	2	3	NW	0	3	2	2	0	0
19/05/2023	PES	3	1435	1735	3	3	NW	0	3	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
24/05/2023	PES	5	1805	2105	1	5	W	0	0	2	2	0	0
24/05/2023	PES	5	1805	2105	2	5	W	0	1	2	2	0	0
24/05/2023	PES	5	1805	2105	3	5	W	0	1	2	2	0	0
25/05/2023	PES	5	0940	1240	1	4	WSW	0	2	2	2	0	0
25/05/2023	PES	5	0940	1240	2	3	WSW	0	3	2	2	0	0
25/05/2023	PES	5	0940	1240	3	3	WSW	0	2	2	2	0	0
02/06/2023	AB	4	1200	1500	1	2	ESE	0	4	2	2	0	0
02/06/2023	AB	4	1200	1500	2	2	ESE	0	7	2	2	0	0
02/06/2023	AB	4	1200	1500	3	2	E	0	7	2	2	0	0
02/06/2023	AB	4	1530	1830	1	2	E	0	7	2	2	0	0
02/06/2023	AB	4	1530	1830	2	3	E	0	7	2	2	0	0
02/06/2023	AB	4	1530	1830	3	4	E	0	7	2	2	0	0
03/06/2023	AB	1	0530	0830	1	3	NW	0	1	2	2	0	0
03/06/2023	AB	1	0530	0830	2	3	NW	0	1	2	2	0	0
03/06/2023	AB	1	0530	0830	3	2	NW	0	1	2	2	0	0
03/06/2023	AB	1	0900	1200	1	2	NW	0	1	2	2	0	0
03/06/2023	AB	1	0900	1200	2	2	NW	0	1	2	2	0	0
03/06/2023	AB	1	0900	1200	3	2	NW	0	2	2	2	0	0
07/06/2023	PES	6	1515	1815	1	3	E	0	3	1	2	0	0
07/06/2023	PES	6	1515	1815	2	3	ESE	0	3	1	2	0	0
07/06/2023	PES	6	1515	1815	3	3	ESE	0	3	1	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
07/06/2023	PES	3	1905	2205	1	4	E	0	1	1	2	0	0
07/06/2023	PES	3	1905	2205	2	3	E	0	3	1	2	0	0
07/06/2023	PES	3	1905	2205	3	3	E	0	6	1	2	0	0
08/06/2023	PES	3	0430	0730	1	3	NE	0	7	1	2	0	0
08/06/2023	PES	3	0430	0730	2	4	NE	0	6	1	2	0	0
08/06/2023	PES	3	0430	0730	3	4	NE	0	5	1	2	0	0
09/06/2023	PES	6	0515	0815	1	2	NE	0	2	0	1	0	0
09/06/2023	PES	6	0515	0815	2	3	NE	0	2	0	1	0	0
09/06/2023	PES	6	0515	0815	3	2	ENE	0	1	1	2	0	0
10/06/2023	PES	5	0520	0820	1	0	-	0	1	2	2	0	0
10/06/2023	PES	5	0520	0820	2	1	E	0	1	2	2	0	0
10/06/2023	PES	5	0520	0820	3	1	E	0	1	2	2	0	0
10/06/2023	PES	5	0850	1150	1	2	SE	0	1	2	2	0	0
10/06/2023	PES	5	0850	1150	2	3	SSE	0	1	2	2	0	0
10/06/2023	PES	5	0850	1150	3	3	SSE	0	1	2	2	0	0
28/06/2023	PES	1	1545	1845	1	3	W	0	3	1	2	0	0
28/06/2023	PES	1	1545	1845	2	4	WSW	0	3	1	2	0	0
28/06/2023	PES	1	1545	1845	3	4	W	2	4	1	2	0	0
28/06/2023	PES	1	1915	2215	1	4	W	0	3	1	2	0	0
28/06/2023	PES	1	1915	2215	2	4	WNW	0	3	1	2	0	0
28/06/2023	PES	1	1915	2215	3	3	W	0	2	1	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
03/07/2023	PES	5	1605	1905	1	3	WSW	1	8	1	2	0	0
03/07/2023	PES	5	1605	1905	2	4	WSW	1	8	1	2	0	0
03/07/2023	PES	5	1605	1905	3	3	WSW	1	8	1	2	0	0
08/07/2023	PES	3	0650	0950	1	4	ESE	0	1	2	2	0	0
08/07/2023	PES	3	0650	0950	1	5	E	0	1	1	2	0	0
08/07/2023	PES	3	0650	0950	2	3	E	0	1	2	2	0	0
08/07/2023	PES	3	0650	0950	2	5	ESE	0	2	2	2	0	0
08/07/2023	PES	3	0650	0950	3	3	E	0	1	2	2	0	0
08/07/2023	PES	3	0650	0950	3	6	ESE	0	3	2	2	0	0
09/07/2023	PES	5	1610	1910	1	1	SW	0	5	1	2	0	0
09/07/2023	PES	5	1610	1910	2	1	E	0	5	1	2	0	0
09/07/2023	PES	5	1610	1910	3	1	NW	0	6	1	2	0	0
13/07/2023	PES	6	0805	1105	1	2	WNW	0	6	1	2	0	0
13/07/2023	PES	6	0805	1105	2	0	-	0	7	1	2	0	0
13/07/2023	PES	6	0805	1105	3	3	WSW	0	7	1	2	0	0
17/07/2023	PES	6	1415	1715	1	5	W	0	4	1	2	0	0
17/07/2023	PES	6	1415	1715	2	5	W	0	4	1	2	0	0
17/07/2023	PES	6	1415	1715	3	4	W	0	4	1	2	0	0
17/07/2023	PES	4	1805	2105	1	4	W	0	5	1	2	0	0
17/07/2023	PES	4	1805	2105	2	4	W	0	5	1	2	0	0
17/07/2023	PES	4	1805	2105	3	4	W	0	5	1	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
19/07/2023	PES	1	1500	1800	1	4	NW	0	7	1	2	0	0
19/07/2023	PES	1	1500	1800	2	5	NW	0	6	1	2	0	0
19/07/2023	PES	1	1500	1800	3	4	NW	0	5	1	2	0	0
19/07/2023	PES	1	1830	2130	1	4	WNW	0	4	1	2	0	0
19/07/2023	PES	1	1830	2130	2	4	WNW	0	5	1	2	0	0
19/07/2023	PES	1	1830	2130	3	3	W	1	7	1	2	0	0
22/07/2023	PES	4	0545	0845	1	1	SE	0	6	1	2	0	0
22/07/2023	PES	4	0545	0845	2	2	SE	0	8	1	2	0	0
22/07/2023	PES	4	0545	0845	3	1	SE	0	6	1	2	0	0
03/08/2023	PS	6	1140	1440	1	4	NE	2	8	2	2	0	0
03/08/2023	PS	6	1140	1440	2	4	NE	0	8	2	2	0	0
03/08/2023	PS	6	1140	1440	3	4	NE	0	8	2	2	0	0
03/08/2023	PS	4	1520	1820	1	4	NE	0	8	2	2	0	0
03/08/2023	PS	4	1520	1820	2	4	NE	2	8	2	2	0	0
03/08/2023	PS	4	1520	1820	3	4	NE	2	8	2	2	0	0
03/08/2023	PS	4	1850	1950	1	4	NE	2	8	2	2	0	0
09/08/2023	PS	4	0940	1240	1	2	NNW	0	8	2	2	0	0
09/08/2023	PS	4	0940	1240	2	2	NNW	0	8	2	2	0	0
09/08/2023	PS	4	0940	1240	3	3	NNW	0	8	2	2	0	0
