



APPENDIX 7-2

SURVEY EFFORT



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Table 7-2-1 Vantage point survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
21/04/2020	Vantage Point Survey	VP2	3:00 starting at 15:00	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
21/04/2020	Vantage Point Survey	VP2	3:00 starting at 18:30	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MP
22/04/2020	Vantage Point Survey	VP1	3:00 starting at 15:15	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		MP
22/04/2020	Vantage Point Survey	VP1	3:00 starting at 18:45	Visibility: good; Wind speed and direction: light air NE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MP
15/05/2020	Vantage Point Survey	VP2	3:00 starting at 04:45	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP
15/05/2020	Vantage Point Survey	VP2	3:00 starting at 08:15	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP
28/05/2020	Vantage Point Survey	VP1	3:00 starting at 04:20	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	Yellowhammer singing from 5am, sighting at 7:50	MP
28/05/2020	Vantage Point Survey	VP1	3:00 starting at 07:50	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
11/06/2020	Vantage Point Survey	VP2	3:00 starting at 10:00	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP
11/06/2020	Vantage Point Survey	VP2	3:00 starting at 13:30	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
25/06/2020	Vantage Point Survey	VP1	3:00 starting at 10:00	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP
25/06/2020	Vantage Point Survey	VP1	3:00 starting at 13:00	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
09/07/2020	Vantage Point Survey	VP2	3:00 starting at 09:30	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP
09/07/2020	Vantage Point Survey	VP2	3:00 starting at 13:00	Visibility: good; Wind speed and direction: moderate breeze N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
16/07/2020	Vantage Point Survey	VP1	3:00 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
16/07/2020	Vantage Point Survey	VP1	3:00 starting at 13:00	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
31/08/2020	Vantage Point Survey	VP2	3:00 starting at 14:45	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
31/08/2020	Vantage Point Survey	VP2	3:00 starting at 18:15	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP
01/09/2020	Vantage Point Survey	VP1	3:00 starting at 14:45	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	August survey	MP
01/09/2020	Vantage Point Survey	VP1	3:00 starting at 18:15	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 100% >500m; Rain: light showers; Frost: none; Snow: none	August survey. Lots of farming activity (ploughing, fertilising, haying, etc) throughout the survey.	MP
11/09/2020	Vantage Point Survey	VP2	3:00 starting at 06:00	Visibility: limited; Wind speed and direction: strong breeze SW; Cloud cover and height: 100% 150-500m; Rain: light showers; Frost: none; Snow: none		MP
11/09/2020	Vantage Point Survey	VP2	3:00 starting at 09:00	Visibility: limited; Wind speed and direction: strong breeze SW; Cloud cover and height: 100% 150-500m; Rain: persistent; Frost: none; Snow: none		MP
18/09/2020	Vantage Point Survey	VP1	3:00 starting at 06:15	Visibility: good; Wind speed and direction: light air NE; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		MP
18/09/2020	Vantage Point Survey	VP1	3:00 starting at 09:15	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MP

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
14/10/2020	Vantage Point Survey	VP2	3:00 starting at 13:30	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
14/10/2020	Vantage Point Survey	VP2	3:00 starting at 16:30	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
29/10/2020	Vantage Point Survey	VP1	3:00 starting at 12:00	Visibility: moderate; Wind speed and direction: strong breeze SW; Cloud cover and height: 100% 150-500m; Rain: persistent; Frost: none; Snow: none		MP
29/10/2020	Vantage Point Survey	VP1	3:00 starting at 15:00	Visibility: moderate; Wind speed and direction: strong breeze SW; Cloud cover and height: 100% 150-500m; Rain: persistent; Frost: none; Snow: none		MP
13/11/2020	Vantage Point Survey	VP2	3:00 starting at 07:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none		MP
13/11/2020	Vantage Point Survey	VP2	3:00 starting at 10:30	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none		MP
20/11/2020	Vantage Point Survey	VP1	3:00 starting at 07:15	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 100% 150-500m; Rain: drizzle; Frost: none; Snow: none		MP
20/11/2020	Vantage Point Survey	VP1	3:00 starting at 10:45	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 100% 150-500m; Rain: drizzle; Frost: none; Snow: none		MP
10/12/2020	Vantage Point Survey	VP1	3:00 starting at 10:45	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 100% >500m; Rain: light showers; Frost: none; Snow: none	Rain the last 45 minutes.	MP
10/12/2020	Vantage Point Survey	VP1	3:00 starting at 14:15	Visibility: moderate; Wind speed and direction: light breeze S; Cloud cover and height: 100% >500m; Rain: heavy showers; Frost: none; Snow: none		MP
15/12/2020	Vantage Point Survey	VP2	3:00 starting at 10:45	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
15/12/2020	Vantage Point Survey	VP2	3:00 starting at 14:15	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
13/01/2021	Vantage Point Survey	VP2	3:00 starting at 07:45	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 100% 150-500m; Rain: drizzle; Frost: none; Snow: none		MP
13/01/2021	Vantage Point Survey	VP2	3:00 starting at 11:15	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 100% 150-500m; Rain: drizzle; Frost: none; Snow: none		MP
29/01/2021	Vantage Point Survey	VP1	3:00 starting at 07:30	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP
29/01/2021	Vantage Point Survey	VP1	3:00 starting at 11:00	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0% >500m; Rain: none; Frost: none; Snow: none		MP
10/02/2021	Vantage Point Survey	VP2	3:00 starting at 12:00	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
10/02/2021	Vantage Point Survey	VP2	3:00 starting at 15:30	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
24/02/2021	Vantage Point Survey	VP1	3:00 starting at 12:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none	Big starling murmuration (c.900-1000 birds)	MP
24/02/2021	Vantage Point Survey	VP1	3:00 starting at 16:00	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
05/03/2021	Vantage Point Survey	VP2	3:00 starting at 06:15	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
05/03/2021	Vantage Point Survey	VP2	3:00 starting at 09:45	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
12/03/2021	Vantage Point Survey	VP1	3:00 starting at 06:00	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	Occasional showers	MP
12/03/2021	Vantage Point Survey	VP1	3:00 starting at 09:30	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
07/04/2021	Vantage Point Survey	VP2	3:00 starting at 14:40	Visibility: good; Wind speed and direction: moderate breeze WNW; Cloud cover and height: 66-100% ; Rain: light showers; Frost: none; Snow: none		PT
07/04/2021	Vantage Point Survey	VP2	3:00 starting at 18:10	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100%; Rain: none; Frost: none; Snow: none	sky clearing; movement of lesser black-backed gulls in evening to SSW	PT
28/04/2021	Vantage Point Survey	VP1	3:00 starting at 15:20	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JC
28/04/2021	Vantage Point Survey	VP1	3:00 starting at 18:50	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none		JC
02/05/2021	Vantage Point Survey	VP2	3:00 starting at 05:07	Visibility: good; Wind speed and direction: light air VARIABLE; Cloud cover and height: 44-82%; Rain: none; Frost: none; Snow: none	Glare; some gulls silhouetted against bright sky	PT
02/05/2021	Vantage Point Survey	VP2	3:00 starting at 08:37	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 18-24%; Rain: none; Frost: none; Snow: none	Glare; some gulls silhouetted against bright sky	PT
31/05/2021	Vantage Point Survey	VP1	3:00 starting at 04:15	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JC
31/05/2021	Vantage Point Survey	VP1	3:00 starting at 07:45	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JC
03/06/2021	Vantage Point Survey	VP2	3:00 starting at 06:35	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 40-99% ; Rain: none; Frost: none; Snow: none		PT
03/06/2021	Vantage Point Survey	VP2	3:00 starting at 10:05	Visibility: good; Wind speed and direction: moderate breeze S ; Cloud cover and height: 65-90% ; Rain: none; Frost: none; Snow: none		PT
29/06/2021	Vantage Point Survey	VP1	3:00 starting at 14:00	Visibility: good; Wind speed and direction: light breeze NNW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JC
29/06/2021	Vantage Point Survey	VP2	3:00 starting at 17:30	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JC

