



# APPENDIX 1

*BIRD SURVEY EFFORT*



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1.

# SURVEY EFFORT

Table 7 - 1 - 1 Vantage point survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
18/10/2020	Vantage Point Survey	VP1	1:00 starting at 12:10	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
18/10/2020	Vantage Point Survey	VP1	1:00 starting at 13:10	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
18/10/2020	Vantage Point Survey	VP1	1:00 starting at 14:10	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
18/10/2020	Vantage Point Survey	VP1	1:00 starting at 16:00	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
18/10/2020	Vantage Point Survey	VP1	1:00 starting at 17:00	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
18/10/2020	Vantage Point Survey	VP1	1:00 starting at 18:00	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 33-66% >500m; Rain: heavy showers; Frost: none; Snow: none		TK
21/10/2020	Vantage Point Survey	VP3	1:00 starting at 12:00	Visibility: good; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
21/10/2020	Vantage Point Survey	VP3	1:00 starting at 13:00	Visibility: good; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
21/10/2020	Vantage Point Survey	VP3	1:00 starting at 14:00	Visibility: good; Wind speed and direction: strong breeze NNW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TK
21/10/2020	Vantage Point Survey	VP3	1:00 starting at 15:30	Visibility: good; Wind speed and direction: strong breeze NNW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TK
21/10/2020	Vantage Point Survey	VP3	1:00 starting at 16:30	Visibility: good; Wind speed and direction: strong breeze NNW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TK



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
21/10/2020	Vantage Point Survey	VP3	1:00 starting at 17:30	Visibility: good; Wind speed and direction: strong breeze NNW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
22/10/2020	Vantage Point Survey	VP2	1:00 starting at 12:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
22/10/2020	Vantage Point Survey	VP2	1:00 starting at 13:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
22/10/2020	Vantage Point Survey	VP2	1:00 starting at 14:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
22/10/2020	Vantage Point Survey	VP2	1:00 starting at 15:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
22/10/2020	Vantage Point Survey	VP2	1:00 starting at 16:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
22/10/2020	Vantage Point Survey	VP2	1:00 starting at 17:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
25/11/2020	Vantage Point Survey	VP1	1:00 starting at 08:00	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none		TK
25/11/2020	Vantage Point Survey	VP1	1:00 starting at 09:00	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
25/11/2020	Vantage Point Survey	VP1	1:00 starting at 10:00	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
25/11/2020	Vantage Point Survey	VP1	1:00 starting at 11:30	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
25/11/2020	Vantage Point Survey	VP1	1:00 starting at 12:30	Visibility: good; Wind speed and direction: light breeze NNW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
25/11/2020	Vantage Point Survey	VP1	1:00 starting at 13:30	Visibility: good; Wind speed and direction: light breeze NNW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
26/11/2020	Vantage Point Survey	VP2	1:00 starting at 08:10	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
26/11/2020	Vantage Point Survey	VP2	1:00 starting at 09:10	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
26/11/2020	Vantage Point Survey	VP2	1:00 starting at 10:10	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
26/11/2020	Vantage Point Survey	VP2	1:00 starting at 11:40	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
26/11/2020	Vantage Point Survey	VP2	1:00 starting at 12:40	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
26/11/2020	Vantage Point Survey	VP2	1:00 starting at 13:40	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
28/11/2020	Vantage Point Survey	VP3	1:00 starting at 08:10	Visibility: moderate; Wind speed and direction: gentle breeze NNE; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TK
28/11/2020	Vantage Point Survey	VP3	1:00 starting at 09:10	Visibility: moderate; Wind speed and direction: gentle breeze NNE; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TK
28/11/2020	Vantage Point Survey	VP3	1:00 starting at 10:10	Visibility: good; Wind speed and direction: gentle breeze NNE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
28/11/2020	Vantage Point Survey	VP3	1:00 starting at 11:40	Visibility: good; Wind speed and direction: gentle breeze NNE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
28/11/2020	Vantage Point Survey	VP3	1:00 starting at 12:40	Visibility: good; Wind speed and direction: gentle breeze NNE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
28/11/2020	Vantage Point Survey	VP3	1:00 starting at 13:40	Visibility: good; Wind speed and direction: gentle breeze NNE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
04/12/2020	Vantage Point Survey	VP1	1:00 starting at 10:00	Visibility: moderate; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TK



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
04/12/2020	Vantage Point Survey	VP1	1:00 starting at 11:00	Visibility: moderate; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TK
04/12/2020	Vantage Point Survey	VP1	1:00 starting at 12:00	Visibility: good; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
04/12/2020	Vantage Point Survey	VP1	1:00 starting at 13:30	Visibility: good; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
04/12/2020	Vantage Point Survey	VP1	1:00 starting at 14:30	Visibility: good; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TK
04/12/2020	Vantage Point Survey	VP1	1:00 starting at 15:30	Visibility: good; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TK
05/12/2020	Vantage Point Survey	VP2	1:00 starting at 10:00	Visibility: good; Wind speed and direction: strong breeze NNW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TK
05/12/2020	Vantage Point Survey	VP2	1:00 starting at 11:00	Visibility: good; Wind speed and direction: strong breeze NNW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TK
05/12/2020	Vantage Point Survey	VP2	1:00 starting at 12:00	Visibility: good; Wind speed and direction: strong breeze NNW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
05/12/2020	Vantage Point Survey	VP2	1:00 starting at 13:30	Visibility: good; Wind speed and direction: strong breeze NNW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
05/12/2020	Vantage Point Survey	VP2	1:00 starting at 14:30	Visibility: good; Wind speed and direction: strong breeze NNW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
05/12/2020	Vantage Point Survey	VP2	1:00 starting at 15:30	Visibility: good; Wind speed and direction: strong breeze NNW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
13/12/2020	Vantage Point Survey	VP3	1:00 starting at 10:00	Visibility: moderate; Wind speed and direction: strong breeze SSE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	No target species seen	TK



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
13/12/2020	Vantage Point Survey	VP3	1:00 starting at 11:00	Visibility: moderate; Wind speed and direction: strong breeze SSE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	No target species seen	TK
13/12/2020	Vantage Point Survey	VP3	1:00 starting at 12:00	Visibility: moderate; Wind speed and direction: strong breeze SSE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No target species seen	TK
13/12/2020	Vantage Point Survey	VP3	1:00 starting at 13:30	Visibility: good; Wind speed and direction: strong breeze SSE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No target species seen	TK
13/12/2020	Vantage Point Survey	VP3	1:00 starting at 14:30	Visibility: good; Wind speed and direction: strong breeze SSE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No target species seen	TK
13/12/2020	Vantage Point Survey	VP3	1:00 starting at 15:30	Visibility: good; Wind speed and direction: strong breeze SSE; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none	No target species seen	TK
09/01/2021	Vantage Point Survey	VP1	1:00 starting at 08:40	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		TK
09/01/2021	Vantage Point Survey	VP1	1:00 starting at 09:40	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		TK
09/01/2021	Vantage Point Survey	VP1	1:00 starting at 10:40	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		TK
09/01/2021	Vantage Point Survey	VP1	1:00 starting at 12:10	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		TK
09/01/2021	Vantage Point Survey	VP1	1:00 starting at 13:10	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		TK
09/01/2021	Vantage Point Survey	VP1	1:00 starting at 14:10	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		TK
16/01/2021	Vantage Point Survey	VP2	1:00 starting at 08:30	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TK
16/01/2021	Vantage Point Survey	VP2	1:00 starting at 09:30	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TK
16/01/2021	Vantage Point Survey	VP2	1:00 starting at 10:30	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
16/01/2021	Vantage Point Survey	VP2	1:00 starting at 12:00	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
16/01/2021	Vantage Point Survey	VP2	1:00 starting at 13:00	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
16/01/2021	Vantage Point Survey	VP2	1:00 starting at 14:00	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
17/01/2021	Vantage Point Survey	VP3	1:00 starting at 08:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
17/01/2021	Vantage Point Survey	VP3	1:00 starting at 09:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
17/01/2021	Vantage Point Survey	VP3	1:00 starting at 10:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
17/01/2021	Vantage Point Survey	VP3	1:00 starting at 12:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
17/01/2021	Vantage Point Survey	VP3	1:00 starting at 13:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
17/01/2021	Vantage Point Survey	VP3	1:00 starting at 14:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
05/02/2021	Vantage Point Survey	VP1	1:00 starting at 11:10	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
05/02/2021	Vantage Point Survey	VP1	1:00 starting at 12:10	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
05/02/2021	Vantage Point Survey	VP1	1:00 starting at 13:10	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
05/02/2021	Vantage Point Survey	VP1	1:00 starting at 14:40	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
05/02/2021	Vantage Point Survey	VP1	1:00 starting at 15:40	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
05/02/2021	Vantage Point Survey	VP1	1:00 starting at 16:40	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
06/02/2021	Vantage Point Survey	VP3	1:00 starting at 11:10	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No target species seen	TK
06/02/2021	Vantage Point Survey	VP3	1:00 starting at 12:10	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No target species seen	TK
06/02/2021	Vantage Point Survey	VP3	1:00 starting at 13:10	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No target species seen	TK
06/02/2021	Vantage Point Survey	VP3	1:00 starting at 14:40	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No target species seen	TK
06/02/2021	Vantage Point Survey	VP3	1:00 starting at 15:40	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No target species seen	TK
06/02/2021	Vantage Point Survey	VP3	1:00 starting at 16:40	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No target species seen	TK
26/02/2021	Vantage Point Survey	VP2	1:00 starting at 11:55	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
26/02/2021	Vantage Point Survey	VP2	1:00 starting at 12:55	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
26/02/2021	Vantage Point Survey	VP2	1:00 starting at 13:55	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
26/02/2021	Vantage Point Survey	VP2	1:00 starting at 15:25	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
26/02/2021	Vantage Point Survey	VP2	1:00 starting at 16:25	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
26/02/2021	Vantage Point Survey	VP2	1:00 starting at 17:25	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	No target species seen	TK
02/03/2021	Vantage Point Survey	VP2	1:00 starting at 07:20	Visibility: good; Wind speed and direction: moderate breeze ESE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
02/03/2021	Vantage Point Survey	VP2	1:00 starting at 08:20	Visibility: good; Wind speed and direction: moderate breeze ESE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
02/03/2021	Vantage Point Survey	VP2	1:00 starting at 09:20	Visibility: good; Wind speed and direction: moderate breeze ESE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
02/03/2021	Vantage Point Survey	VP2	1:00 starting at 10:50	Visibility: good; Wind speed and direction: moderate breeze ESE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
02/03/2021	Vantage Point Survey	VP2	1:00 starting at 11:50	Visibility: good; Wind speed and direction: moderate breeze ESE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
02/03/2021	Vantage Point Survey	VP2	1:00 starting at 12:50	Visibility: good; Wind speed and direction: moderate breeze ESE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
04/03/2021	Vantage Point Survey	VP1	1:00 starting at 07:15	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
04/03/2021	Vantage Point Survey	VP1	1:00 starting at 08:15	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
04/03/2021	Vantage Point Survey	VP1	1:00 starting at 09:15	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
04/03/2021	Vantage Point Survey	VP1	1:00 starting at 10:45	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
04/03/2021	Vantage Point Survey	VP1	1:00 starting at 11:45	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
04/03/2021	Vantage Point Survey	VP1	1:00 starting at 12:45	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
14/03/2021	Vantage Point Survey	VP3	1:00 starting at 06:50	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No Target species seen	TK
14/03/2021	Vantage Point Survey	VP3	1:00 starting at 07:50	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No Target species seen	TK
14/03/2021	Vantage Point Survey	VP3	1:00 starting at 08:50	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No Target species seen	TK
14/03/2021	Vantage Point Survey	VP3	1:00 starting at 10:20	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No Target species seen	TK
14/03/2021	Vantage Point Survey	VP3	1:00 starting at 11:20	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	No Target species seen	TK
14/03/2021	Vantage Point Survey	VP3	1:00 starting at 12:20	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	No Target species seen	TK
15/04/2021	Vantage Point Survey	VP3	3:00 starting at 15:05	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		SD
15/04/2021	Vantage Point Survey	VP3	0:30 starting at 18:35	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% <150m; Rain: none; Frost: none; Snow: none		SD
15/04/2021	Vantage Point Survey	VP3	2:30 starting at 19:05	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SD
16/04/2021	Vantage Point Survey	VP2	3:00 starting at 15:07	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% <150m; Rain: none; Frost: none; Snow: none		SD
16/04/2021	Vantage Point Survey	VP2	3:00 starting at 18:37	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% <150m; Rain: drizzle; Frost: none; Snow: none		SD