09/08/2023	PS	6	1640	1940	1	3	NW	0	8	2	2	0	0
09/08/2023	PS	6	1640	1940	2	3	NW	0	8	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
09/08/2023	PS	6	1640	1940	3	3	NW	0	8	2	2	0	0
14/08/2023	PS	3	0940	1240	1	0	-	0	7	2	2	0	0
14/08/2023	PS	3	0940	1240	2	0	-	0	8	2	2	0	0
14/08/2023	PS	3	0940	1240	3	0	-	0	7	2	2	0	0
14/08/2023	PS	5	1320	1620	1	0	-	0	7	2	2	0	0
14/08/2023	PS	5	1320	1620	2	0	-	0	6	2	2	0	0
14/08/2023	PS	5	1320	1620	3	0	-	2	6	2	2	0	0
18/08/2023	NR	1	1005	1305	1	4	SE	0	8	2	2	0	0
18/08/2023	NR	1	1005	1305	2	5	SE	0	8	2	2	0	0
18/08/2023	NR	1	1005	1305	3	5	SE	0	7	2	2	0	0
23/08/2023	NR	1	0620	0920	1	3	SW	0	2	2	2	0	0
23/08/2023	NR	1	0620	0920	2	3	SW	0	6	2	2	0	0
23/08/2023	NR	1	0620	0920	3	3	SW	0	3	2	2	0	0
24/08/2023	PS	3	0750	1050	1	2	NW	0	6	2	2	0	0
24/08/2023	PS	3	0750	1050	2	2	NW	0	5	2	2	0	0
24/08/2023	PS	3	0750	1050	3	2	NW	0	7	2	2	0	0
24/08/2023	PS	5	1425	1725	1	2	NW	0	7	2	2	0	0
24/08/2023	PS	5	1425	1725	2	3	NW	2	8	2	2	0	0
24/08/2023	PS	5	1425	1725	3	1	NW	0	8	2	2	0	0
07/09/2023	EA	1	1220	1520	1	4	SSE	0	1	2	2	0	0
07/09/2023	EA	1	1220	1520	2	4	SSE	0	1	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
07/09/2023	EA	1	1220	1520	3	4	SSE	0	1	2	2	0	0
07/09/2023	EA	1	1550	1850	1	3	S	0	1	2	2	0	0
07/09/2023	EA	1	1550	1850	2	3	SSW	0	2	2	2	0	0
07/09/2023	EA	1	1550	1850	3	3	S	0	7	2	2	0	0
10/09/2023	EA	3	1430	1730	1	1	SSE	0	8	1	2	0	0
10/09/2023	EA	3	1430	1730	2	2	SE	1	7	1	2	0	0
10/09/2023	EA	3	1430	1730	3	2	SE	2	8	1	1	0	0
11/09/2023	EA	6	1215	1515	1	2	WSW	0	3	2	2	0	0
11/09/2023	EA	6	1215	1515	2	2	W	0	6	2	2	0	0
11/09/2023	EA	6	1215	1515	3	3	WNW	2	7	2	2	0	0
11/09/2023	EA	4	1630	1930	1	4	W	0	3	2	2	0	0
11/09/2023	EA	4	1630	1930	2	4	W	2	5	2	2	0	0
11/09/2023	EA	4	1630	1930	3	4	W	0	3	2	2	0	0
14/09/2023	EA	6	1240	1540	1	5	SW	0	4	2	2	0	0
14/09/2023	EA	6	1240	1540	2	5	SW	2	4	2	2	0	0
14/09/2023	EA	6	1240	1540	3	5	SW	2	5	2	2	0	0
14/09/2023	EA	6	1610	1910	1	5	SW	2	6	2	2	0	0
14/09/2023	EA	6	1610	1910	2	2	SW	0	6	2	2	0	0
14/09/2023	EA	6	1610	1910	3	2	SW	0	2	2	2	0	0
18/09/2023	EA	3	1625	1925	1	5	WNW	0	3	2	2	0	0
18/09/2023	EA	3	1625	1925	2	5	WNW	0	4	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
18/09/2023	EA	3	1625	1925	3	5	WNW	0	3	2	2	0	0
21/09/2023	EA	4	1545	1845	1	5	SW	2	8	1	2	0	0
21/09/2023	EA	4	1545	1845	2	4	SW	2	8	1	2	0	0
21/09/2023	EA	4	1545	1845	3	4	SW	2	8	1	2	0	0
23/09/2023	EA	3	1240	1540	1	3	W	0	8	2	2	0	0
23/09/2023	EA	3	1240	1540	2	2	W	0	7	2	2	0	0
23/09/2023	EA	3	1240	1540	3	2	E	0	7	2	2	0	0
23/09/2023	EA	5	1630	1930	1	3	S	0	5	2	2	0	0
23/09/2023	EA	5	1630	1930	2	3	S	0	4	2	2	0	0
23/09/2023	EA	5	1630	1930	3	3	S	0	8	2	2	0	0
24/09/2023	EA	4	1445	1745	1	4	S	0	8	2	2	0	0
24/09/2023	EA	4	1445	1745	2	5	S	1	8	2	2	0	0
24/09/2023	EA	4	1445	1745	3	5	S	1	8	2	2	0	0
28/09/2023	EA	1	1530	1830	1	5	SSW	0	8	2	2	0	0
28/09/2023	EA	1	1530	1830	2	5	SSW	0	7	2	2	0	0
28/09/2023	EA	1	1530	1830	3	5	SSW	1	8	2	2	0	0
30/09/2023	JM	5	0935	1235	1	3	SW	0	8	2	2	0	0
30/09/2023	JM	5	0935	1235	2	3	SW	0	8	2	2	0	0
30/09/2023	JM	5	0935	1235	3	3	S	0	8	2	2	0	0
30/09/2023	JM	5	1305	1605	1	3	S	0	7	2	2	0	0
30/09/2023	JM	5	1305	1605	2	3	S	0	8	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
30/09/2023	JM	5	1305	1605	3	3	S	0	8	2	2	0	0
02/10/2023	BJ	4	0830	1130	1	3	NE	1	4	2	2	0	0
02/10/2023	BJ	4	0830	1130	2	3	NE	0	4	2	2	0	0
02/10/2023	BJ	4	0830	1130	3	3	NE	1	4	2	2	0	0
02/10/2023	BJ	4	1200	1500	1	4	NE	0	3	2	2	0	0
02/10/2023	BJ	4	1200	1500	2	3	NE	1	6	2	2	0	0
02/10/2023	BJ	4	1200	1500	3	2	NE	2	5	2	2	0	0
02/10/2023	BJ	4	1530	1830	1	2	NE	1	3	2	2	0	0
02/10/2023	BJ	4	1530	1830	2	3	NE	1	5	2	2	0	0
02/10/2023	BJ	4	1530	1830	3	3	NE	1	4	2	2	0	0
03/10/2023	BJ	6	0830	1130	1	1	E	2	8	2	2	0	0
03/10/2023	BJ	6	0830	1130	2	1	E	2	8	2	2	0	0
03/10/2023	BJ	6	0830	1130	3	1	E	1	7	2	2	0	0
03/10/2023	BJ	6	1200	1500	1	1	E	1	5	2	2	0	0
03/10/2023	BJ	6	1200	1500	2	2	E	0	6	2	2	0	0
03/10/2023	BJ	6	1200	1500	3	1	E	1	7	2	2	0	0
03/10/2023	BJ	6	1530	1830	1	3	SSE	2	8	2	2	0	0
03/10/2023	BJ	6	1530	1830	2	4	E	1	6	2	2	0	0
03/10/2023	BJ	6	1530	1830	3	4	E	1	6	2	2	0	0