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
01/07/2021	Vantage Point Survey	VP2	3:00 starting at 12:25	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 100%; Rain: none; Frost: none; Snow: none		PT
01/07/2021	Vantage Point Survey	VP2	3:00 starting at 15:55	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 100 → 90%; Rain: none; Frost: none; Snow: none		PT
30/07/2021	Vantage Point Survey	VP1	3:00 starting at 08:10	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JC
30/07/2021	Vantage Point Survey	VP1	3:00 starting at 11:40	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JC
18/08/2021	Vantage Point Survey	VP2	2:00 starting at 06:40	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PDC
18/08/2021	Vantage Point Survey	VP2	1:00 starting at 08:40	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		PDC
18/08/2021	Vantage Point Survey	VP2	1:00 starting at 10:10	Visibility: moderate; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	Weather closed in and visibility deteriorated.	PDC
18/08/2021	Vantage Point Survey	VP2	2:00 starting at 11:10	Visibility: good; Wind speed and direction: light air W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PDC
24/08/2021	Vantage Point Survey	VP1	2:00 starting at 06:30	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	No cloud overhead but heavy ground fog limited visibility	PDC
24/08/2021	Vantage Point Survey	VP1	1:00 starting at 08:30	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Barely a cloud in the sky once the fog had cleared	PDC
24/08/2021	Vantage Point Survey	VP1	3:00 starting at 10:00	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PDC
06/09/2021	Vantage Point Survey	VP2	1:00 starting at 14:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PDC

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
06/09/2021	Vantage Point Survey	VP2	2:00 starting at 15:30	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PDC
06/09/2021	Vantage Point Survey	VP2	1:00 starting at 18:00	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PDC
06/09/2021	Vantage Point Survey	VP2	1:00 starting at 19:00	Visibility: moderate; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PDC
06/09/2021	Vantage Point Survey	VP2	1:00 starting at 20:00	Visibility: moderate; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PDC
16/09/2021	Vantage Point Survey	VP1	1:00 starting at 13:30	Visibility: moderate; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		PDC
16/09/2021	Vantage Point Survey	VP1	1:00 starting at 14:30	Visibility: moderate; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		PDC
16/09/2021	Vantage Point Survey	VP1	1:00 starting at 15:30	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PDC
16/09/2021	Vantage Point Survey	VP1	1:00 starting at 17:00	Visibility: moderate; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		PDC
16/09/2021	Vantage Point Survey	VP1	1:00 starting at 18:00	Visibility: good; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PDC
16/09/2021	Vantage Point Survey	VP1	1:00 starting at 19:00	Visibility: moderate; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	Visibility poor by end of survey	PDC
19/10/2021	Vantage Point Survey	VP1	3:00 starting at 07:10	Visibility: moderate; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		PM
19/10/2021	Vantage Point Survey	VP1	3:00 starting at 10:40	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		PM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
29/10/2021	Vantage Point Survey	VP2	3:00 starting at 07:30	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PM
29/10/2021	Vantage Point Survey	VP2	3:00 starting at 11:00	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PM
03/11/2021	Vantage Point Survey	VP2	1:00 starting at 10:40	Visibility: moderate; Wind speed and direction: moderate breeze N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Looking into low sun	PDC
03/11/2021	Vantage Point Survey	VP2	1:00 starting at 11:40	Visibility: moderate; Wind speed and direction: strong breeze N; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none	Heavy showers and low sun	PDC
03/11/2021	Vantage Point Survey	VP2	1:00 starting at 12:40	Visibility: good; Wind speed and direction: fresh breeze N; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		PDC
03/11/2021	Vantage Point Survey	VP2	1:00 starting at 14:10	Visibility: good; Wind speed and direction: fresh breeze N; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PDC
03/11/2021	Vantage Point Survey	VP2	1:00 starting at 15:10	Visibility: moderate; Wind speed and direction: fresh breeze N; Cloud cover and height: 33-66% <150m; Rain: light showers; Frost: none; Snow: none		PDC
03/11/2021	Vantage Point Survey	VP2	1:00 starting at 16:10	Visibility: poor; Wind speed and direction: fresh breeze N; Cloud cover and height: 33-66% <150m; Rain: none; Frost: none; Snow: none		PDC
04/11/2021	Vantage Point Survey	VP1	2:00 starting at 11:05	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		PDC
04/11/2021	Vantage Point Survey	VP1	1:00 starting at 13:05	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		PDC
04/11/2021	Vantage Point Survey	VP1	1:00 starting at 14:35	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		PDC
04/11/2021	Vantage Point Survey	VP1	1:00 starting at 15:35	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		PDC