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
20/04/2021	Vantage Point Survey	VP1	3:00 starting at 15:14	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 33-66% <150m; Rain: none; Frost: none; Snow: none		SD
20/04/2021	Vantage Point Survey	VP1	3:00 starting at 18:44	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 33-66% <150m; Rain: none; Frost: none; Snow: none		SD
26/04/2021	Vantage Point Survey	VP4	3:00 starting at 15:25	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SD
26/04/2021	Vantage Point Survey	VP4	1:00 starting at 18:55	Visibility: moderate; Wind speed and direction: fresh breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	facing into direct sun	SD
26/04/2021	Vantage Point Survey	VP4	2:00 starting at 19:55	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SD
05/05/2021	Vantage Point Survey	VP3	0:05 starting at 04:55	Visibility: poor; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		SOB
05/05/2021	Vantage Point Survey	VP3	2:30 starting at 05:00	Visibility: moderate; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		SOB
05/05/2021	Vantage Point Survey	VP3	0:15 starting at 07:30	Visibility: moderate; Wind speed and direction: strong breeze NW; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none	break early due to sudden hailstone	SOB
05/05/2021	Vantage Point Survey	VP3	0:15 starting at 08:15	Visibility: moderate; Wind speed and direction: NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		SOB
05/05/2021	Vantage Point Survey	VP3	0:35 starting at 08:30	Visibility: moderate; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% ; Rain: none; Frost: none; Snow: none		SOB
05/05/2021	Vantage Point Survey	VP3	1:10 starting at 09:05	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		SOB
05/05/2021	Vantage Point Survey	VP3	1:15 starting at 10:15	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		SOB
07/05/2021	Vantage Point Survey	VP2	1:05 starting at 04:55	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		SOB
07/05/2021	Vantage Point Survey	VP2	2:00 starting at 06:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SOB

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
07/05/2021	Vantage Point Survey	VP2	3:00 starting at 08:30	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SOB
11/05/2021	Vantage Point Survey	VP1	1:30 starting at 05:00	Visibility: moderate; Wind speed and direction: fresh breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SOB
11/05/2021	Vantage Point Survey	VP1	1:30 starting at 06:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 0-33% ; Rain: none; Frost: none; Snow: none		SOB
11/05/2021	Vantage Point Survey	VP1	1:00 starting at 08:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	finish break 8:30	SOB
11/05/2021	Vantage Point Survey	VP1	2:00 starting at 09:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		SOB
12/05/2021	Vantage Point Survey	VP4	1:00 starting at 05:00	Visibility: poor; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	dark and misty	SOB
12/05/2021	Vantage Point Survey	VP4	0:20 starting at 06:00	Visibility: moderate; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	bright but mist obscures in some areas	SOB
12/05/2021	Vantage Point Survey	VP4	0:40 starting at 06:20	Visibility: poor; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	mist worsens	SOB
12/05/2021	Vantage Point Survey	VP4	1:00 starting at 07:00	Visibility: limited; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		SOB
12/05/2021	Vantage Point Survey	VP4	0:45 starting at 08:30	Visibility: moderate; Wind speed and direction: light air SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		SOB
12/05/2021	Vantage Point Survey	VP4	1:15 starting at 09:15	Visibility: poor; Wind speed and direction: light air SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
12/05/2021	Vantage Point Survey	VP4	1:00 starting at 10:30	Visibility: moderate; Wind speed and direction: light air SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	mist significantly better	SOB
02/06/2021	Vantage Point Survey	VP1	0:45 starting at 11:20	Visibility: poor; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	lot of mist	SOB
02/06/2021	Vantage Point Survey	VP1	0:25 starting at 12:05	Visibility: poor; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		SOB



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
02/06/2021	Vantage Point Survey	VP1	1:45 starting at 12:30	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
02/06/2021	Vantage Point Survey	VP1	2:15 starting at 14:45	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
02/06/2021	Vantage Point Survey	VP1	0:50 starting at 17:00	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
04/06/2021	Vantage Point Survey	VP4	0:30 starting at 13:45	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		SOB
04/06/2021	Vantage Point Survey	VP4	2:30 starting at 14:15	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	took break early due to rain	SOB
04/06/2021	Vantage Point Survey	VP4	0:30 starting at 16:45	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
04/06/2021	Vantage Point Survey	VP4	0:45 starting at 17:15	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		SOB
04/06/2021	Vantage Point Survey	VP4	1:00 starting at 18:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		SOB
04/06/2021	Vantage Point Survey	VP4	1:15 starting at 19:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
11/06/2021	Vantage Point Survey	VP3	2:00 starting at 12:00	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
11/06/2021	Vantage Point Survey	VP3	1:30 starting at 14:00	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 33-66% 150-500m; Rain: ; Frost: none; Snow: none		SOB
11/06/2021	Vantage Point Survey	VP3	1:15 starting at 15:30	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% 150-500m; Rain: ; Frost: none; Snow: none		SOB
11/06/2021	Vantage Point Survey	VP3	0:30 starting at 16:45	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		SOB