04/10/2023	PS	1	0740	1040	1	3	NW	2	8	2	2	0	0
04/10/2023	PS	1	0740	1040	2	4	NW	2	8	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
04/10/2023	PS	1	0740	1040	3	4	NW	2	8	2	2	0	0
04/10/2023	PS	1	1110	1410	1	4	NW	0	8	2	2	0	0
04/10/2023	PS	1	1110	1410	2	4	NW	0	7	2	2	0	0
04/10/2023	PS	1	1110	1410	3	4	NW	0	3	2	2	0	0
04/10/2023	PS	3	1510	1810	1	4	NW	0	2	2	2	0	0
04/10/2023	PS	3	1510	1810	2	4	NW	0	3	2	2	0	0
04/10/2023	PS	3	1510	1810	3	4	NW	0	2	2	2	0	0
11/10/2023	PS	1	0815	1115	1	4	W	0	6	2	2	0	0
11/10/2023	PS	1	0815	1115	2	4	W	2	5	2	2	0	0
11/10/2023	PS	1	0815	1115	3	5	W	2	3	2	2	0	0
11/10/2023	PS	3	1210	1510	1	4	W	0	4	2	2	0	0
11/10/2023	PS	3	1210	1510	2	4	W	0	7	2	2	0	0
11/10/2023	PS	3	1210	1510	3	4	W	0	8	2	2	0	0
11/10/2023	PS	3	1540	1840	1	4	W	0	6	2	2	0	0
11/10/2023	PS	3	1540	1840	2	5	NW	2	8	2	2	0	0
11/10/2023	PS	3	1540	1840	3	5	NW	2	8	2	2	0	0
12/10/2023	PS	5	0825	1125	1	2	NW	0	8	2	2	0	0
12/10/2023	PS	5	0825	1125	2	2	NW	0	8	2	2	0	0
12/10/2023	PS	5	0825	1125	3	1	NW	0	8	2	2	0	0
12/10/2023	PS	5	1155	1455	1	3	NW	0	8	2	2	0	0
12/10/2023	PS	5	1155	1455	2	3	NW	0	8	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
12/10/2023	PS	5	1155	1455	3	1	NW	1	8	2	2	0	0
12/10/2023	PS	5	1525	1825	1	3	NW	0	8	2	2	0	0
12/10/2023	PS	5	1525	1825	2	4	NW	0	8	2	2	0	0
12/10/2023	PS	5	1525	1825	3	4	NW	0	8	2	2	0	0
04/11/2023	PS	3	0725	1025	1	0	-	0	0	2	2	0	0
04/11/2023	PS	3	0725	1025	2	0	-	0	2	2	2	0	0
04/11/2023	PS	3	0725	1025	3	0	-	0	0	2	2	0	0
04/11/2023	PS	5	1325	1625	1	0	-	0	1	2	2	0	0
04/11/2023	PS	5	1325	1625	2	0	-	0	1	2	2	0	0
04/11/2023	PS	5	1325	1625	3	0	-	0	2	2	2	0	0
06/11/2023	BJ	4	0930	1200	1	2	SW	0	6	2	2	0	0
06/11/2023	BJ	4	0930	1200	2	2	SW	0	5	2	2	0	0
06/11/2023	BJ	4	0930	1200	3	2	SW	0	3	2	2	0	0
06/11/2023	BJ	4	1230	1500	1	2	SW	0	4	2	2	0	0
06/11/2023	BJ	4	1230	1500	2	2	SW	0	3	2	2	0	0
06/11/2023	BJ	4	1230	1500	3	2	SW	0	2	2	2	0	0
07/11/2023	PS	5	0840	1040	1	2	NW	0	6	2	2	0	0
07/11/2023	PS	5	0840	1040	2	2	NW	0	7	2	2	0	0
07/11/2023	PS	3	1340	1540	1	2	NW	3	7	2	2	0	0
07/11/2023	PS	3	1340	1540	2	1	NW	0	5	2	2	0	0
20/11/2023	BJ	6	0930	1200	1	2	SE	2	8	1	1	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
20/11/2023	BJ	6	0930	1200	2	2	SE	2	8	1	1	0	0
20/11/2023	BJ	6	0930	1200	3	2	SE	2	8	1	1	0	0
20/11/2023	BJ	6	1230	1500	1	2	SE	2	8	1	1	0	0
20/11/2023	BJ	6	1230	1500	2	2	SE	2	8	1	1	0	0
20/11/2023	BJ	6	1230	1500	3	2	SE	2	8	1	1	0	0
21/11/2023	BJ	1	1000	1230	1	2	S	0	7	2	2	0	0
21/11/2023	BJ	1	1000	1230	2	2	S	0	8	2	2	0	0
21/11/2023	BJ	1	1000	1230	3	1	S	0	8	2	2	0	0
21/11/2023	BJ	1	1300	1530	1	2	S	0	8	2	2	0	0
21/11/2023	BJ	1	1300	1530	2	2	S	0	8	2	2	0	0
21/11/2023	BJ	1	1300	1530	3	2	S	0	8	2	2	0	0
06/12/2023	PS	1	1040	1240	1	2	NNE	0	7	2	2	1	2
06/12/2023	PS	1	1040	1240	2	2	NNE	0	8	2	2	1	2
06/12/2023	PS	1	1310	1510	1	1	NNE	0	8	2	2	1	2
06/12/2023	PS	1	1310	1510	2	2	NNE	0	8	2	2	1	2
16/12/2023	PS	3	0950	1150	1	5	SW	2	8	2	2	0	0
16/12/2023	PS	3	0950	1150	2	4	SW	2	8	2	2	0	0
16/12/2023	AC	6	0950	1150	1	5	WSW	2	7	2	2	0	0
16/12/2023	AC	6	0950	1150	2	5	WSW	1	7	2	2	0	0
16/12/2023	PS	3	1220	1420	1	4	SW	2	8	2	2	0	0
16/12/2023	PS	3	1220	1420	2	4	SW	2	8	2	2	0	0



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
16/12/2023	AC	6	1220	1420	1	5	WSW	2	8	2	2	0	0
16/12/2023	AC	6	1220	1420	2	5	WSW	2	8	2	2	0	0
17/12/2023	PS	5	0930	1130	1	5	SW	0	8	2	2	0	0
17/12/2023	PS	5	0930	1130	2	5	SW	2	8	2	2	0	0
17/12/2023	AC	4	1000	1200	1	5	SW	2	8	1	2	0	0
17/12/2023	AC	4	1000	1200	2	5	SW	2	8	1	2	0	0
17/12/2023	PS	5	1200	1400	1	5	SW	0	8	2	2	0	0
17/12/2023	PS	5	1200	1400	2	5	SW	0	8	2	2	0	0
17/12/2023	AC	4	1230	1430	1	5	SW	0	6	1	2	0	0
17/12/2023	AC	4	1230	1430	2	5	SW	0	7	1	2	0	0
03/01/2024	PS	3	0850	1050	1	2	SW	0	8	2	2	2	1
03/01/2024	PS	3	0850	1050	2	2	SW	1	8	2	2	2	1
03/01/2024	PS	3	1350	1550	1	2	SW	1	8	2	2	2	1
03/01/2024	PS	3	1350	1550	2	2	SW	2	8	2	2	2	1
04/01/2024	PS	1	1130	1330	1	2	SW	0	2	2	2	2	1
04/01/2024	PS	1	1130	1330	2	2	SW	0	3	2	2	2	1
04/01/2024	PS	1	1400	1600	1	2	SW	0	3	2	2	2	1
04/01/2024	PS	1	1400	1600	2	2	SW	0	1	2	2	2	1
08/01/2024	PS	6	1120	1320	1	0	-	0	0	2	2	2	1
08/01/2024	PS	6	1120	1320	2	0	-	0	0	2	2	2	1