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
04/11/2021	Vantage Point Survey	VP1	1:00 starting at 16:35	Visibility: poor; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PDC
05/12/2021	Vantage Point Survey	VP1	3:00 starting at 07:30	Visibility: good; Wind speed and direction: light air W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SJ
05/12/2021	Vantage Point Survey	VP1	3:00 starting at 11:00	Visibility: good; Wind speed and direction: light air W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SJ
06/12/2021	Vantage Point Survey	VP2	3:00 starting at 07:35	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% >500m; Rain: heavy showers; Frost: none; Snow: none		SJ
06/12/2021	Vantage Point Survey	VP2	3:00 starting at 11:05	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 0-33% >500m; Rain: light showers; Frost: none; Snow: none		SJ
13/01/2022	Vantage Point Survey	VP1	3:00 starting at 11:15	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JF
13/01/2022	Vantage Point Survey	VP1	3:00 starting at 14:30	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JF
23/01/2022	Vantage Point Survey	VP2	3:00 starting at 11:30	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-101% >500m; Rain: none; Frost: none; Snow: none		JF
23/01/2022	Vantage Point Survey	VP2	3:00 starting at 14:45	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-102% >500m; Rain: none; Frost: none; Snow: none		JF
10/02/2022	Vantage Point Survey	VP2	3:00 starting at 07:34	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% <150m; Rain: heavy showers; Frost: light; Snow: none	One very short heavy shower which lasted minutes. Dry rest of time	JF
10/02/2022	Vantage Point Survey	VP2	3:00 starting at 10:55	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 36-66% <150m; Rain: heavy showers; Frost: none; Snow: none	One very short heavy shower which lasted minutes. Dry the rest of time	JF
14/02/2022	Vantage Point Survey	VP1	3:00 starting at 07:00	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 0-33% <150m; Rain: light showers; Frost: none; Snow: none	one very brief shower	JF

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
14/02/2022	Vantage Point Survey	VP1	3:00 starting at 10:20	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 0-33% <150m; Rain: light showers; Frost: none; Snow: none	two very brief showers	JF
02/03/2022	Vantage Point Survey	VP1	3:00 starting at 12:20	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	few minutes of drizzle at the start	JF
02/03/2022	Vantage Point Survey	VP1	3:00 starting at 15:55	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	dry until 17:55, shower lasting half an hour getting persistently heavier, stopped at 18:26 and shower in last 5 minutes of survey	JF
16/03/2022	Vantage Point Survey	VP2	3:00 starting at 13:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		JF
16/03/2022	Vantage Point Survey	VP2	3:00 starting at 16:25	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		JF
14/04/2023	Vantage Point Survey	VP1	3:00 starting at 05:40	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		PM
14/04/2023	Vantage Point Survey	VP1	3:00 starting at 09:10	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		PM
27/04/2023	Vantage Point Survey	VP2	3:00 starting at 05:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PM
27/04/2023	Vantage Point Survey	VP2	3:00 starting at 08:30	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PM
08/05/2023	Vantage Point Survey	VP1	1:00 starting at 15:45	Visibility: moderate; Wind speed and direction: gentle breeze E; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Foggy	LDV
08/05/2023	Vantage Point Survey	VP1	1:00 starting at 16:45	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
08/05/2023	Vantage Point Survey	VP1	1:00 starting at 17:45	Visibility: good; Wind speed and direction: moderate breeze ESE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV
08/05/2023	Vantage Point Survey	VP1	2:00 starting at 19:15	Visibility: good; Wind speed and direction: moderate breeze ESE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV
08/05/2023	Vantage Point Survey	VP1	1:00 starting at 21:15	Visibility: moderate; Wind speed and direction: gentle breeze ESE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
16/05/2023	Vantage Point Survey	VP2	2:00 starting at 16:00	Visibility: good; Wind speed and direction: light air SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
16/05/2023	Vantage Point Survey	VP2	1:00 starting at 18:00	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV
16/05/2023	Vantage Point Survey	VP2	2:00 starting at 19:30	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV
16/05/2023	Vantage Point Survey	VP2	1:00 starting at 21:30	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV
14/06/2023	Vantage Point Survey	VP2	2:00 starting at 06:30	Visibility: moderate; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
14/06/2023	Vantage Point Survey	VP2	1:00 starting at 08:30	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
14/06/2023	Vantage Point Survey	VP2	2:00 starting at 10:00	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
14/06/2023	Vantage Point Survey	VP2	1:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
06/07/2023	Vantage Point Survey	VP1	1:00 starting at 08:15	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		LDV