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
11/06/2021	Vantage Point Survey	VP3	1:15 starting at 17:15	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
21/06/2021	Vantage Point Survey	VP2	3:15 starting at 14:00	Visibility: good; Wind speed and direction: strong breeze N; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	hard to hear birdcalls with wind	SOB
21/06/2021	Vantage Point Survey	VP2	1:45 starting at 17:45	Visibility: good; Wind speed and direction: fresh breeze N; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		SOB
21/06/2021	Vantage Point Survey	VP2	1:00 starting at 19:30	Visibility: moderate; Wind speed and direction: fresh breeze N; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none	setting sun in west causes glare that reduces visibility in some areas	SOB
06/07/2021	Vantage Point Survey	VP1	0:35 starting at 11:40	Visibility: poor; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	sometimes heavy mist sometimes light mist	SOB
06/07/2021	Vantage Point Survey	VP1	2:25 starting at 12:15	Visibility: moderate; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	mist clears. took shorter break due to time constraints	SOB
06/07/2021	Vantage Point Survey	VP1	0:40 starting at 14:50	Visibility: moderate; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
06/07/2021	Vantage Point Survey	VP1	1:00 starting at 15:30	Visibility: limited; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	mist gets very dense very low visibility	SOB
06/07/2021	Vantage Point Survey	VP1	1:20 starting at 16:30	Visibility: poor; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	mist clears up briefly from time to time during remainder of survey	SOB
07/07/2021	Vantage Point Survey	VP4	3:00 starting at 14:00	Visibility: good; Wind speed and direction: moderate breeze N; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	clouds occasionally obscure mountain tops, but they move on fast	SOB
07/07/2021	Vantage Point Survey	VP4	3:00 starting at 17:30	Visibility: moderate; Wind speed and direction: moderate breeze N; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	slightly lower light levels	SOB
09/07/2021	Vantage Point Survey	VP2	2:15 starting at 13:30	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
09/07/2021	Vantage Point Survey	VP2	0:30 starting at 15:45	Visibility: moderate; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		SOB
09/07/2021	Vantage Point Survey	VP2	0:15 starting at 16:15	Visibility: moderate; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none	started raining took break for 30 mins	SOB
09/07/2021	Vantage Point Survey	VP2	0:30 starting at 17:00	Visibility: moderate; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		SOB
09/07/2021	Vantage Point Survey	VP2	1:00 starting at 17:30	Visibility: moderate; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		SOB
09/07/2021	Vantage Point Survey	VP2	1:30 starting at 18:30	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
20/07/2021	Vantage Point Survey	VP3	2:00 starting at 11:45	Visibility: good; Wind speed and direction: light air W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SOB
20/07/2021	Vantage Point Survey	VP3	1:30 starting at 13:45	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SOB
20/07/2021	Vantage Point Survey	VP3	2:30 starting at 15:45	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SOB
13/08/2021	Vantage Point Survey	VP4	0:20 starting at 11:30	Visibility: moderate; Wind speed and direction: strong breeze WSW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
13/08/2021	Vantage Point Survey	VP4	2:40 starting at 11:50	Visibility: moderate; Wind speed and direction: near gale WSW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
13/08/2021	Vantage Point Survey	VP4	0:25 starting at 15:00	Visibility: moderate; Wind speed and direction: near gale WSW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	took 30 min break	SOB
13/08/2021	Vantage Point Survey	VP4	0:25 starting at 15:25	Visibility: moderate; Wind speed and direction: strong breeze WSW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none	short burst of rain	SOB
13/08/2021	Vantage Point Survey	VP4	1:10 starting at 15:50	Visibility: good; Wind speed and direction: near gale WSW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
13/08/2021	Vantage Point Survey	VP4	0:30 starting at 17:00	Visibility: moderate; Wind speed and direction: fresh breeze WSW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
13/08/2021	Vantage Point Survey	VP4	0:30 starting at 17:30	Visibility: moderate; Wind speed and direction: near gale WSW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
18/08/2021	Vantage Point Survey	VP2	0:15 starting at 10:30	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		SOB
18/08/2021	Vantage Point Survey	VP2	0:15 starting at 10:45	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
18/08/2021	Vantage Point Survey	VP2	0:30 starting at 11:00	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		SOB
18/08/2021	Vantage Point Survey	VP2	1:15 starting at 11:30	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
18/08/2021	Vantage Point Survey	VP2	0:15 starting at 12:45	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		SOB
18/08/2021	Vantage Point Survey	VP2	1:00 starting at 13:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	surveyed for extra half hour because kestrels were present	SOB
18/08/2021	Vantage Point Survey	VP2	2:30 starting at 14:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
19/08/2021	Vantage Point Survey	VP1	0:25 starting at 12:20	Visibility: moderate; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	Very overcast day. Slightly misty	SOB
19/08/2021	Vantage Point Survey	VP1	1:00 starting at 12:45	Visibility: poor; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	Got very misty	SOB
19/08/2021	Vantage Point Survey	VP1	0:20 starting at 13:45	Visibility: moderate; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	mist cleared up briefly	SOB

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
19/08/2021	Vantage Point Survey	VP1	0:25 starting at 14:05	Visibility: limited; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none	Mist became very heavy	SOB
19/08/2021	Vantage Point Survey	VP1	0:15 starting at 14:30	Visibility: poor; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	mist still present but less heavy	SOB
19/08/2021	Vantage Point Survey	VP1	0:35 starting at 14:45	Visibility: moderate; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	finally mist cleared up	SOB
19/08/2021	Vantage Point Survey	VP1	1:00 starting at 15:40	Visibility: moderate; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
19/08/2021	Vantage Point Survey	VP1	2:00 starting at 16:40	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
26/08/2021	Vantage Point Survey	VP3	3:00 starting at 12:05	Visibility: good; Wind speed and direction: gentle breeze WSW; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none	bright sunny day with good visibility. A few small cumulus clouds	SOB
26/08/2021	Vantage Point Survey	VP3	3:00 starting at 15:35	Visibility: good; Wind speed and direction: light breeze WSW; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none	after break breeze gentler, little heat haze, lots of winged ants. Large flock of meadow pipit	SOB
07/09/2021	Vantage Point Survey	VP4	3:00 starting at 14:45	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Kestrel, Hen harrier bright clear day. Altocumulus, lenticular and cirrus clouds	SOB
07/09/2021	Vantage Point Survey	VP4	1:25 starting at 18:15	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SOB
07/09/2021	Vantage Point Survey	VP4	0:50 starting at 19:40	Visibility: moderate; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SOB
07/09/2021	Vantage Point Survey	VP4	0:30 starting at 20:30	Visibility: poor; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SOB
07/09/2021	Vantage Point Survey	VP4	0:15 starting at 21:00	Visibility: limited; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SOB
10/09/2021	Vantage Point Survey	VP1	0:25 starting at 14:35	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
10/09/2021	Vantage Point Survey	VP1	0:30 starting at 15:00	Visibility: poor; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	mist rolled in	SOB
10/09/2021	Vantage Point Survey	VP1	0:15 starting at 15:30	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	mist cleared	SOB
10/09/2021	Vantage Point Survey	VP1	0:15 starting at 15:45	Visibility: poor; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	mist rolled in	SOB
10/09/2021	Vantage Point Survey	VP1	0:25 starting at 16:00	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	mist cleared	SOB
10/09/2021	Vantage Point Survey	VP1	0:55 starting at 16:25	Visibility: moderate; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	mist rolled in	SOB
10/09/2021	Vantage Point Survey	VP1	0:15 starting at 17:20	Visibility: good; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	mist cleared	SOB
10/09/2021	Vantage Point Survey	VP1	1:25 starting at 18:05	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	Took 30 min Break	SOB
10/09/2021	Vantage Point Survey	VP1	0:15 starting at 19:30	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
10/09/2021	Vantage Point Survey	VP1	0:15 starting at 19:45	Visibility: moderate; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	mist rolled in	SOB
10/09/2021	Vantage Point Survey	VP1	0:10 starting at 20:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	mist cleared	SOB
10/09/2021	Vantage Point Survey	VP1	0:10 starting at 20:10	Visibility: limited; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	mist rolled in and getting darker	SOB
10/09/2021	Vantage Point Survey	VP1	0:10 starting at 20:20	Visibility: moderate; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	mist cleared	SOB



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
10/09/2021	Vantage Point Survey	VP1	0:35 starting at 20:30	Visibility: poor; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	getting darker	SOB
17/09/2021	Vantage Point Survey	VP2	1:00 starting at 14:10	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% <150m; Rain: none; Frost: none; Snow: none		SOB
17/09/2021	Vantage Point Survey	VP2	2:00 starting at 15:10	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		SOB
17/09/2021	Vantage Point Survey	VP2	2:05 starting at 17:10	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		SOB
17/09/2021	Vantage Point Survey	VP2	0:55 starting at 19:15	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none	glare from sun setting and reflecting off ocean reduced visibility in some parts of viewshed	SOB
17/09/2021	Vantage Point Survey	VP2	0:15 starting at 20:10	Visibility: poor; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		SOB
17/09/2021	Vantage Point Survey	VP2	0:15 starting at 20:25	Visibility: limited; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	0:15 starting at 14:00	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	0:30 starting at 14:15	Visibility: poor; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	0:10 starting at 14:45	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	0:15 starting at 14:55	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	0:30 starting at 15:10	Visibility: poor; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		SOB

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
21/09/2021	Vantage Point Survey	VP3	0:10 starting at 15:40	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	1:10 starting at 15:50	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	0:10 starting at 17:30	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	0:10 starting at 17:40	Visibility: poor; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	0:20 starting at 17:50	Visibility: limited; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	0:30 starting at 18:10	Visibility: poor; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	0:05 starting at 18:40	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	0:15 starting at 18:45	Visibility: poor; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	0:10 starting at 18:50	Visibility: poor; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	0:30 starting at 19:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	0:30 starting at 19:30	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
21/09/2021	Vantage Point Survey	VP3	0:30 starting at 20:00	Visibility: poor; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
08/10/2021	Vantage Point Survey	VP2	1:40 starting at 06:50	Visibility: poor; Wind speed and direction: near gale SE; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
08/10/2021	Vantage Point Survey	VP2	3:00 starting at 08:30	Visibility: good; Wind speed and direction: near gale SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
08/10/2021	Vantage Point Survey	VP2	1:50 starting at 11:30	Visibility: good; Wind speed and direction: near gale SE; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR
22/10/2021	Vantage Point Survey	VP1	6:30 starting at 07:00	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
26/10/2021	Vantage Point Survey	VP4	6:30 starting at 07:20	Visibility: moderate; Wind speed and direction: near gale SW; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR
02/11/2021	Vantage Point Survey	VP3	6:30 starting at 07:25	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
17/11/2021	Vantage Point Survey	VP4	5:35 starting at 11:10	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
17/11/2021	Vantage Point Survey	VP4	0:55 starting at 16:45	Visibility: poor; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
18/11/2021	Vantage Point Survey	VP1	2:05 starting at 11:10	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
18/11/2021	Vantage Point Survey	VP1	10:45 starting at 13:15	Visibility: moderate; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR
23/11/2021	Vantage Point Survey	VP2	6:30 starting at 11:00	Visibility: good; Wind speed and direction: calm E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
24/11/2021	Vantage Point Survey	VP3	6:30 starting at 11:00	Visibility: good; Wind speed and direction: fresh breeze N; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none		TR
06/12/2021	Vantage Point Survey	VP2	4:30 starting at 07:30	Visibility: poor; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none	Heavy rain and hail showers throughout the day	TR