08/01/2024	PS	6	1350	1550	1	0	-	0	1	2	2	2	1



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
08/01/2024	PS	6	1350	1550	2	0	-	0	2	2	2	2	1
09/01/2024	PS	4	1415	1615	1	0	-	0	2	2	2	2	1
09/01/2024	PS	4	1415	1615	2	0	-	0	3	2	2	2	1
11/01/2024	PS	4	0840	1040	1	0	-	0	1	2	2	2	1
11/01/2024	PS	4	0840	1040	2	0	-	0	0	2	2	2	1
21/01/2024	PS	5	0840	1040	1	2	NE	0	3	2	2	1	2
21/01/2024	PS	5	0840	1040	2	2	NE	0	3	2	2	1	2
21/01/2024	PS	5	1110	1310	1	2	NE	2	8	2	2	1	2
21/01/2024	PS	5	1110	1310	2	3	NE	0	8	2	2	1	2
05/02/2024	PS	5	0750	0950	1	0	-	2	8	2	2	0	0
05/02/2024	PS	5	0750	0950	2	0	-	2	8	2	2	0	0
05/02/2024	PS	5	1020	1320	1	0	-	2	8	2	2	0	0
05/02/2024	PS	5	1020	1320	2	0	-	2	8	2	2	0	0
05/02/2024	PS	5	1020	1320	3	0	-	2	8	2	2	0	0
20/02/2024	JDP	6	1115	1345	1	5	WSW	0	2	2	2	0	0
20/02/2024	JDP	6	1115	1345	2	5	WSW	0	1	2	2	0	0
20/02/2024	JDP	6	1115	1345	3	6	WSW	2	7	2	2	0	0
20/02/2024	JDP	6	1415	1615	1	6	WSW	0	2	2	2	0	0
20/02/2024	JDP	6	1415	1615	2	6	WSW	4	8	2	2	0	0
21/02/2024	PS	1	1105	1405	1	4	SW	0	4	2	2	0	2
21/02/2024	PS	1	1105	1405	2	4	SW	0	6	2	2	0	2



Date	Observer	VP	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
21/02/2024	PS	1	1105	1405	3	4	SW	0	5	2	2	0	2
21/02/2024	PS	1	1435	1635	1	3	SW	0	5	2	2	0	2
21/02/2024	PS	1	1435	1635	2	4	SW	2	7	2	2	0	2
22/02/2024	PS	3	0745	1045	1	3	WSW	0	8	2	2	0	2
22/02/2024	PS	3	0745	1045	2	4	SW	0	8	2	2	0	2
22/02/2024	PS	3	0745	1045	3	4	SW	0	6	2	2	0	2
22/02/2024	PS	3	1115	1315	1	4	SW	0	5	2	2	0	2
22/02/2024	PS	3	1115	1315	2	4	SW	0	6	2	2	0	2
23/02/2024	JDP	6	0900	0930	1	5	W	0	7	2	2	1	2
23/02/2024	JDP	4	1000	1230	1	4	WNW	0	7	2	2	1	1
23/02/2024	JDP	4	1000	1230	2	5	W	0	6	2	2	1	1
23/02/2024	JDP	4	1000	1230	3	5	W	0	8	2	1	1	1
23/02/2024	JDP	4	1300	1530	1	4	W	0	6	2	2	1	1
23/02/2024	JDP	4	1300	1530	2	4	W	0	5	2	2	0	1
23/02/2024	JDP	4	1300	1530	3	4	W	0	4	2	2	0	1

C.2 Scarce Breeding Bird Surveys

Scarce breeding bird surveys were undertaken during the 2020, 2021 and 2024 breeding seasons. **Table C-4** details survey dates and weather data recorded. Refer to **Annex B** for survey methodology and **Annex D** for survey results.



Table C-4: 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
29/04/2020	1	MW	0630	1230	1	3	SE	0	8	2	2	0	0
29/04/2020	1	MW	0630	1230	2	4	SE	0	8	2	2	0	0
29/04/2020	1	MW	0630	1230	3	4	SE	0	7	2	2	0	0
29/04/2020	1	MW	0630	1230	4	4	SE	0	7	2	2	0	0
29/04/2020	1	MW	0630	1230	5	4	SE	0	8	2	2	0	0
29/04/2020	1	MW	0630	1230	6	4	SE	0	8	2	2	0	0
30/04/2020	1	MW	0530	1130	1	2	ENE	2	8	2	2	0	0
30/04/2020	1	MW	0530	1130	2	3	ENE	0	8	2	2	0	0
30/04/2020	1	MW	0530	1130	3	3	ENE	0	7	2	2	0	0
30/04/2020	1	MW	0530	1130	4	4	ENE	0	8	2	2	0	0
30/04/2020	1	MW	0530	1130	5	4	ENE	0	8	2	2	0	0
30/04/2020	1	MW	0530	1130	6	4	ENE	0	8	2	2	0	0
01/05/2020	2	MW	0520	1120	1	0	-	0	8	2	2	0	0
01/05/2020	2	MW	0520	1120	2	1	N	0	8	2	2	0	0
01/05/2020	2	MW	0520	1120	3	1	N	0	7	2	2	0	0
01/05/2020	2	MW	0520	1120	4	1	N	0	4	2	2	0	0
01/05/2020	2	MW	0520	1120	5	1	N	0	4	2	2	0	0
01/05/2020	2	MW	0520	1120	6	1	N	0	4	2	2	0	0
13/05/2020	2	MW	0600	1200	1	4	NE	0	3	2	2	1	0
13/05/2020	2	MW	0600	1200	2	4	NE	0	3	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
13/05/2020	2	MW	0600	1200	3	4	NE	0	4	2	2	0	0
13/05/2020	2	MW	0600	1200	4	3	NE	0	5	2	2	0	0
13/05/2020	2	MW	0600	1200	5	3	NE	0	6	2	2	0	0
13/05/2020	2	MW	0600	1200	6	3	NE	0	6	2	2	0	0
18/05/2020	2	MW	0630	1230	1	3	WSW	0	8	2	2	0	0
18/05/2020	2	MW	0630	1230	2	4	WSW	0	8	2	2	0	0
18/05/2020	2	MW	0630	1230	3	4	WSW	0	8	2	2	0	0
18/05/2020	2	MW	0630	1230	4	5	WSW	0	8	2	2	0	0
18/05/2020	2	MW	0630	1230	5	5	WSW	0	8	2	2	0	0
18/05/2020	2	MW	0630	1230	6	5	WSW	0	8	2	2	0	0
25/05/2020	2	MW	0700	1300	1	3	SSW	0	4	2	2	0	0
25/05/2020	2	MW	0700	1300	2	3	SSW	0	3	2	2	0	0
25/05/2020	2	MW	0700	1300	3	3	SSW	0	4	2	2	0	0
25/05/2020	2	MW	0700	1300	4	3	SSW	0	4	2	2	0	0
25/05/2020	2	MW	0700	1300	5	4	SW	0	5	2	2	0	0
25/05/2020	2	MW	0700	1300	6	4	SW	0	6	2	2	0	0
15/06/2020	3	MW	0800	1400	1	1	NNE	0	8	2	2	0	0
15/06/2020	3	MW	0800	1400	2	2	NNE	0	6	2	2	0	0
15/06/2020	3	MW	0800	1400	3	3	NNE	0	6	2	2	0	0