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
06/07/2023	Vantage Point Survey	VP1	2:00 starting at 09:15	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV
06/07/2023	Vantage Point Survey	VP1	3:00 starting at 11:45	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV
24/07/2023	Vantage Point Survey	VP1	2:00 starting at 06:45	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
24/07/2023	Vantage Point Survey	VP1	1:00 starting at 08:45	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV
24/07/2023	Vantage Point Survey	VP1	1:00 starting at 10:15	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
24/07/2023	Vantage Point Survey	VP1	1:00 starting at 11:15	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
24/07/2023	Vantage Point Survey	VP1	1:00 starting at 12:15	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
27/07/2023	Vantage Point Survey	VP2	3:00 starting at 08:15	Visibility: good; Wind speed and direction: gentle breeze ESE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
27/07/2023	Vantage Point Survey	VP2	2:15 starting at 11:45	Visibility: good; Wind speed and direction: light breeze ESE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
27/07/2023	Vantage Point Survey	VP2	0:45 starting at 14:00	Visibility: good; Wind speed and direction: light breeze ESE; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		LDV
09/08/2023	Vantage Point Survey	VP1	3:00 starting at 08:15	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		LDV
09/08/2023	Vantage Point Survey	VP1	1:00 starting at 11:45	Visibility: moderate; Wind speed and direction: light breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		LDV



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
09/08/2023	Vantage Point Survey	VP1	2:00 starting at 12:45	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
29/08/2023	Vantage Point Survey	VP2	1:00 starting at 08:00	Visibility: good; Wind speed and direction: light air SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
29/08/2023	Vantage Point Survey	VP2	1:00 starting at 09:00	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV
29/08/2023	Vantage Point Survey	VP2	1:00 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
29/08/2023	Vantage Point Survey	VP2	2:00 starting at 11:30	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
29/08/2023	Vantage Point Survey	VP2	1:00 starting at 13:30	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
05/09/2023	Vantage Point Survey	VP1	1:00 starting at 05:50	Visibility: moderate; Wind speed and direction: calm WSW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
05/09/2023	Vantage Point Survey	VP1	2:00 starting at 06:50	Visibility: good; Wind speed and direction: light air WSW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
05/09/2023	Vantage Point Survey	VP1	2:00 starting at 09:20	Visibility: good; Wind speed and direction: gentle breeze WSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
05/09/2023	Vantage Point Survey	VP1	1:00 starting at 11:20	Visibility: good; Wind speed and direction: fresh breeze WNW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
28/09/2023	Vantage Point Survey	VP2	1:00 starting at 06:30	Visibility: moderate; Wind speed and direction: gentle breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
28/09/2023	Vantage Point Survey	VP2	2:00 starting at 07:30	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
28/09/2023	Vantage Point Survey	VP2	2:00 starting at 10:00	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV
28/09/2023	Vantage Point Survey	VP2	1:00 starting at 12:00	Visibility: moderate; Wind speed and direction: fresh breeze NE; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		LDV

Table 7-2-2 Winter walkover survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
15/10/2020	Winter Walkover Survey	500m Survey Radius	3:30 starting at 13:30	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
14/01/2021	Winter Walkover Survey	500m Survey Radius	4:00 starting at 11:15	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
25/02/2021	Winter Walkover Survey	500m Survey Radius	3:30 starting at 13:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
25/03/2021	Winter Walkover Survey	500m Survey Radius	3:30 starting at 13:30	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
08/10/2021	Winter Walkover Survey	500m Survey Radius	3:00 starting at 10:30	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JK
11/11/2021	Winter Walkover Survey	500m Survey Radius	4:00 starting at 10:00	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JK
03/02/2022	Winter Walkover Survey	500m Survey Radius	Not recorded	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		JK
31/03/2022	Winter Walkover Survey	500m Survey Radius	5:00 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	Some sections of transects were not accessible due to sucklers and bulls.	TR

Table 7-2-3 Breeding walkover survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
24/04/2020	Breeding Walkover Survey	500m Survey Radius	5:00 starting at 10:00	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	Many spring gentians and early purple orchids recorded in calcareous grassland on site	MP
14/05/2020	Breeding Walkover Survey	500m Survey Radius	4:45 starting at 10:00	Visibility: good; Wind speed and direction: light air N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
26/06/2020	Breeding Walkover Survey	500m Survey Radius	3:10 starting at 09:50	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 100% >500m; Rain: none; Frost: none; Snow: none		MP
14/07/2020	Breeding Walkover Survey	500m Survey Radius	3:00 starting at 10:00	Visibility: poor; Wind speed and direction: gentle breeze W; Cloud cover and height: 100% 150-500m; Rain: persistent; Frost: none; Snow: none		MP
16/04/2021	Breeding Walkover Survey	500m Survey Radius	6:15 starting at 11:30	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		EH
28/05/2021	Breeding Walkover Survey	500m Survey Radius	3:30 starting at 10:00	Visibility: good; Wind speed and direction: light air NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP
25/06/2021	Breeding Walkover Survey	500m Survey Radius	3:30 starting at 10:00	Visibility: good; Wind speed and direction: moderate breeze N; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MP
30/07/2021	Breeding Walkover Survey	500m Survey Radius	3:00 starting at 09:00	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
11/04/2023	Breeding Walkover Survey	T1	0:45 starting at 11:00	Visibility: poor; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	Heavy rain throughout.	MH
11/04/2023	Breeding Walkover Survey	T2	0:45 starting at 11:45	Visibility: poor; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		MH
11/04/2023	Breeding Walkover Survey	T3	0:45 starting at 12:30	Visibility: poor; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		MH