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
06/12/2021	Vantage Point Survey	VP2	2:00 starting at 12:00	Visibility: poor; Wind speed and direction: near gale SW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none	No target species recorded	TR
09/12/2021	Vantage Point Survey	VP4	2:55 starting at 07:35	Visibility: limited; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
09/12/2021	Vantage Point Survey	VP4	3:35 starting at 10:30	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TR
16/12/2021	Vantage Point Survey	VP3	6:31 starting at 07:44	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
17/12/2021	Vantage Point Survey	VP1	6:31 starting at 07:44	Visibility: moderate; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
06/01/2022	Vantage Point Survey	VP4	6:30 starting at 11:00	Visibility: moderate; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none	Heavy hail and rain and strong gales reducing visibility at times	TR
11/01/2022	Vantage Point Survey	VP2	6:30 starting at 11:15	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
13/01/2022	Vantage Point Survey	VP3	6:30 starting at 11:15	Visibility: moderate; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
24/01/2022	Vantage Point Survey	VP1	6:30 starting at 11:30	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
03/02/2022	Vantage Point Survey	VP2	6:30 starting at 07:15	Visibility: limited; Wind speed and direction: near gale W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	Winds gusting to F8, visibility <40m at times	TR
07/02/2022	Vantage Point Survey	VP1	1:00 starting at 07:10	Visibility: none; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR
07/02/2022	Vantage Point Survey	VP1	5:30 starting at 08:10	Visibility: poor; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
25/02/2022	Vantage Point Survey	VP3	6:30 starting at 06:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
28/02/2022	Vantage Point Survey	VP4	3:05 starting at 06:25	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
28/02/2022	Vantage Point Survey	VP4	3:25 starting at 09:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
15/03/2022	Vantage Point Survey	VP4	3:00 starting at 13:10	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
15/03/2022	Vantage Point Survey	VP4	3:00 starting at 16:40	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
16/03/2022	Vantage Point Survey	VP1	3:00 starting at 13:10	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
16/03/2022	Vantage Point Survey	VP1	3:00 starting at 16:40	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
29/03/2022	Vantage Point Survey	VP2	3:00 starting at 14:35	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
29/03/2022	Vantage Point Survey	VP2	3:00 starting at 18:05	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
30/03/2022	Vantage Point Survey	VP3	3:00 starting at 14:35	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
30/03/2022	Vantage Point Survey	VP3	3:00 starting at 18:05	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
06/04/2022	Vantage Point Survey	VP4	3:00 starting at 06:00	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
06/04/2022	Vantage Point Survey	VP4	3:00 starting at 09:30	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
21/04/2022	Vantage Point Survey	VP1	3:00 starting at 05:25	Visibility: good; Wind speed and direction: near gale SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
21/04/2022	Vantage Point Survey	VP1	3:00 starting at 08:55	Visibility: good; Wind speed and direction: near gale SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
25/04/2022	Vantage Point Survey	VP2	3:00 starting at 05:15	Visibility: poor; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Heavy fog restricted view to <200m at times	TR
25/04/2022	Vantage Point Survey	VP2	3:00 starting at 08:45	Visibility: poor; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Heavy fog restricted view to <200m at times	TR
26/04/2022	Vantage Point Survey	VP3	3:00 starting at 05:15	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
26/04/2022	Vantage Point Survey	VP3	3:00 starting at 08:45	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
18/05/2022	Vantage Point Survey	VP4	3:00 starting at 19:35	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TR
23/05/2022	Vantage Point Survey	VP2	3:00 starting at 19:45	Visibility: moderate; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
24/05/2022	Vantage Point Survey	VP3	3:00 starting at 19:45	Visibility: moderate; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	Mist and heavy showers reduced visibility greatly at times esp. during last 30 mins of survey.	TR
25/05/2022	Vantage Point Survey	VP1	3:00 starting at 19:45	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
14/06/2022	Vantage Point Survey	VP3	3:00 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
14/06/2022	Vantage Point Survey	VP3	3:00 starting at 13:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
16/06/2022	Vantage Point Survey	VP4	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		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
16/06/2022	Vantage Point Survey	VP4	3:00 starting at 13:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
20/06/2022	Vantage Point Survey	VP2	3:00 starting at 10:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
20/06/2022	Vantage Point Survey	VP2	3:00 starting at 14:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
27/06/2022	Vantage Point Survey	VP1	3:00 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
27/06/2022	Vantage Point Survey	VP1	3:00 starting at 13:15	Visibility: moderate; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
05/07/2022	Vantage Point Survey	VP2	2:50 starting at 09:00	Visibility: none; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none	abandoned due to poor visibility <50m	TR
12/07/2022	Vantage Point Survey	VP4	3:00 starting at 11:15	Visibility: limited; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none	constant rain with heavy showers	TR
13/07/2022	Vantage Point Survey	VP2	3:00 starting at 09:40	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
13/07/2022	Vantage Point Survey	VP2	3:00 starting at 13:10	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
25/07/2022	Vantage Point Survey	VP4	3:00 starting at 11:00	Visibility: moderate; Wind speed and direction: fresh breeze N; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TR
25/07/2022	Vantage Point Survey	VP4	3:00 starting at 14:30	Visibility: moderate; Wind speed and direction: fresh breeze N; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TR
26/07/2022	Vantage Point Survey	VP3	3:00 starting at 10:30	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
26/07/2022	Vantage Point Survey	VP3	3:00 starting at 14:00	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
27/07/2022	Vantage Point Survey	VP1	3:00 starting at 09:00	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
29/07/2022	Vantage Point Survey	VP1	3:00 starting at 10:15	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
29/07/2022	Vantage Point Survey	VP1	3:00 starting at 13:45	Visibility: limited; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none	Heavy rain reduced visibility. Slievecallan, Slievecurry and lan across the valley all beneath rain and cloud and out of view	TR
03/08/2022	Vantage Point Survey	VP4	3:00 starting at 11:30	Visibility: moderate; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		TR
03/08/2022	Vantage Point Survey	VP4	3:00 starting at 15:00	Visibility: poor; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	Rain heavier and more prolonged, visibility deteriorated with Slievecallan and Slievecurry mostly out of sight.	TR
04/08/2022	Vantage Point Survey	VP2	3:00 starting at 09:30	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
04/08/2022	Vantage Point Survey	VP2	3:00 starting at 13:00	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
08/08/2022	Vantage Point Survey	VP1	3:00 starting at 10:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
08/08/2022	Vantage Point Survey	VP1	3:00 starting at 14:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
09/08/2022	Vantage Point Survey	VP3	3:00 starting at 10:30	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
09/08/2022	Vantage Point Survey	VP3	3:00 starting at 14:00	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
10/08/2022	Vantage Point Survey	VP2	3:00 starting at 10:40	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
10/08/2022	Vantage Point Survey	VP3	3:00 starting at 14:00	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
20/09/2022	Vantage Point Survey	VP4	3:00 starting at 14:10	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
20/09/2022	Vantage Point Survey	VP4	3:00 starting at 17:40	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
23/09/2022	Vantage Point Survey	VP1	3:00 starting at 14:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
23/09/2022	Vantage Point Survey	VP1	3:00 starting at 17:35	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
28/09/2022	Vantage Point Survey	VP2	3:00 starting at 14:00	Visibility: moderate; Wind speed and direction: strong breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TR
28/09/2022	Vantage Point Survey	VP2	3:00 starting at 17:40	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		TR
03/10/2022	Vantage Point Survey	VP3	3:00 starting at 13:40	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	September survey carried over due to weather	TR
03/10/2022	Vantage Point Survey	VP3	3:00 starting at 17:10	Visibility: good; Wind speed and direction: near gale SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	September survey carried over due to weather	TR
05/10/2022	Vantage Point Survey	VP4	3:00 starting at 06:45	Visibility: poor; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
05/10/2022	Vantage Point Survey	VP4	3:00 starting at 10:15	Visibility: poor; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		TR
06/10/2022	Vantage Point Survey	VP1	3:00 starting at 06:45	Visibility: moderate; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TR
06/10/2022	Vantage Point Survey	VP1	3:00 starting at 10:15	Visibility: moderate; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	Slievecallan hidden by cloud	TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
26/10/2022	Vantage Point Survey	VP3	3:00 starting at 07:20	Visibility: moderate; Wind speed and direction: near gale SSW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TR
26/10/2022	Vantage Point Survey	VP3	3:00 starting at 10:50	Visibility: good; Wind speed and direction: strong breeze SSW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
27/10/2022	Vantage Point Survey	VP2	3:00 starting at 07:20	Visibility: good; Wind speed and direction: near gale SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
27/10/2022	Vantage Point Survey	VP2	3:00 starting at 10:50	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
08/11/2022	Vantage Point Survey	VP4	3:00 starting at 11:20	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
08/11/2022	Vantage Point Survey	VP4	3:00 starting at 14:50	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TR
24/11/2022	Vantage Point Survey	VP1	3:00 starting at 11:00	Visibility: moderate; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TR
24/11/2022	Vantage Point Survey	VP1	3:00 starting at 14:30	Visibility: poor; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none	Heavy rain and hail throughout second half of survey hampering visibility.	TR
06/12/2022	Vantage Point Survey	VP2	3:00 starting at 10:50	Visibility: moderate; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		TR
06/12/2022	Vantage Point Survey	VP2	3:00 starting at 14:20	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
07/12/2022	Vantage Point Survey	VP3	3:00 starting at 10:50	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
07/12/2022	Vantage Point Survey	VP3	3:00 starting at 14:20	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
08/12/2022	Vantage Point Survey	VP1	3:00 starting at 07:35	Visibility: limited; Wind speed and direction: light breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	Heavy fog restricting visibility	TR
08/12/2022	Vantage Point Survey	VP1	3:00 starting at 11:05	Visibility: moderate; Wind speed and direction: light breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	Fog clearing for spells before returning for mixed visibility	TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
13/12/2022	Vantage Point Survey	VP4	3:00 starting at 07:40	Visibility: moderate; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: heavy; Snow: none	Spells of heavy fog covering Slievecallan and Slievecurry	TR
13/12/2022	Vantage Point Survey	VP4	3:00 starting at 12:10	Visibility: moderate; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: heavy; Snow: none		TR
20/12/2022	Vantage Point Survey	VP3	3:00 starting at 07:45	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none	No target species recorded	TR
20/12/2022	Vantage Point Survey	VP3	3:00 starting at 11:15	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
21/12/2022	Vantage Point Survey	VP2	3:00 starting at 07:45	Visibility: good; Wind speed and direction: near gale NW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none	Gusting to F8. No target species recorded	TR
21/12/2022	Vantage Point Survey	VP2	3:00 starting at 11:15	Visibility: good; Wind speed and direction: near gale W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
04/01/2023	Vantage Point Survey	VP4	3:00 starting at 11:05	Visibility: moderate; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TR
04/01/2023	Vantage Point Survey	VP4	3:00 starting at 14:35	Visibility: poor; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none	Rain heavy & persistent. Top of Slievecurry hidden and entirety of Slievecallan hillside.	TR
06/01/2023	Vantage Point Survey	VP1	3:00 starting at 11:05	Visibility: good; Wind speed and direction: strong breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
06/01/2023	Vantage Point Survey	VP1	3:00 starting at 14:35	Visibility: moderate; Wind speed and direction: strong breeze SE; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR
26/01/2023	Vantage Point Survey	VP2	3:00 starting at 11:30	Visibility: poor; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR
26/01/2023	Vantage Point Survey	VP2	3:00 starting at 15:00	Visibility: poor; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
31/01/2023	Vantage Point Survey	VP3	3:00 starting at 11:50	Visibility: poor; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR
31/01/2023	Vantage Point Survey	VP3	3:00 starting at 15:20	Visibility: poor; Wind speed and direction: strong breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TR
07/02/2023	Vantage Point Survey	VP4	3:00 starting at 07:10	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TR
07/02/2023	Vantage Point Survey	VP4	3:00 starting at 10:40	Visibility: poor; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	Persistent drizzle and mist covering all of S'callan wind farm and top of S'curry	TR
08/02/2023	Vantage Point Survey	VP1	3:00 starting at 07:10	Visibility: good; Wind speed and direction: near gale SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
08/02/2023	Vantage Point Survey	VP1	3:00 starting at 10:40	Visibility: good; Wind speed and direction: near gale SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
27/02/2023	Vantage Point Survey	VP2	3:00 starting at 06:30	Visibility: good; Wind speed and direction: moderate breeze SSW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		TR
27/02/2023	Vantage Point Survey	VP2	3:00 starting at 10:00	Visibility: good; Wind speed and direction: strong breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
28/02/2023	Vantage Point Survey	VP3	3:00 starting at 06:30	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
28/02/2023	Vantage Point Survey	VP3	3:00 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		TR
13/03/2023	Vantage Point Survey	VP4	3:00 starting at 13:00	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TR
13/03/2023	Vantage Point Survey	VP4	3:00 starting at 16:30	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
14/03/2023	Vantage Point Survey	VP1	3:00 starting at 13:00	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none	Showers of sleet and hail	TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
14/03/2023	Vantage Point Survey	VP1	3:00 starting at 16:30	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	No target species	TR
21/03/2023	Vantage Point Survey	VP3	3:00 starting at 13:20	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
21/03/2023	Vantage Point Survey	VP3	3:00 starting at 16:50	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none	No target species	TR
22/03/2023	Vantage Point Survey	VP2	3:00 starting at 13:20	Visibility: moderate; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none	Heavy rain and hail throughout. Left VP for approx. 40 mins to come down off hill during lightning storm.	TR
22/03/2023	Vantage Point Survey	VP2	3:00 starting at 16:50	Visibility: moderate; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
01/04/2023	Vantage Point Survey	VP4	1:00 starting at 05:20	Visibility: limited; Wind speed and direction: moderate breeze WNW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MS
01/04/2023	Vantage Point Survey	VP4	1:00 starting at 06:20	Visibility: moderate; Wind speed and direction: moderate breeze WNW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MS
01/04/2023	Vantage Point Survey	VP4	1:00 starting at 07:20	Visibility: moderate; Wind speed and direction: moderate breeze WNW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MS
01/04/2023	Vantage Point Survey	VP4	1:00 starting at 08:50	Visibility: good; Wind speed and direction: moderate breeze WNW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MS
01/04/2023	Vantage Point Survey	VP4	1:00 starting at 09:50	Visibility: moderate; Wind speed and direction: moderate breeze WNW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MS
01/04/2023	Vantage Point Survey	VP4	1:00 starting at 10:50	Visibility: moderate; Wind speed and direction: moderate breeze WNW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MS
04/04/2023	Vantage Point Survey	VP1	3:00 starting at 06:00	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
04/04/2023	Vantage Point Survey	VP1	3:00 starting at 09:30	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
23/04/2023	Vantage Point Survey	VP3	1:00 starting at 05:20	Visibility: limited; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MS
23/04/2023	Vantage Point Survey	VP3	1:00 starting at 06:20	Visibility: poor; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MS
23/04/2023	Vantage Point Survey	VP3	1:00 starting at 07:20	Visibility: moderate; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MS
23/04/2023	Vantage Point Survey	VP3	1:00 starting at 08:50	Visibility: moderate; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MS
23/04/2023	Vantage Point Survey	VP3	1:00 starting at 09:50	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MS
23/04/2023	Vantage Point Survey	VP3	1:00 starting at 10:50	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MS
24/04/2023	Vantage Point Survey	VP2	1:00 starting at 05:20	Visibility: limited; Wind speed and direction: gentle breeze N; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MS
24/04/2023	Vantage Point Survey	VP2	1:00 starting at 06:20	Visibility: moderate; Wind speed and direction: gentle breeze N; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MS
24/04/2023	Vantage Point Survey	VP2	1:00 starting at 07:20	Visibility: moderate; Wind speed and direction: gentle breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MS
24/04/2023	Vantage Point Survey	VP2	1:00 starting at 08:50	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MS
24/04/2023	Vantage Point Survey	VP2	1:00 starting at 09:50	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MS