15/06/2020	3	MW	0800	1400	4	3	NNE	0	6	2	2	0	0
15/06/2020	3	MW	0800	1400	5	3	NNE	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
15/06/2020	3	MW	0800	1400	6	4	NNE	0	6	2	2	0	0
16/06/2020	3	MW	0530	1130	1	1	NNE	0	8	1	1	0	0
16/06/2020	3	MW	0530	1130	2	1	NNE	0	8	1	1	0	0
16/06/2020	3	MW	0530	1130	3	2	NNE	0	8	2	2	0	0
16/06/2020	3	MW	0530	1130	4	2	N	0	8	2	2	0	0
16/06/2020	3	MW	0530	1130	5	2	N	0	8	2	2	0	0
16/06/2020	3	MW	0530	1130	6	2	N	0	8	2	2	0	0
09/07/2020	4	MW	0700	1300	1	2	E	0	3	2	2	0	0
09/07/2020	4	MW	0700	1300	2	2	E	0	4	2	2	0	0
09/07/2020	4	MW	0700	1300	3	3	E	0	5	2	2	0	0
09/07/2020	4	MW	0700	1300	4	3	E	0	4	2	2	0	0
09/07/2020	4	MW	0700	1300	5	3	E	0	5	2	2	0	0
09/07/2020	4	MW	0700	1300	6	3	E	0	4	2	2	0	0
10/07/2020	4	MW	0500	1100	1	6	N	3	8	2	2	0	0
10/07/2020	4	MW	0500	1100	2	6	N	0	8	2	2	0	0
10/07/2020	4	MW	0500	1100	3	6	N	0	7	2	2	0	0
10/07/2020	4	MW	0500	1100	4	6	N	0	8	2	2	0	0
10/07/2020	4	MW	0500	1100	5	6	N	0	8	2	2	0	0
10/07/2020	4	MW	0500	1100	6	7	N	0	7	2	2	0	0
18/08/2020	5	MW	0700	1300	1	1	ENE	0	8	2	2	0	0
18/08/2020	5	MW	0700	1300	2	2	ENE	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
18/08/2020	5	MW	0700	1300	3	3	ENE	0	8	2	2	0	0
18/08/2020	5	MW	0700	1300	4	3	ENE	0	8	2	2	0	0
18/08/2020	5	MW	0700	1300	5	3	ENE	2	8	2	2	0	0
18/08/2020	5	MW	0700	1300	6	3	ENE	2	8	2	2	0	0
25/03/2021	6	MW	0730	1330	1	6	SSW	2	8	1	1	0	0
25/03/2021	6	MW	0730	1330	2	6	SSW	2	8	1	1	0	0
25/03/2021	6	MW	0730	1330	3	6	SSW	2	8	2	2	0	0
25/03/2021	6	MW	0730	1330	4	6	SSW	2	8	2	2	0	0
25/03/2021	6	MW	0730	1330	5	6	SSW	2	8	2	2	0	0
25/03/2021	6	MW	0730	1330	6	6	SSW	2	8	2	2	0	0
26/03/2021	6	MW	0600	1100	1	5	W	3	8	2	2	0	0
26/03/2021	6	MW	0600	1100	2	5	W	3	8	2	2	0	0
26/03/2021	6	MW	0600	1100	3	6	SSW	3	8	1	1	0	1
26/03/2021	6	MW	0600	1100	4	6	SSW	3	7	2	2	0	0
26/03/2021	6	MW	0600	1100	5	6	SSW	0	7	2	2	0	0
21/04/2021	7	MW	0700	1300	1	3	NW	0	4	2	2	1	0
21/04/2021	7	MW	0700	1300	2	3	NW	0	5	2	2	0	0
21/04/2021	7	MW	0700	1300	3	4	NW	0	4	2	2	0	0
21/04/2021	7	MW	0700	1300	4	4	WNW	0	3	2	2	0	0
21/04/2021	7	MW	0700	1300	5	4	WNW	0	3	2	2	0	0
21/04/2021	7	MW	0700	1300	6	5	WNW	0	3	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
26/04/2021	7	MW	0645	1245	1	3	WSW	0	5	2	2	1	0
26/04/2021	7	MW	0645	1245	2	3	WSW	0	5	2	2	0	0
26/04/2021	7	MW	0645	1245	3	4	WSW	0	6	2	2	0	0
26/04/2021	7	MW	0645	1245	4	5	WSW	0	6	2	2	0	0
26/04/2021	7	MW	0645	1245	5	5	WSW	0	7	2	2	0	0
26/04/2021	7	MW	0645	1245	6	5	WSW	0	8	2	2	0	0
27/04/2021	7	MW	0600	1200	1	2	NNE	0	8	2	2	0	0
27/04/2021	7	MW	0600	1200	2	3	NNE	0	8	2	2	0	0
27/04/2021	7	MW	0600	1200	3	3	NNE	0	8	2	2	0	0
27/04/2021	7	MW	0600	1200	4	4	NNE	0	8	2	2	0	0
27/04/2021	7	MW	0600	1200	5	4	NNE	0	7	2	2	0	0
27/04/2021	7	MW	0600	1200	6	4	NNE	2	8	2	2	0	0
17/05/2021	8	MW	0615	1215	1	3	W	0	8	1	1	0	0
17/05/2021	8	MW	0615	1215	2	3	W	0	8	2	2	0	0
17/05/2021	8	MW	0615	1215	3	4	W	0	8	2	2	0	0
17/05/2021	8	MW	0615	1215	4	4	W	0	8	2	2	0	0
17/05/2021	8	MW	0615	1215	5	3	W	0	8	2	2	0	0
17/05/2021	8	MW	0615	1215	6	2	W	0	7	2	2	0	0
18/05/2021	8	MW	0700	1300	1	2	SW	0	8	2	2	0	0
18/05/2021	8	MW	0700	1300	2	2	SW	0	8	2	2	0	0
18/05/2021	8	MW	0700	1300	3	3	SW	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
18/05/2021	8	MW	0700	1300	4	3	SW	0	8	2	2	0	0
18/05/2021	8	MW	0700	1300	5	3	SW	0	7	2	2	0	0
18/05/2021	8	MW	0700	1300	6	4	SW	0	7	2	2	0	0
19/05/2021	8	MW	0630	1230	1	3	W	0	8	2	2	0	0
19/05/2021	8	MW	0630	1230	2	3	W	0	7	2	2	0	0
19/05/2021	8	MW	0630	1230	3	3	WNW	0	6	2	2	0	0
19/05/2021	8	MW	0630	1230	4	3	WNW	0	8	2	2	0	0
19/05/2021	8	MW	0630	1230	5	4	WNW	0	8	2	2	0	0
19/05/2021	8	MW	0630	1230	6	4	WNW	0	7	2	2	0	0
14/06/2021	9	MW	0715	1315	1	6	SW	0	8	2	2	0	0
14/06/2021	9	MW	0715	1315	2	6	SW	0	8	2	2	0	0
14/06/2021	9	MW	0715	1315	3	6	SW	0	8	2	2	0	0
14/06/2021	9	MW	0715	1315	4	6	SW	0	8	2	2	0	0
14/06/2021	9	MW	0715	1315	5	6	SW	3	8	2	2	0	0
14/06/2021	9	MW	0715	1315	6	6	SW	3	8	2	2	0	0
15/06/2021	9	MW	0700	1300	1	3	S	0	8	2	2	0	0
15/06/2021	9	MW	0700	1300	2	3	S	0	8	2	2	0	0
15/06/2021	9	MW	0700	1300	3	4	S	0	7	2	2	0	0
15/06/2021	9	MW	0700	1300	4	3	S	0	8	2	2	0	0
15/06/2021	9	MW	0700	1300	5	3	S	0	8	2	2	0	0