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
11/04/2023	Breeding Walkover Survey	T4	0:45 starting at 13:15	Visibility: poor; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		MH
11/04/2023	Breeding Walkover Survey	T5	0:45 starting at 14:00	Visibility: poor; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		MH
18/05/2023	Breeding Walkover Survey	500m Survey Radius	4:00 starting at 08:45	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
18/05/2023	Breeding Walkover Survey	500m Survey Radius	1:15 starting at 12:45	Visibility: poor; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		LDV
06/06/2023	Breeding Walkover Survey	500m Survey Radius	6:00 starting at 06:30	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
11/07/2023	Breeding Walkover Survey	500m Survey Radius	4:30 starting at 11:00	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV

Table 7-2-4 Waterbird distribution and Abundance survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
19/08/2020	Waterbird Distribution Survey	8km Survey Radius	2:00 starting at 14:00	Visibility: poor; Wind speed and direction: light breeze W; Cloud cover and height: 100% <150m; Rain: drizzle; Frost: none; Snow: none		JK
31/08/2020	Waterbird Distribution Survey	8km Survey Radius	Not recorded	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JK
04/09/2020	Waterbird Distribution Survey	8km Survey Radius	3:30 starting at 09:45	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP
17/09/2020	Waterbird Distribution Survey	8km Survey Radius	4:00 starting at 09:00	Visibility: limited; Wind speed and direction: light air E; Cloud cover and height: 100% <150m; Rain: none; Frost: none; Snow: none		MP
07/10/2020	Waterbird Distribution Survey	8km Survey Radius	3:30 starting at 14:00	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 100% 150-500m; Rain: persistent; Frost: none; Snow: none		MP
21/10/2020	Waterbird Distribution Survey	8km Survey Radius	3:00 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		MP
04/11/2020	Waterbird Distribution Survey	8km Survey Radius	3:00 starting at 12:30	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP
18/11/2020	Waterbird Distribution Survey	8km Survey Radius	2:30 starting at 12:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none		MP
02/12/2020	Waterbird Distribution Survey	8km Survey Radius	2:30 starting at 12:15	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
16/12/2020	Waterbird Distribution Survey	8km Survey Radius	3:00 starting at 11:45	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none		MP
07/01/2021	Waterbird Distribution Survey	8km Survey Radius	2:30 starting at 12:30	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% >500m; Rain: heavy showers; Frost: light; Snow: none	Frozen turloughs. Heavy shower at 13:30	MP
18/01/2021	Waterbird Distribution Survey	8km Survey Radius	3:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		JK

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
22/01/2021	Waterbird Distribution Survey	8km Survey Radius	3:00 starting at 09:30	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
09/02/2021	Waterbird Distribution Survey	8km Survey Radius	2:30 starting at 13:30	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: falling	Short hail shower	MP
23/02/2021	Waterbird Distribution Survey	8km Survey Radius	2:30 starting at 14:00	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		MP
04/03/2021	Waterbird Distribution Survey	8km Survey Radius	2:30 starting at 11:30	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
18/03/2021	Waterbird Distribution Survey	8km Survey Radius	2:45 starting at 14:30	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP
01/04/2021	Waterbird Distribution Survey	8km Survey Radius	3:30 starting at 09:30	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	First swallows, wheatear, willow warbler and chiffchaff	MP
15/04/2021	Waterbird Distribution Survey	8km Survey Radius	3:00 starting at 10:00	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
14/05/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 11:50	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		TR
14/05/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 12:50	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		TR
14/05/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 13:50	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		TR
14/05/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 14:50	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		TR
14/05/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 15:50	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
14/05/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 16:50	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		TR
28/05/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 13:50	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
28/05/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 14:50	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
28/05/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 15:50	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
28/05/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 16:50	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
28/05/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 17:50	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
09/08/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 10:00	Visibility: moderate; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TR
09/08/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 11:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR
09/08/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 12:00	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
09/08/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 13:00	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
09/08/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 14:00	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR
09/08/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 15:00	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
20/08/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 09:00	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR
20/08/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 10:00	Visibility: poor; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR
20/08/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 11:00	Visibility: moderate; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR
20/08/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 12:00	Visibility: moderate; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR
20/08/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 13:00	Visibility: moderate; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR
20/08/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 14:00	Visibility: moderate; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR
17/09/2021	Waterbird Distribution Survey	8km Survey Radius	6:30 starting at 09:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% <150m; Rain: none; Frost: none; Snow: none		TR
18/09/2021	Waterbird Distribution Survey	8km Survey Radius	6:30 starting at 09:30	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		TR
05/10/2021	Waterbird Distribution Survey	8km Survey Radius	4:20 starting at 11:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JK
29/10/2021	Waterbird Distribution Survey	8km Survey Radius	4:00 starting at 09:00	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JK
02/11/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 08:00	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		PDC
02/11/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 09:00	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		PDC