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
24/04/2023	Vantage Point Survey	VP2	1:00 starting at 10:50	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MS
09/05/2023	Vantage Point Survey	VP4	3:00 starting at 15:50	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
09/05/2023	Vantage Point Survey	VP4	3:00 starting at 19:20	Visibility: limited; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
11/05/2023	Vantage Point Survey	VP1	3:00 starting at 15:50	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
11/05/2023	Vantage Point Survey	VP1	3:00 starting at 19:20	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
17/05/2023	Vantage Point Survey	VP3	3:00 starting at 16:05	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
17/05/2023	Vantage Point Survey	VP3	3:00 starting at 19:35	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
30/05/2023	Vantage Point Survey	VP2	1:00 starting at 16:00	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	V sunny, two raptor species	MH
30/05/2023	Vantage Point Survey	VP2	1:00 starting at 17:00	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MH
30/05/2023	Vantage Point Survey	VP2	1:00 starting at 18:00	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MH
30/05/2023	Vantage Point Survey	VP2	1:00 starting at 19:30	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MH
30/05/2023	Vantage Point Survey	VP2	1:00 starting at 20:30	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MH
30/05/2023	Vantage Point Survey	VP2	1:00 starting at 21:30	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MH
08/06/2023	Vantage Point Survey	VP4	3:00 starting at 11:45	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		CG