15/06/2021	9	MW	0700	1300	6	3	S	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
16/06/2021	9	MW	0700	1300	1	3	SW	4	8	2	2	0	0
16/06/2021	9	MW	0700	1300	2	3	SW	3	8	2	2	0	0
16/06/2021	9	MW	0700	1300	3	1	SW	3	8	2	2	0	0
16/06/2021	9	MW	0700	1300	4	1	SW	0	8	2	2	0	0
16/06/2021	9	MW	0700	1300	5	2	SW	0	8	2	2	0	0
16/06/2021	9	MW	0700	1300	6	2	SW	0	7	2	2	0	0
01/07/2021	10	MW	0730	1330	1	1	SE	0	8	2	2	0	0
01/07/2021	10	MW	0730	1330	2	1	SE	0	4	2	2	0	0
01/07/2021	10	MW	0730	1330	3	2	SE	0	4	2	2	0	0
01/07/2021	10	MW	0730	1330	4	2	SE	0	5	2	2	0	0
01/07/2021	10	MW	0730	1330	5	2	SE	0	4	2	2	0	0
01/07/2021	10	MW	0730	1330	6	2	SE	0	4	2	2	0	0
02/07/2021	10	MW	0430	1030	1	1	ESE	0	7	2	2	0	0
02/07/2021	10	MW	0430	1030	2	2	E	0	2	2	2	0	0
02/07/2021	10	MW	0430	1030	3	2	E	0	3	2	2	0	0
02/07/2021	10	MW	0430	1030	4	2	ESE	0	3	2	2	0	0
02/07/2021	10	MW	0430	1030	5	2	ESE	0	3	2	2	0	0
02/07/2021	10	MW	0430	1030	6	2	E	0	3	2	2	0	0
12/08/2021	11	MW	0700	1300	1	6	S	0	8	2	2	0	0
12/08/2021	11	MW	0700	1300	2	6	S	0	8	2	2	0	0
12/08/2021	11	MW	0700	1300	3	6	S	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
12/08/2021	11	MW	0700	1300	4	6	S	0	8	2	2	0	0
12/08/2021	11	MW	0700	1300	5	6	S	0	8	2	2	0	0
12/08/2021	11	MW	0700	1300	6	6	S	0	7	2	2	0	0
13/08/2021	11	MW	0530	1130	1	6	SW	0	8	2	2	0	0
13/08/2021	11	MW	0530	1130	2	6	SW	3	8	2	2	0	0
13/08/2021	11	MW	0530	1130	3	6	SW	4	8	2	2	0	0
13/08/2021	11	MW	0530	1130	4	5	SW	3	8	2	2	0	0
13/08/2021	11	MW	0530	1130	5	5	SW	0	8	2	2	0	0
13/08/2021	11	MW	0530	1130	6	5	SW	0	8	2	2	0	0
15/03/2024	12	MW	0730	1330	1	3	SSW	1	8	0	0	0	0
15/03/2024	12	MW	0730	1330	2	3	SSW	1	8	0	0	0	0
15/03/2024	12	MW	0730	1330	3	4	SSW	4	8	1	1	0	0
15/03/2024	12	MW	0730	1330	4	4	SSW	4	8	1	1	0	0
15/03/2024	12	MW	0730	1330	5	4	SSW	4	8	1	1	0	0
15/03/2024	12	MW	0730	1330	6	4	SSW	3	8	1	1	0	0
29/03/2024	12	JRM	0915	1515	1	3	S	0	5	2	2	0	0
29/03/2024	12	JRM	0915	1515	2	3	S	0	6	2	2	0	0
29/03/2024	12	JRM	0915	1515	3	3	S	2	7	2	2	0	0
29/03/2024	12	JRM	0915	1515	4	3	S	0	8	2	2	0	0
29/03/2024	12	JRM	0915	1515	5	3	SSE	3	8	2	1	0	0
29/03/2024	12	JRM	0915	1515	6	3	SSE	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
02/04/2024	13	JRM	0945	1545	1	2	ESE	0	8	2	2	0	0
02/04/2024	13	JRM	0945	1545	2	2	SSE	0	8	2	2	0	0
02/04/2024	13	JRM	0945	1545	3	2	SSE	0	8	2	2	0	0
02/04/2024	13	JRM	0945	1545	4	2	SSE	3	8	1	1	0	0
02/04/2024	13	JRM	0945	1545	5	3	SSE	2	8	1	1	0	0
02/04/2024	13	JRM	0945	1545	6	3	SSE	0	8	2	2	0	0
08/04/2024	13	JRM	0930	1530	1	3	S	0	6	2	2	0	0
08/04/2024	13	JRM	0930	1530	2	3	SSE	0	7	2	2	0	0
08/04/2024	13	JRM	0930	1530	3	2	SE	2	8	2	2	0	0
08/04/2024	13	JRM	0930	1530	4	2	SE	2	8	2	2	0	0
08/04/2024	13	JRM	0930	1530	5	2	SE	2	8	2	2	0	0
08/04/2024	13	JRM	0930	1530	6	2	SE	2	8	2	2	0	0
09/04/2024	13	JRM	0900	1500	1	3	NW	4	8	0	0	0	0
09/04/2024	13	JRM	0900	1500	2	3	NW	3	8	0	0	0	0
09/04/2024	13	JRM	0900	1500	3	3	NW	1	8	0	0	0	0
09/04/2024	13	JRM	0900	1500	4	4	NW	0	7	1	1	0	0
09/04/2024	13	JRM	0900	1500	5	4	NW	0	7	1	2	0	0
09/04/2024	13	JRM	0900	1500	6	4	NW	0	7	2	2	0	0
27/05/2024	14	JRM	1000	1600	1	3	W	1	8	0	1	0	0
27/05/2024	14	JRM	1000	1600	2	3	W	0	8	1	2	0	0
27/05/2024	14	JRM	1000	1600	3	3	W	2	8	0	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	14	JRM	1000	1600	4	3	W	1	8	0	0	0	0
27/05/2024	14	JRM	1000	1600	5	3	W	1	8	0	0	0	0
27/05/2024	14	JRM	1000	1600	6	3	W	1	8	0	0	0	0
28/05/2024	14	JRM	1000	1600	1	3	SE	3	8	2	2	0	0
28/05/2024	14	JRM	1000	1600	2	3	SSE	2	8	2	2	0	0
28/05/2024	14	JRM	1000	1600	3	3	SE	2	8	2	2	0	0
28/05/2024	14	JRM	1000	1600	4	4	SE	3	8	2	2	0	0
28/05/2024	14	JRM	1000	1600	5	4	SE	3	8	2	2	0	0
28/05/2024	14	JRM	1000	1600	6	3	ESE	4	8	2	2	0	0
29/05/2024	14	JRM	1000	1600	1	2	W	2	8	1	1	0	0
29/05/2024	14	JRM	1000	1600	2	3	W	2	8	1	1	0	0
29/05/2024	14	JRM	1000	1600	3	3	WNW	0	8	2	2	0	0
29/05/2024	14	JRM	1000	1600	4	4	WNW	0	8	2	2	0	0
29/05/2024	14	JRM	1000	1600	5	4	WNW	2	8	2	2	0	0
29/05/2024	14	JRM	1000	1600	6	4	WNW	0	8	2	2	0	0
10/06/2024	15	JRM	1000	1600	1	4	NW	0	8	2	2	0	0
10/06/2024	15	JRM	1000	1600	2	4	NW	0	8	2	2	0	0
10/06/2024	15	JRM	1000	1600	3	5	NW	0	8	2	2	0	0