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
02/11/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PDC
02/11/2021	Waterbird Distribution Survey	8km Survey Radius	2:30 starting at 11:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		PDC
10/11/2021	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 08:00	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Heavy mist over Belclare Turlough at start of survey. Soon cleared.	PDC
10/11/2021	Waterbird Distribution Survey	8km Survey Radius	2:00 starting at 09:00	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Angler out on boat at Lough Hacket, and powered boats out at Annaghmore.	PDC
10/11/2021	Waterbird Distribution Survey	8km Survey Radius	2:30 starting at 11:00	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PDC
08/12/2021	Waterbird Distribution Survey	Northern Section of 8km Survey Radius	1:00 starting at 13:45	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		PM
09/12/2021	Waterbird Distribution Survey	Southern Section of 8km Survey Radius	4:30 starting at 10:00	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		PM
16/12/2021	Waterbird Distribution Survey	8km Survey Radius	5:00 starting at 09:45	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PM
07/01/2022	Waterbird Distribution Survey	8km Survey Radius	2:30 starting at 10:30	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JK
01/02/2022	Waterbird Distribution Survey	8km Survey Radius	3:45 starting at 11:30	Visibility: good; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZE
02/02/2022	Waterbird Distribution Survey	8km Survey Radius	3:50 starting at 11:30	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZE

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
14/02/2022	Waterbird Distribution Survey	8km Survey Radius	2:00 starting at 12:00	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZE
14/02/2022	Waterbird Distribution Survey	8km Survey Radius	1:30 starting at 14:00	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		ZE
15/02/2022	Waterbird Distribution Survey	8km Survey Radius	2:00 starting at 12:00	Visibility: good; Wind speed and direction: light air WSW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZE
15/02/2022	Waterbird Distribution Survey	8km Survey Radius	1:30 starting at 14:00	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		ZE
10/03/2022	Waterbird Distribution Survey	Lough Afoor	0:21 starting at 08:14	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: heavy; Snow: none	Little to no water	NL
10/03/2022	Waterbird Distribution Survey	Lough Afoor	0:19 starting at 08:36	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: heavy; Snow: none	Little to no water	NL
10/03/2022	Waterbird Distribution Survey	Annaghdown Pier	0:30 starting at 09:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		NL
10/03/2022	Waterbird Distribution Survey	Luimnagh Pier	0:45 starting at 09:45	Visibility: good; Wind speed and direction: strong breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Exposed and high wind	NL
10/03/2022	Waterbird Distribution Survey	Lough Hacket	1:06 starting at 10:24	Visibility: good; Wind speed and direction: strong breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		NL
10/03/2022	Waterbird Distribution Survey	Belclare Turlough	0:50 starting at 11:40	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		NL
10/03/2022	Waterbird Distribution Survey	Claretuam	0:25 starting at 12:45	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	Cows in field and small bit of water; water very low	NL
10/03/2022	Waterbird Distribution Survey	Cloonmore Bridge	0:10 starting at 13:25	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		NL

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
10/03/2022	Waterbird Distribution Survey	Corofin Bridge	0:15 starting at 13:55	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		NL
10/03/2022	Waterbird Distribution Survey	Bullaun Bridge	0:10 starting at 14:16	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		NL
10/03/2022	Waterbird Distribution Survey	Daly's Bridge	0:04 starting at 14:36	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		NL
10/03/2022	Waterbird Distribution Survey	Corbally Bridge	0:10 starting at 14:55	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		NL
10/03/2022	Waterbird Distribution Survey	Lackagh Bridge	0:15 starting at 15:15	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		NL
25/03/2022	Waterbird Distribution Survey	8km Survey Radius	3:00 starting at 09:00	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZOC
25/03/2022	Waterbird Distribution Survey	8km Survey Radius	3:00 starting at 12:00	Visibility: good; Wind speed and direction: light air N; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		ZOC
03/08/2023	Waterbird Distribution Survey	8km Survey Radius	5:45 starting at 08:45	Visibility: good; Wind speed and direction: moderate breeze SSE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
23/08/2023	Waterbird Distribution Survey	8km Survey Radius	3:00 starting at 09:00	Visibility: good; Wind speed and direction: light air NNE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
23/08/2023	Waterbird Distribution Survey	8km Survey Radius	2:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze NNE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
08/09/2023	Waterbird Distribution Survey	8km Survey Radius	1:00 starting at 07:45	Visibility: good; Wind speed and direction: light air WSW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
08/09/2023	Waterbird Distribution Survey	8km Survey Radius	2:00 starting at 08:45	Visibility: good; Wind speed and direction: light air WSW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
08/09/2023	Waterbird Distribution Survey	8km Survey Radius	2:00 starting at 10:45	Visibility: good; Wind speed and direction: light air WSW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
26/09/2023	Waterbird Distribution Survey	8km Survey Radius	1:30 starting at 09:00	Visibility: good; Wind speed and direction: light breeze WNW; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none		LDV
26/09/2023	Waterbird Distribution Survey	8km Survey Radius	3:00 starting at 10:30	Visibility: good; Wind speed and direction: moderate breeze WNW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV