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
08/06/2023	Vantage Point Survey	VP4	3:00 starting at 15:15	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		CG
16/06/2023	Vantage Point Survey	VP1	3:00 starting at 09:15	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TR
16/06/2023	Vantage Point Survey	VP1	3:00 starting at 12:45	Visibility: moderate; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TR
19/06/2023	Vantage Point Survey	VP2	3:00 starting at 10:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		CG
19/06/2023	Vantage Point Survey	VP2	3:00 starting at 13:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none		CG
29/06/2023	Vantage Point Survey	VP3	3:00 starting at 09:00	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		CG
29/06/2023	Vantage Point Survey	VP3	3:00 starting at 12:30	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		CG
06/07/2023	Vantage Point Survey	VP4	3:00 starting at 10:15	Visibility: moderate; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
06/07/2023	Vantage Point Survey	VP4	3:00 starting at 13:45	Visibility: moderate; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TR
20/07/2023	Vantage Point Survey	VP1	3:00 starting at 11:20	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
20/07/2023	Vantage Point Survey	VP1	3:00 starting at 15:10	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
27/07/2023	Vantage Point Survey	VP2	3:00 starting at 11:45	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
27/07/2023	Vantage Point Survey	VP2	3:00 starting at 15:15	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
31/07/2023	Vantage Point Survey	VP3	3:00 starting at 10:30	Visibility: moderate; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		TR
31/07/2023	Vantage Point Survey	VP3	3:00 starting at 14:00	Visibility: poor; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	Heavy showers lasting through most of the latter part of survey.	TR
09/08/2023	Vantage Point Survey	VP2	3:00 starting at 10:45	Visibility: good; Wind speed and direction: fresh breeze E; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZOC
09/08/2023	Vantage Point Survey	VP2	3:00 starting at 14:15	Visibility: good; Wind speed and direction: fresh breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		ZOC
10/08/2023	Vantage Point Survey	VP3	3:00 starting at 09:15	Visibility: good; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZOC
10/08/2023	Vantage Point Survey	VP3	3:00 starting at 12:45	Visibility: good; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZOC
23/08/2023	Vantage Point Survey	VP4	3:00 starting at 10:15	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		ZOC
23/08/2023	Vantage Point Survey	VP4	3:00 starting at 13:45	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		ZOC
24/08/2023	Vantage Point Survey	VP1	3:00 starting at 09:45	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
24/08/2023	Vantage Point Survey	VP1	3:00 starting at 13:15	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
06/09/2023	Vantage Point Survey	VP1	3:00 starting at 05:55	Visibility: moderate; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Low cloud over Slievecallan obscuring part of viewshed	TR



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
06/09/2023	Vantage Point Survey	VP1	3:00 starting at 09:25	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
07/09/2023	Vantage Point Survey	VP3	3:00 starting at 06:00	Visibility: good; Wind speed and direction: strong breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: ; Snow:		CG
07/09/2023	Vantage Point Survey	VP3	3:00 starting at 09:30	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: ; Snow:		CG
08/09/2023	Vantage Point Survey	VP2	3:00 starting at 06:00	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: ; Snow:		CG
08/09/2023	Vantage Point Survey	VP2	3:00 starting at 09:30	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: ; Snow:		CG
30/09/2023	Vantage Point Survey	VP4	3:00 starting at 06:40	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: ; Snow:		CG
30/09/2023	Vantage Point Survey	VP4	3:00 starting at 10:10	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: ; Snow:		CG
03/10/2023	Vantage Point Survey	VP3	3:00 starting at 13:40	Visibility: good; Wind speed and direction: strong breeze WNW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
03/10/2023	Vantage Point Survey	VP3	3:00 starting at 17:10	Visibility: good; Wind speed and direction: strong breeze WNW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
09/10/2023	Vantage Point Survey	VP1	3:00 starting at 13:25	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
09/10/2023	Vantage Point Survey	VP1	3:00 starting at 16:55	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
10/10/2023	Vantage Point Survey	VP4	3:00 starting at 13:25	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none		TR
10/10/2023	Vantage Point Survey	VP4	3:00 starting at 16:55	Visibility: poor; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		TR
24/10/2023	Vantage Point Survey	VP2	3:00 starting at 13:25	Visibility: poor; Wind speed and direction: strong breeze W; Cloud cover and height: 66-101% <150m; Rain: drizzle; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
24/10/2023	Vantage Point Survey	VP2	3:00 starting at 13:25	Visibility: poor; Wind speed and direction: strong breeze W; Cloud cover and height: 66-102% <150m; Rain: drizzle; Frost: none; Snow: none		TR
07/11/2023	Vantage Point Survey	VP1	3:00 starting at 06:45	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
07/11/2023	Vantage Point Survey	VP1	3:00 starting at 10:15	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
21/11/2023	Vantage Point Survey	VP3	3:00 starting at 07:10	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 33-66% <150m; Rain: none; Frost: none; Snow: none		JG
21/11/2023	Vantage Point Survey	VP3	3:00 starting at 10:40	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% <150m; Rain: none; Frost: none; Snow: none		JG
22/11/2023	Vantage Point Survey	VP4	3:00 starting at 07:10	Visibility: poor; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		JG
22/11/2023	Vantage Point Survey	VP4	3:00 starting at 10:40	Visibility: poor; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		JG
28/11/2023	Vantage Point Survey	VP2	3:00 starting at 07:10	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 0-33% <150m; Rain: none; Frost: light; Snow: none		JG
28/11/2023	Vantage Point Survey	VP2	3:00 starting at 10:40	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 33-66% <150m; Rain: none; Frost: none; Snow: none		JG
07/12/2023	Vantage Point Survey	VP4	3:00 starting at 10:55	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
07/12/2023	Vantage Point Survey	VP4	3:00 starting at 14:25	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
12/12/2023	Vantage Point Survey	VP1	3:00 starting at 10:55	Visibility: poor; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	Visibility fluctuated due to changing weather	TR
12/12/2023	Vantage Point Survey	VP1	3:00 starting at 14:25	Visibility: poor; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	Variable as above, Slievacallan in cloud throughout	TR



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
14/12/2023	Vantage Point Survey	VP2	3:00 starting at 10:50	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
14/12/2023	Vantage Point Survey	VP2	3:00 starting at 10:50	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
19/12/2023	Vantage Point Survey	VP3	3:00 starting at 10:30	Visibility: poor; Wind speed and direction: fresh breeze NW; Cloud cover and height: 33-66% <150m; Rain: light showers; Frost: none; Snow: none		JG
19/12/2023	Vantage Point Survey	VP3	3:00 starting at 14:00	Visibility: poor; Wind speed and direction: fresh breeze NW; Cloud cover and height: 33-66% <150m; Rain: light showers; Frost: none; Snow: none		JG
12/01/2024	Vantage Point Survey	VP4	3:00 starting at 07:45	Visibility: good; Wind speed and direction: light breeze ENE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
12/01/2024	Vantage Point Survey	VP4	3:00 starting at 11:15	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
15/01/2024	Vantage Point Survey	VP1	3:00 starting at 07:45	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		TR
15/01/2024	Vantage Point Survey	VP1	3:00 starting at 07:45	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
24/01/2024	Vantage Point Survey	VP2	3:00 starting at 07:30	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JG
24/01/2024	Vantage Point Survey	VP2	3:00 starting at 11:00	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JG
26/01/2024	Vantage Point Survey	VP3	3:00 starting at 07:30	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JG
26/01/2024	Vantage Point Survey	VP3	3:00 starting at 11:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JG
01/02/2024	Vantage Point Survey	VP1	3:00 starting at 11:50	Visibility: good; Wind speed and direction: fresh breeze SSW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
01/02/2024	Vantage Point Survey	VP1	3:00 starting at 15:20	Visibility: good; Wind speed and direction: fresh breeze SSW; Cloud cover and height: 66-101% 150-500m; Rain: none; Frost: none; Snow: none		TR
20/02/2024	Vantage Point Survey	VP2	3:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: drizzle; Frost: none; Snow: none		JG
20/02/2024	Vantage Point Survey	VP2	3:00 starting at 15:30	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: drizzle; Frost: none; Snow: none		JG
26/02/2024	Vantage Point Survey	VP3	3:00 starting at 10:35	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		TR
26/02/2024	Vantage Point Survey	VP3	3:00 starting at 16:05	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 33-67% 150-500m; Rain: none; Frost: none; Snow: none		TR
28/02/2024	Vantage Point Survey	VP4	3:00 starting at 12:30	Visibility: poor; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none		JG
28/02/2024	Vantage Point Survey	VP4	3:00 starting at 16:00	Visibility: poor; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none		JG
07/03/2024	Vantage Point Survey	VP1	3:00 starting at 06:10	Visibility: moderate; Wind speed and direction: strong breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	rain became more frequent visibility deteriorated	TR
07/03/2024	Vantage Point Survey	VP1	3:00 starting at 09:40	Visibility: good; Wind speed and direction: strong breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
11/03/2024	Vantage Point Survey	VP3	3:00 starting at 06:10	Visibility: limited; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		JG
11/03/2024	Vantage Point Survey	VP3	3:00 starting at 09:40	Visibility: limited; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		JG
12/03/2024	Vantage Point Survey	VP4	3:00 starting at 06:10	Visibility: moderate; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		JG



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
12/03/2024	Vantage Point Survey	VP4	3:00 starting at 09:40	Visibility: poor; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		JG
27/03/2024	Vantage Point Survey	VP2	3:00 starting at 05:55	Visibility: moderate; Wind speed and direction: moderate breeze SSE; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none	cold (2-3c) at start, light rain to 0630 then mostly dry	AM
27/03/2024	Vantage Point Survey	VP2	3:00 starting at 09:25	Visibility: good; Wind speed and direction: fresh breeze SSE; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: falling	dry then sleet/snow showers 1200-1230	AM
03/04/2024	Vantage Point Survey	VP3	3:00 starting at 14:40	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		ZOC
03/04/2024	Vantage Point Survey	VP3	3:00 starting at 18:10	Visibility: good; Wind speed and direction: moderate breeze N; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none	persistent light rain throughout	ZOC
11/04/2024	Vantage Point Survey	VP4	6:30 starting at 15:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
18/04/2024	Vantage Point Survey	VP1	6:30 starting at 15:15	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
19/04/2024	Vantage Point Survey	VP2	6:30 starting at 15:15	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
03/05/2024	Vantage Point Survey	VP4	3:00 starting at 05:00	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
03/05/2024	Vantage Point Survey	VP4	3:00 starting at 08:30	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		TR
14/05/2024	Vantage Point Survey	VP4	3:00 starting at 04:30	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		JG
14/05/2024	Vantage Point Survey	VP4	3:00 starting at 08:00	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		JG