10/06/2024	15	JRM	1000	1600	4	5	NW	0	8	2	2	0	0
10/06/2024	15	JRM	1000	1600	5	5	NW	0	8	2	2	0	0
10/06/2024	15	JRM	1000	1600	6	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
12/06/2024	15	JRM	0645	1500	1	2	W	0	4	2	2	0	0
12/06/2024	15	JRM	0645	1500	2	2	W	0	6	2	2	0	0
12/06/2024	15	JRM	0645	1500	3	3	W	0	8	2	2	0	0
12/06/2024	15	JRM	0645	1500	4	3	WNW	0	8	2	2	0	0
12/06/2024	15	JRM	0645	1500	5	2	WNW	0	8	2	2	0	0
12/06/2024	15	JRM	0645	1500	6	2	WNW	0	8	2	2	0	0
12/06/2024	15	JRM	0645	1500	7	2	WNW	0	7	2	2	0	0
12/06/2024	15	JRM	0645	1500	8	2	WNW	0	7	2	2	0	0
12/06/2024	15	JRM	0645	1500	9	2	WNW	0	7	2	2	0	0
14/06/2024	15	JRM	0925	1310	1	2	W	2	8	2	2	0	0
14/06/2024	15	JRM	0925	1310	2	2	W	4	8	2	1	0	0
14/06/2024	15	JRM	0925	1310	3	2	WSW	4	8	2	1	0	0
14/06/2024	15	JRM	0925	1310	4	2	WSW	3	8	2	2	0	0
22/07/2024	16	MW	0900	1500	1	2	S	0	8	1	1	0	0
22/07/2024	16	MW	0900	1500	2	2	S	2	8	2	2	0	0
22/07/2024	16	MW	0900	1500	3	2	S	0	8	2	2	0	0
22/07/2024	16	MW	0900	1500	4	3	S	0	8	2	2	0	0
22/07/2024	16	MW	0900	1500	5	3	S	0	7	2	2	0	0
22/07/2024	16	MW	0900	1500	6	3	S	0	6	2	2	0	0
23/07/2024	16	MW	0730	1330	1	3	NNW	0	8	2	2	0	0
23/07/2024	16	MW	0730	1330	2	3	NNW	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
23/07/2024	16	MW	0730	1330	3	3	NNW	0	6	2	2	0	0
23/07/2024	16	MW	0730	1330	4	3	NNW	0	6	2	2	0	0
23/07/2024	16	MW	0730	1330	5	3	NNW	0	5	2	2	0	0
23/07/2024	16	MW	0730	1330	6	3	NNW	0	6	2	2	0	0
07/08/2024	17	JRM	0645	1145	1	3	SSW	0	8	2	2	0	0
07/08/2024	17	JRM	0645	1145	2	3	SSW	2	8	0	1	0	0
07/08/2024	17	JRM	0645	1145	3	4	SW	3	8	0	1	0	0
07/08/2024	17	JRM	0645	1145	4	4	SW	2	8	0	0	0	0
07/08/2024	17	JRM	0645	1145	5	4	SW	3	8	0	0	0	0

C.3 Black Grouse Surveys

Black grouse and capercaillie surveys were undertaken during the 2020, 2021 and 2024 breeding seasons. **Table C-5** details survey dates and weather data recorded. Refer to **Annex B** for survey methodology and **Annex D** for survey results.

Table C-5: Meteorological conditions during black grouse and capercaillie 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
01/05/2020	1	PN	0445	0715	1	2	NW	0	4	2	2	0	0
01/05/2020	1	PN	0445	0715	2	2	NNW	0	4	2	2	0	0
01/05/2020	1	PN	0445	0715	3	2	NNW	0	6	2	2	0	0
07/05/2020	1	PN	0520	0820	1	3	SSW	0	4	2	2	0	0
07/05/2020	1	PN	0520	0820	2	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
07/05/2020	1	PN	0520	0820	3	2	SSW	0	3	2	2	0	0
15/05/2020	1	PN	0425	0725	1	2	NNW	0	1	2	2	0	0
15/05/2020	1	PN	0425	0725	2	2	NNW	0	4	2	1	0	0
15/05/2020	1	PN	0425	0725	3	3	NNW	0	7	2	2	0	0
01/06/2020	2	PN	0400	0700	1	1	VAR	0	0	2	2	0	0
01/06/2020	2	PN	0400	0700	2	2	SSW	0	1	2	2	0	0
01/06/2020	2	PN	0400	0700	3	2	SSW	0	1	2	2	0	0
22/04/2021	3	MW	0400	0700	1	1	SSE	0	0	2	2	1	0
22/04/2021	3	MW	0400	0700	2	2	SSE	0	3	2	2	1	0
22/04/2021	3	MW	0400	0700	3	3	SSE	0	3	2	2	0	0
23/04/2021	3	MW	0400	0700	1	1	ESE	0	2	2	2	1	0
23/04/2021	3	MW	0400	0700	2	2	ESE	0	2	2	2	1	0
23/04/2021	3	MW	0400	0700	3	3	ESE	0	2	2	2	0	0
20/05/2021	4	MW	0400	0700	1	5	SE	0	8	2	2	0	0
20/05/2021	4	MW	0400	0700	2	5	SE	0	8	2	2	0	0
20/05/2021	4	MW	0400	0700	3	5	SE	0	8	2	2	0	0
21/05/2021	4	MW	0400	0700	1	5	NE	0	8	2	2	0	0
21/05/2021	4	MW	0400	0700	2	5	NE	0	8	2	2	0	0
21/05/2021	4	MW	0400	0700	3	6	NE	0	8	2	2	0	0
04/04/2024	5	JRM	0520	0740	1	2	NE	1	8	1	2	0	0
04/04/2024	5	JRM	0520	0740	2	3	ENE	1	8	1	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
04/04/2024	5	JRM	0520	0740	3	3	ENE	0	8	2	2	0	0
05/04/2024	5	JRM	0530	0830	1	6	ESE	3	8	0	1	0	0
05/04/2024	5	JRM	0530	0830	2	5	ESE	3	8	1	1	0	0
05/04/2024	5	JRM	0530	0830	3	3	ESE	2	8	1	2	0	0
30/05/2024	6	JRM	0345	0545	1	2	NW	0	6	1	2	0	0
30/05/2024	6	JRM	0345	0545	2	2	WNW	0	6	0	2	0	0
31/05/2024	6	JRM	0345	0615	1	2	N	0	5	1	2	0	0
31/05/2024	6	JRM	0345	0615	2	2	NW	0	6	2	0	0	0
31/05/2024	6	JRM	0345	0615	3	2	NW	0	5	2	0	0	0

C.4 Winter Walkover Surveys

Winter walkover surveys were undertaken during the 2020/2021 and 2021/2022 non-breeding seasons. **Table C-6** details survey dates and weather data recorded. Refer to **Annex B** for survey methodology and **Annex D** for survey results.