Table 7-2-5 Hen harrier roost survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
06/10/2020	Hen Harrier Roost Survey	HHVP1	2:00 starting at 17:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
07/10/2020	Hen Harrier Roost Survey	HHVP4	2:00 starting at 17:30	Visibility: moderate; Wind speed and direction: light breeze W; Cloud cover and height: 100% 150-500m; Rain: persistent; Frost: none; Snow: none		MP
15/10/2020	Hen Harrier Roost Survey	HHVP2	2:00 starting at 17:00	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
22/10/2020	Hen Harrier Roost Survey	HHVP3	2:00 starting at 16:45	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
04/11/2020	Hen Harrier Roost Survey	HHVP4	2:00 starting at 15:30	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP
18/11/2020	Hen Harrier Roost Survey	HHVP1	2:00 starting at 15:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
27/11/2020	Hen Harrier Roost Survey	HHVP2	2:00 starting at 15:00	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
30/11/2020	Hen Harrier Roost Survey	HHVP3	2:00 starting at 14:50	Visibility: moderate; Wind speed and direction: light breeze NW; Cloud cover and height: 100% 150-500m; Rain: drizzle; Frost: none; Snow: none		MP
02/12/2020	Hen Harrier Roost Survey	HHVP4	2:00 starting at 14:45	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP
03/12/2020	Hen Harrier Roost Survey	HHVP3	2:00 starting at 14:45	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
09/12/2020	Hen Harrier Roost Survey	HHVP1	2:00 starting at 14:45	Visibility: moderate; Wind speed and direction: gentle breeze S; Cloud cover and height: 100% 150-500m; Rain: light showers; Frost: none; Snow: none		MP

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
16/12/2020	Hen Harrier Roost Survey	HHVP2	2:00 starting at 14:45	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
07/01/2021	Hen Harrier Roost Survey	HHVP4	2:00 starting at 15:00	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Landowner from the area reported a female hen harrier on the 03/01 morning. Hunting.	MP
14/01/2021	Hen Harrier Roost Survey	HHVP3	2:00 starting at 15:15	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
26/01/2021	Hen Harrier Roost Survey	HHVP2	2:00 starting at 15:30	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 100% 150-500m; Rain: drizzle; Frost: none; Snow: none		MP
28/01/2021	Hen Harrier Roost Survey	HHVP1	2:00 starting at 15:30	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		MP
09/02/2021	Hen Harrier Roost Survey	HHVP4	2:00 starting at 16:00	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
19/02/2021	Hen Harrier Roost Survey	HHVP1	2:10 starting at 16:20	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		MP
23/02/2021	Hen Harrier Roost Survey	HHVP2	2:00 starting at 16:30	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		MP
25/02/2021	Hen Harrier Roost Survey	HHVP3	2:00 starting at 16:30	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
09/03/2021	Hen Harrier Roost Survey	HHVP1	2:00 starting at 17:00	Visibility: moderate; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		MP
18/03/2021	Hen Harrier Roost Survey	HHVP4	2:00 starting at 17:15	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP
24/03/2021	Hen Harrier Roost Survey	HHVP2	2:00 starting at 17:30	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
25/03/2021	Hen Harrier Roost Survey	HHVP3	2:00 starting at 17:20	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		MP
11/10/2021	Hen Harrier Roost Survey	HHVP1	2:30 starting at 17:20	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JK
14/10/2021	Hen Harrier Roost Survey	HHVP2	2:30 starting at 17:20	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JK
22/10/2021	Hen Harrier Roost Survey	HHVP3	2:30 starting at 07:10	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 33-66% >500m; Rain: drizzle; Frost: none; Snow: none		JK
28/10/2021	Hen Harrier Roost Survey	HHVP4	2:30 starting at 16:40	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JK
12/11/2021	Hen Harrier Roost Survey	HHVP1	2:30 starting at 06:55	Visibility: moderate; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		JK
17/11/2021	Hen Harrier Roost Survey	HHVP2	2:30 starting at 15:05	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JK
18/11/2021	Hen Harrier Roost Survey	HHVP3	2:30 starting at 15:05	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JK
26/11/2021	Hen Harrier Roost Survey	HHVP4	2:30 starting at 07:20	Visibility: moderate; Wind speed and direction: fresh breeze N; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		JK
08/12/2021	Hen Harrier Roost Survey	HHVP3	2:30 starting at 14:45	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		PM
09/12/2021	Hen Harrier Roost Survey	HHVP2	2:30 starting at 14:45	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		PM
13/12/2021	Hen Harrier Roost Survey	HHVP1	2:30 starting at 14:45	Visibility: moderate; Wind speed and direction: light air S; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		PM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
16/12/2021	Hen Harrier Roost Survey	HHVP4	2:30 starting at 14:45	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PM
17/01/2022	Hen Harrier Roost Survey	HHVP4	2:31 starting at 15:20	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JK
20/01/2022	Hen Harrier Roost Survey	HHVP3	2:30 starting at 15:40	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JK
27/01/2022	Hen Harrier Roost Survey	HHVP2	2:30 starting at 15:45	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JK
01/02/2022	Hen Harrier Roost Survey	HHVP2	2:30 starting at 15:50	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZE
03/02/2022	Hen Harrier Roost Survey	HHVP4	2:30 starting at 15:50	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		ZE
03/02/2022	Hen Harrier Roost Survey	HHVP1	2:30 starting at 15:50	Visibility: limited; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		JK
14/02/2022	Hen Harrier Roost Survey	HHVP3	1:45 starting at 16:15	Visibility: good; Wind speed and direction: light air WSW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZE
14/02/2022	Hen Harrier Roost Survey	HHVP3	0:45 starting at 18:00	Visibility: good; Wind speed and direction: light air WSW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZE
15/02/2022	Hen Harrier Roost Survey	HHVP1	2:30 starting at 16:15	Visibility: good; Wind speed and direction: light breeze SSW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		ZE
08/03/2022	Hen Harrier Roost Survey	HHVP2	2:30 starting at 16:50	Visibility: good; Wind speed and direction: strong breeze N; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		ZOC
14/03/2022	Hen Harrier Roost Survey	HHVP1	2:25 starting at 17:10	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		NL