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
23/05/2024	Vantage Point Survey	VP3	3:00 starting at 04:30	Visibility: good; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		CG
23/05/2024	Vantage Point Survey	VP3	3:00 starting at 08:00	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		CG
29/05/2024	Vantage Point Survey	VP1	3:00 starting at 04:19	Visibility: poor; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		EP
29/05/2024	Vantage Point Survey	VP1	3:00 starting at 07:49	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		EP
04/06/2024	Vantage Point Survey	VP2	3:00 starting at 10:45	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	dry after rain showers	AM
04/06/2024	Vantage Point Survey	VP2	3:00 starting at 14:15	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
16/06/2024	Vantage Point Survey	VP4	3:00 starting at 12:35	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Sunny, dry, cool breeze	AM
16/06/2024	Vantage Point Survey	VP4	3:00 starting at 16:05	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	Warm 19c in sun	AM
23/06/2024	Vantage Point Survey	VP3	3:00 starting at 09:50	Visibility: good; Wind speed and direction: gentle breeze WSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	Mild 14c, cloudy, light breeze	AM
23/06/2024	Vantage Point Survey	VP3	3:00 starting at 13:20	Visibility: good; Wind speed and direction: moderate breeze WSW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
26/06/2024	Vantage Point Survey	VP1	3:00 starting at 14:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
26/06/2024	Vantage Point Survey	VP1	3:00 starting at 18:00	Visibility: moderate; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		EP
08/07/2024	Vantage Point Survey	VP1	3:00 starting at 09:30	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
08/07/2024	Vantage Point Survey	VP1	3:00 starting at 13:00	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
09/07/2024	Vantage Point Survey	VP4	3:00 starting at 12:00	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		EP
09/07/2024	Vantage Point Survey	VP4	3:00 starting at 15:30	Visibility: good; Wind speed and direction: fresh breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		EP
19/07/2024	Vantage Point Survey	VP3	3:00 starting at 11:20	Visibility: good; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		EP
19/07/2024	Vantage Point Survey	VP3	3:00 starting at 14:50	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		EP
30/07/2024	Vantage Point Survey	VP2	3:00 starting at 09:00	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		ZOC
30/07/2024	Vantage Point Survey	VP2	3:00 starting at 12:30	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		ZOC
14/08/2024	Vantage Point Survey	VP2	3:00 starting at 09:30	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JG
14/08/2024	Vantage Point Survey	VP2	3:00 starting at 13:00	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JG
21/08/2024	Vantage Point Survey	VP1	3:00 starting at 11:30	Visibility: poor; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		JG
21/08/2024	Vantage Point Survey	VP1	3:00 starting at 15:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% <150m; Rain: none; Frost: none; Snow: none		JG
22/08/2024	Vantage Point Survey	VP4	3:00 starting at 09:20	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		EP

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
22/08/2024	Vantage Point Survey	VP4	3:00 starting at 12:50	Visibility: moderate; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		EP
27/08/2024	Vantage Point Survey	VP3	3:00 starting at 13:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		EP
27/08/2024	Vantage Point Survey	VP3	3:00 starting at 17:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		EP
18/09/2024	Vantage Point Survey	VP3	3:00 starting at 06:20	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZOC
18/09/2024	Vantage Point Survey	VP3	3:00 starting at 09:50	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZOC
19/09/2024	Vantage Point Survey	VP2	3:00 starting at 06:15	Visibility: limited; Wind speed and direction: light air SE; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		JG
19/09/2024	Vantage Point Survey	VP1	3:00 starting at 06:17	Visibility: moderate; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Low cloud and fog obscuring Slieveacurry to the east	TR
19/09/2024	Vantage Point Survey	VP2	3:00 starting at 09:45	Visibility: moderate; Wind speed and direction: light breeze SE; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		JG
19/09/2024	Vantage Point Survey	VP1	3:00 starting at 09:47	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
24/09/2024	Vantage Point Survey	VP4	3:00 starting at 06:20	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JG
24/09/2024	Vantage Point Survey	VP4	3:00 starting at 09:50	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JG
09/10/2024	Vantage Point Survey	VP4	3:00 starting at 13:24	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
09/10/2024	Vantage Point Survey	VP4	3:00 starting at 16:54	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		EP
10/10/2024	Vantage Point Survey	VP3	3:00 starting at 13:20	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 33-66% >500m; Rain: drizzle; Frost: none; Snow: none		EP

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
10/10/2024	Vantage Point Survey	VP3	3:00 starting at 16:50	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
17/10/2024	Vantage Point Survey	VP1	3:00 starting at 13:10	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		ZOC
17/10/2024	Vantage Point Survey	VP1	3:00 starting at 16:40	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none		ZOC
22/10/2024	Vantage Point Survey	VP2	3:00 starting at 12:55	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		ZOC
22/10/2024	Vantage Point Survey	VP2	3:00 starting at 16:25	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		ZOC
06/11/2024	Vantage Point Survey	VP2	3:00 starting at 06:45	Visibility: good; Wind speed and direction: moderate breeze SSE; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		ZE
06/11/2024	Vantage Point Survey	VP2	1:00 starting at 10:15	Visibility: good; Wind speed and direction: moderate breeze SSE; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		ZE
06/11/2024	Vantage Point Survey	VP2	2:00 starting at 11:15	Visibility: good; Wind speed and direction: moderate breeze SSE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZE
07/11/2024	Vantage Point Survey	VP4	3:00 starting at 06:45	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZE
07/11/2024	Vantage Point Survey	VP4	1:00 starting at 10:15	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		ZE
07/11/2024	Vantage Point Survey	VP4	2:00 starting at 11:15	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZE
20/11/2024	Vantage Point Survey	VP1	3:00 starting at 10:55	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
20/11/2024	Vantage Point Survey	VP1	3:00 starting at 14:25	Visibility: good; Wind speed and direction: light air SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
22/11/2024	Vantage Point Survey	VP1	1:00 starting at 08:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: on ground	survey commenced later due to health and safety reasons	ZE
22/11/2024	Vantage Point Survey	VP1	2:00 starting at 09:00	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	10 minutes light shower	ZE
22/11/2024	Vantage Point Survey	VP1	3:00 starting at 11:30	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZE
25/11/2024	Vantage Point Survey	VP3	3:00 starting at 10:49	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		EP
25/11/2024	Vantage Point Survey	VP3	3:00 starting at 14:19	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		EP
26/11/2024	Vantage Point Survey	VP3	3:00 starting at 07:23	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		EP
26/11/2024	Vantage Point Survey	VP3	3:00 starting at 10:53	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		EP
27/11/2024	Vantage Point Survey	VP2	3:00 starting at 10:45	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZE
27/11/2024	Vantage Point Survey	VP2	3:00 starting at 14:15	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZE
28/11/2024	Vantage Point Survey	VP4	1:30 starting at 10:50	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		ZE
28/11/2024	Vantage Point Survey	VP4	1:30 starting at 12:20	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZE
28/11/2024	Vantage Point Survey	VP4	1:00 starting at 14:20	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZE
28/11/2024	Vantage Point Survey	VP4	1:00 starting at 15:20	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		ZE
28/11/2024	Vantage Point Survey	VP4	1:00 starting at 16:20	Visibility: moderate; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		ZE



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
14/01/2025	Vantage Point Survey	VP4	3:00 starting at 07:50	Visibility: poor; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	Misty, low cloud	AM
14/01/2025	Vantage Point Survey	VP4	3:00 starting at 11:20	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Mild	AM
17/01/2025	Vantage Point Survey	VP1	3:00 starting at 07:38	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
17/01/2025	Vantage Point Survey	VP1	3:00 starting at 11:08	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
22/01/2025	Vantage Point Survey	VP2	3:00 starting at 07:45	Visibility: good; Wind speed and direction: gentle breeze WSW; Cloud cover and height: 33-66% >500m; Rain: drizzle; Frost: light; Snow: none	cold (-1c) early am, sunny dry	AM
22/01/2025	Vantage Point Survey	VP2	3:00 starting at 11:15	Visibility: good; Wind speed and direction: gentle breeze WSW; Cloud cover and height: 33-66% 150-500m; Rain: light showers; Frost: none; Snow: none	Calm. Sunny, dry, cloud down- misty, sun from?	AM
29/01/2025	Vantage Point Survey	VP3	3:00 starting at 07:50	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	Cold 1 -3c in am	AM
29/01/2025	Vantage Point Survey	VP3	3:00 starting at 11:20	Visibility: good; Wind speed and direction: fresh breeze N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Dry, sunny	AM
10/02/2025	Vantage Point Survey	VP4	3:00 starting at 12:00	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		ZOC
10/02/2025	Vantage Point Survey	VP4	3:00 starting at 12:00	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		ZOC
24/02/2025	Vantage Point Survey	VP2	3:00 starting at 12:34	Visibility: moderate; Wind speed and direction: strong breeze SW; Cloud cover and height: 33-66% >500m; Rain: heavy showers; Frost: none; Snow: none		EP
24/02/2025	Vantage Point Survey	VP2	3:00 starting at 16:04	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		EP
25/02/2025	Vantage Point Survey	VP1	3:00 starting at 12:40	Visibility: good; Wind speed and direction: fresh breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		ZOC