Table C-6: 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
03/09/2020	1	MW	0730	1330	1	3	SW	0	8	2	2	0	0
03/09/2020	1	MW	0730	1330	2	4	SW	0	8	2	2	0	0
03/09/2020	1	MW	0730	1330	3	5	SW	3	8	2	2	0	0
03/09/2020	1	MW	0730	1330	4	5	SW	3	8	2	2	0	0
03/09/2020	1	MW	0730	1330	5	6	SW	3	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
03/09/2020	1	MW	0730	1330	6	5	SW	3	8	2	2	0	0
13/10/2020	2	MW	0730	1330	1	3	NNE	0	8	2	2	1	0
13/10/2020	2	MW	0730	1330	2	3	NNE	0	8	2	2	0	0
13/10/2020	2	MW	0730	1330	3	4	NNE	1	8	1	1	0	0
13/10/2020	2	MW	0730	1330	4	4	NNE	1	8	1	1	0	0
13/10/2020	2	MW	0730	1330	5	5	NNE	1	8	1	1	0	0
13/10/2020	2	MW	0730	1330	6	5	NNE	1	8	1	1	0	0
18/11/2020	3	MW	0800	1400	1	6	SW	4	8	2	2	0	0
18/11/2020	3	MW	0800	1400	2	6	SW	4	8	2	2	0	0
18/11/2020	3	MW	0800	1400	3	7	SW	4	8	2	2	0	0
18/11/2020	3	MW	0800	1400	4	7	SW	4	8	2	2	0	0
18/11/2020	3	MW	0800	1400	5	7	SW	4	8	2	2	0	0
18/11/2020	3	MW	0800	1400	6	7	SW	4	8	2	2	0	0
19/11/2020	3	MW	0730	1230	1	2	NW	0	4	2	2	0	1
19/11/2020	3	MW	0730	1230	2	2	NW	0	5	2	2	0	0
19/11/2020	3	MW	0730	1230	3	3	NW	0	6	2	2	0	0
19/11/2020	3	MW	0730	1230	4	3	NW	0	7	2	2	0	0
19/11/2020	3	MW	0730	1230	5	4	NW	0	8	2	2	0	0
14/12/2020	4	MW	0815	1315	1	4	S	3	8	2	2	0	0
14/12/2020	4	MW	0815	1315	2	4	S	3	8	2	2	0	0
14/12/2020	4	MW	0815	1315	3	4	S	3	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
14/12/2020	4	MW	0815	1315	4	4	S	3	8	2	2	0	0
14/12/2020	4	MW	0815	1315	5	4	S	3	8	2	2	0	0
15/12/2020	4	MW	0815	1315	1	3	SSE	3	8	2	2	0	0
15/12/2020	4	MW	0815	1315	2	4	SSE	3	8	2	2	0	0
15/12/2020	4	MW	0815	1315	3	4	SSE	3	8	2	2	0	0
15/12/2020	4	MW	0815	1315	4	5	SSE	3	7	2	2	0	0
15/12/2020	4	MW	0815	1315	5	5	SSE	3	7	2	2	0	0
25/01/2021	5	MW	0830	1330	1	1	WNW	0	4	2	2	1	1
25/01/2021	5	MW	0830	1330	2	1	WNW	0	4	2	2	1	1
25/01/2021	5	MW	0830	1330	3	2	WNW	0	3	2	2	1	1
25/01/2021	5	MW	0830	1330	4	2	WNW	0	4	2	2	1	1
25/01/2021	5	MW	0830	1330	5	2	WNW	0	5	2	2	1	1
26/01/2021	5	MW	0815	1315	1	3	SE	0	8	2	2	1	1
26/01/2021	5	MW	0815	1315	2	3	SE	0	8	2	2	1	1
26/01/2021	5	MW	0815	1315	3	3	SE	0	8	2	2	1	1
26/01/2021	5	MW	0815	1315	4	4	SE	4	8	2	2	1	1
26/01/2021	5	MW	0815	1315	5	4	SE	4	8	2	2	1	1
04/02/2021	6	MW	0815	1315	1	6	ENE	4	8	1	1	1	1
04/02/2021	6	MW	0815	1315	2	6	ENE	4	8	1	1	1	1
04/02/2021	6	MW	0815	1315	3	7	ENE	4	8	1	1	1	1
04/02/2021	6	MW	0815	1315	4	7	ENE	4	8	1	1	1	1



Date	Survey visit	Observer	Survey start time	Survey finish time	Survey hour	Wind speed	Wind direction	Rain	Cloud cover	Cloud height	Visibility	Frost	Snow
04/02/2021	6	MW	0815	1315	5	7	ENE	4	8	1	1	1	1
05/02/2021	6	MW	0800	1300	1	6	ESE	0	8	2	2	1	1
05/02/2021	6	MW	0800	1300	2	7	ESE	3	8	2	2	1	1
05/02/2021	6	MW	0800	1300	3	7	ESE	0	8	2	2	1	1
05/02/2021	6	MW	0800	1300	4	7	E	0	8	2	2	1	1
05/02/2021	6	MW	0800	1300	5	7	E	0	8	2	2	1	1
21/10/2021	7	MW	0745	1345	1	3	NW	0	1	2	2	1	0
21/10/2021	7	MW	0745	1345	2	3	NW	0	1	2	2	0	0
21/10/2021	7	MW	0745	1345	3	4	NW	0	2	2	2	0	0
21/10/2021	7	MW	0745	1345	4	4	NW	0	3	2	2	0	0
21/10/2021	7	MW	0745	1345	5	5	NW	0	4	2	2	0	0
21/10/2021	7	MW	0745	1345	6	5	NW	0	5	2	2	0	0
13/12/2021	8	MW	0815	1315	1	2	SW	0	8	2	2	0	0
13/12/2021	8	MW	0815	1315	2	3	SW	0	8	2	2	0	0
13/12/2021	8	MW	0815	1315	3	4	SW	0	8	2	2	0	0
13/12/2021	8	MW	0815	1315	4	5	SW	0	8	2	2	0	0
13/12/2021	8	MW	0815	1315	5	5	SW	0	8	2	2	0	0
11/02/2022	9	MW	0730	1230	1	3	SSW	0	2	2	2	1	0
11/02/2022	9	MW	0730	1230	2	3	SSW	0	3	2	2	1	0
11/02/2022	9	MW	0730	1230	3	4	SSW	0	4	2	2	1	0
11/02/2022	9	MW	0730	1230	4	3	SSW	0	7	2	2	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
11/02/2022	9	MW	0730	1230	5	3	SSW	0	7	2	2	1	0