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
15/03/2022	Hen Harrier Roost Survey	HHVP3	2:30 starting at 17:00	Visibility: moderate; Wind speed and direction: gentle breeze N; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		ZOC

Table 7-2-6 Breeding raptor survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
27/04/2020	Breeding Raptor Survey	East section of 2km Survey Radius	5:30 starting at 10:00	Visibility: good; Wind speed and direction: light air N; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none	Light showers in the afternoon	MP
28/04/2020	Breeding Raptor Survey	West section of 2km Survey Radius	4:30 starting at 10:00	Visibility: good; Wind speed and direction: light air N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP
07/05/2020	Breeding Raptor Survey	East section of 2km Survey Radius	4:00 starting at 10:15	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		MP
27/05/2020	Breeding Raptor Survey	West section of 2km Survey Radius	3:15 starting at 10:15	Visibility: good; Wind speed and direction: light air E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
12/06/2020	Breeding Raptor Survey	2km Survey Radius	3:00 starting at 10:00	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 100% >500m; Rain: none; Frost: none; Snow: none		MP
19/06/2020	Breeding Raptor Survey	2km Survey Radius	3:15 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 100% >500m; Rain: none; Frost: none; Snow: none		MP
10/07/2020	Breeding Raptor Survey	2km Survey Radius	3:00 starting at 10:00	Visibility: moderate; Wind speed and direction: gentle breeze NW; Cloud cover and height: 100% 150-500m; Rain: light showers; Frost: none; Snow: none		MP
17/07/2020	Breeding Raptor Survey	2km Survey Radius	3:00 starting at 09:30	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 100% 150-500m; Rain: persistent; Frost: none; Snow: none		MP
08/04/2021	Breeding Raptor Survey	2km Survey Radius	4:30 starting at 10:30	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		MP
09/04/2021	Breeding Raptor Survey	2km Survey Radius	4:00 starting at 10:00	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MP

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
12/05/2021	Breeding Raptor Survey	East section of 2km Survey Radius	3:00 starting at 14:30	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		MP
21/05/2021	Breeding Raptor Survey	West section of 2km Survey Radius	3:00 starting at 10:00	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		MP
04/06/2021	Breeding Raptor Survey	East section of 2km Survey Radius	3:30 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MP
18/06/2021	Breeding Raptor Survey	West section of 2km Survey Radius	3:30 starting at 10:00	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
06/07/2021	Breeding Raptor Survey	West section of 2km Survey Radius	3:30 starting at 10:30	Visibility: moderate; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		MP
07/07/2021	Breeding Raptor Survey	East section of 2km Survey Radius	3:30 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MP
03/04/2023	Breeding Raptor Survey	BR1	3:00 starting at 13:00	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JG
03/04/2023	Breeding Raptor Survey	BR2	3:00 starting at 16:30	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JG
04/04/2023	Breeding Raptor Survey	BR3	3:00 starting at 11:40	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		JG
04/04/2023	Breeding Raptor Survey	BR4	3:00 starting at 15:00	Visibility: moderate; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		JG

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
19/05/2023	Breeding Raptor Survey	BR1	3:00 starting at 10:30	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
19/05/2023	Breeding Raptor Survey	BR2	3:00 starting at 13:45	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
22/05/2023	Breeding Raptor Survey	BR3	2:00 starting at 15:00	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
22/05/2023	Breeding Raptor Survey	BR3	1:00 starting at 17:00	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV
23/05/2023	Breeding Raptor Survey	BR4	3:00 starting at 10:30	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
02/06/2023	Breeding Raptor Survey	BR1	3:00 starting at 07:00	Visibility: good; Wind speed and direction: fresh breeze SSW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
02/06/2023	Breeding Raptor Survey	BR2	1:20 starting at 10:10	Visibility: good; Wind speed and direction: moderate breeze SSW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
02/06/2023	Breeding Raptor Survey	BR2	1:40 starting at 11:30	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
20/06/2023	Breeding Raptor Survey	BR3	1:00 starting at 06:45	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV
20/06/2023	Breeding Raptor Survey	BR3	2:00 starting at 07:45	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV
20/06/2023	Breeding Raptor Survey	BR4	1:00 starting at 10:00	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		LDV
20/06/2023	Breeding Raptor Survey	BR4	1:00 starting at 11:00	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
20/06/2023	Breeding Raptor Survey	BR4	1:00 starting at 12:00	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		LDV
26/07/2023	Breeding Raptor Survey	BR1	3:00 starting at 06:45	Visibility: poor; Wind speed and direction: light air N; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		LDV
26/07/2023	Breeding Raptor Survey	BR4	0:45 starting at 10:00	Visibility: poor; Wind speed and direction: light breeze N; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		LDV
26/07/2023	Breeding Raptor Survey	BR4	1:00 starting at 10:45	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		LDV
26/07/2023	Breeding Raptor Survey	BR4	0:45 starting at 11:45	Visibility: moderate; Wind speed and direction: light breeze N; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		LDV
26/07/2023	Breeding Raptor Survey	BR4	0:30 starting at 12:30	Visibility: moderate; Wind speed and direction: light breeze N; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		LDV
28/07/2023	Breeding Raptor Survey	BR2	1:00 starting at 08:00	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		LDV
28/07/2023	Breeding Raptor Survey	BR2	1:00 starting at 09:00	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV
28/07/2023	Breeding Raptor Survey	BR2	1:00 starting at 10:00	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		LDV
28/07/2023	Breeding Raptor Survey	BR3	3:00 starting at 11:15	Visibility: good; Wind speed and direction: strong breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		LDV