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
25/02/2025	Vantage Point Survey	VP1	3:00 starting at 16:10	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		ZOC
27/02/2025	Vantage Point Survey	VP3	3:00 starting at 12:45	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
27/02/2025	Vantage Point Survey	VP3	3:00 starting at 16:15	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
04/03/2025	Vantage Point Survey	VP1	3:00 starting at 06:10	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
04/03/2025	Vantage Point Survey	VP1	3:00 starting at 09:40	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
07/03/2025	Vantage Point Survey	VP2	3:00 starting at 06:45	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	mild (6-9c), low cloud in am, cloud lifted, sunny spells, showers	AM
07/03/2025	Vantage Point Survey	VP2	3:00 starting at 10:15	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AM
14/03/2025	Vantage Point Survey	VP3	3:00 starting at 06:10	Visibility: good; Wind speed and direction: light breeze ENE; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	cool (4-8c), breezy, cloudy	AM
14/03/2025	Vantage Point Survey	VP3	3:00 starting at 09:40	Visibility: good; Wind speed and direction: fresh breeze ENE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	sunny spells from 1100	AM
26/03/2025	Vantage Point Survey	VP4	3:00 starting at 05:50	Visibility: good; Wind speed and direction: light breeze SSE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	cool (4-6c) in am, dry	AM
26/03/2025	Vantage Point Survey	VP4	3:00 starting at 09:20	Visibility: good; Wind speed and direction: moderate breeze SSE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
02/04/2025	Vantage Point Survey	VP2	3:00 starting at 14:20	Visibility: good; Wind speed and direction: moderate breeze ESE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	breezy, warm in sun (14c), dry	AM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
02/04/2025	Vantage Point Survey	VP2	3:00 starting at 17:50	Visibility: good; Wind speed and direction: moderate breeze ESE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
08/04/2025	Vantage Point Survey	VP3	3:00 starting at 14:20	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	sunny, warm (16-17c), dry	AM
08/04/2025	Vantage Point Survey	VP3	3:00 starting at 17:50	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	cool by late pm	AM
22/04/2025	Vantage Point Survey	VP4	3:00 starting at 15:00	Visibility: good; Wind speed and direction: strong breeze WNW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none	cool (10c), windy, showery	AM
22/04/2025	Vantage Point Survey	VP4	3:00 starting at 18:30	Visibility: good; Wind speed and direction: fresh breeze WNW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	dry in evening	AM
23/04/2025	Vantage Point Survey	VP1	3:00 starting at 15:20	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		OC
23/04/2025	Vantage Point Survey	VP1	3:00 starting at 18:50	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		OC
02/05/2025	Vantage Point Survey	VP2	3:00 starting at 05:15	Visibility: moderate; Wind speed and direction: light breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	cool, misty, dry	AM
02/05/2025	Vantage Point Survey	VP2	3:00 starting at 08:45	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 33-66% <150m; Rain: none; Frost: none; Snow: none	warm, breezy, dry	AM
14/05/2025	Vantage Point Survey	VP1	3:00 starting at 04:40	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		OC
14/05/2025	Vantage Point Survey	VP1	3:00 starting at 08:10	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		OC
23/05/2025	Vantage Point Survey	VP3	3:00 starting at 04:50	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	cool, dry, cloudy	AM
23/05/2025	Vantage Point Survey	VP3	3:00 starting at 08:20	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
28/05/2025	Vantage Point Survey	VP4	3:00 starting at 04:20	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	mild (9c), showery in early am then dry	AM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
28/05/2025	Vantage Point Survey	VP4	3:00 starting at 07:50	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
02/06/2025	Vantage Point Survey	VP2	3:00 starting at 07:55	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	cool (10-12c), dry	AM
02/06/2025	Vantage Point Survey	VP2	3:00 starting at 11:25	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	windy, dr (14-16c)	AM
11/06/2025	Vantage Point Survey	VP4	3:00 starting at 11:35	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	mild (16-17c) dry	AM
11/06/2025	Vantage Point Survey	VP4	3:00 starting at 15:05	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	dry, mod winds	AM
22/06/2025	Vantage Point Survey	VP1	3:00 starting at 12:30	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: light showers; Frost: none; Snow: none	helicopter passes at eye level at 13:04. Racing pigeons passing through.	SD
29/06/2025	Vantage Point Survey	VP1	3:00 starting at 18:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	calm, warm evening. Racing pigeons passing through.	SD
30/06/2025	Vantage Point Survey	VP3	3:00 starting at 08:40	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	warm (18-20c), breezy	AM
30/06/2025	Vantage Point Survey	VP3	3:00 starting at 12:10	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none	light showers in pm	AM
10/07/2025	Vantage Point Survey	VP1	3:00 starting at 06:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		OC
10/07/2025	Vantage Point Survey	VP1	3:00 starting at 09:30	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		OC
16/07/2025	Vantage Point Survey	VP2	3:00 starting at 09:45	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		ZOC



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
16/07/2025	Vantage Point Survey	VP2	3:00 starting at 13:15	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		ZOC
17/07/2025	Vantage Point Survey	VP4	3:00 starting at 10:20	Visibility: good; Wind speed and direction: moderate breeze N; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZOC
17/07/2025	Vantage Point Survey	VP4	3:00 starting at 13:50	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		ZOC
29/07/2025	Vantage Point Survey	VP3	3:00 starting at 10:30	Visibility: moderate; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none	heavy mist impacted visibility	OC
29/07/2025	Vantage Point Survey	VP3	3:00 starting at 14:00	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		OC
14/08/2025	Vantage Point Survey	VP4	3:00 starting at 09:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		OC
14/08/2025	Vantage Point Survey	VP4	3:00 starting at 13:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		OC
26/08/2025	Vantage Point Survey	VP2	3:00 starting at 09:35	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	heavy showers, mild (16c), gusty	AM
26/08/2025	Vantage Point Survey	VP2	3:00 starting at 13:05	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% <150m; Rain: light showers; Frost: none; Snow: none	sunny spells from 14:30	AM
27/08/2025	Vantage Point Survey	VP1	3:00 starting at 08:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		OC
27/08/2025	Vantage Point Survey	VP1	3:00 starting at 08:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		OC
28/08/2025	Vantage Point Survey	VP3	3:00 starting at 12:50	Visibility: good; Wind speed and direction: strong breeze WSW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	windy, showers, cool (14-16c)	AM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
28/08/2025	Vantage Point Survey	VP3	3:00 starting at 16:20	Visibility: good; Wind speed and direction: strong breeze WSW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		AM
08/09/2025	Vantage Point Survey	VP3	3:00 starting at 06:00	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		OC
08/09/2025	Vantage Point Survey	VP3	3:00 starting at 09:30	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		OC
09/09/2025	Vantage Point Survey	VP2	3:00 starting at 06:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: light showers; Frost: none; Snow: none		OC
09/09/2025	Vantage Point Survey	VP2	3:00 starting at 09:30	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: drizzle; Frost: none; Snow: none		OC
04/09/2025	Vantage Point Survey	VP4	3:00 starting at 05:50	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		ZOC
04/09/2025	Vantage Point Survey	VP4	3:00 starting at 09:20	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		ZOC
30/09/2025	Vantage Point Survey	VP1	3:00 starting at 06:30	Visibility: moderate; Wind speed and direction: fresh breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		ZOC
30/09/2025	Vantage Point Survey	VP1	3:00 starting at 10:00	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		ZOC

Table 7 - 1 - 2 Winter walkover survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
21/11/2020	Winter Walkover Survey	T1	1:05 starting at 10:15	Visibility: good; Wind speed and direction: fresh breeze WSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
21/11/2020	Winter Walkover Survey	T2	0:50 starting at 11:25	Visibility: good; Wind speed and direction: fresh breeze WSW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TK
21/11/2020	Winter Walkover Survey	T3	0:55 starting at 12:20	Visibility: good; Wind speed and direction: fresh breeze WSW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TK
21/11/2020	Winter Walkover Survey	T4	1:05 starting at 13:45	Visibility: good; Wind speed and direction: fresh breeze WSW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TK
21/11/2020	Winter Walkover Survey	T5	0:25 starting at 14:55	Visibility: good; Wind speed and direction: fresh breeze WSW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TK
21/11/2020	Winter Walkover Survey	T6	0:30 starting at 15:55	Visibility: good; Wind speed and direction: fresh breeze WSW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TK
27/11/2020	Winter Walkover Survey	T7	0:35 starting at 08:40	Visibility: good; Wind speed and direction: light air SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
27/11/2020	Winter Walkover Survey	T8	0:35 starting at 09:20	Visibility: good; Wind speed and direction: light air SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
27/11/2020	Winter Walkover Survey	T9	1:40 starting at 10:10	Visibility: good; Wind speed and direction: light air SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
27/11/2020	Winter Walkover Survey	T10	0:35 starting at 12:20	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
27/11/2020	Winter Walkover Survey	T11	0:35 starting at 13:45	Visibility: good; Wind speed and direction: light breeze ESE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
28/01/2021	Winter Walkover Survey	T1	0:45 starting at 09:15	Visibility: moderate; Wind speed and direction: strong breeze SSE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TK
28/01/2021	Winter Walkover Survey	T2	0:50 starting at 10:05	Visibility: moderate; Wind speed and direction: strong breeze SSE; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		TK



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
28/01/2021	Winter Walkover Survey	T3	0:35 starting at 11:00	Visibility: moderate; Wind speed and direction: strong breeze SSE; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		TK
28/01/2021	Winter Walkover Survey	T4	1:05 starting at 12:00	Visibility: moderate; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TK
28/01/2021	Winter Walkover Survey	T5	0:30 starting at 13:10	Visibility: moderate; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TK
28/01/2021	Winter Walkover Survey	T6	0:35 starting at 14:10	Visibility: moderate; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		TK
29/01/2021	Winter Walkover Survey	T11	0:25 starting at 09:35	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
29/01/2021	Winter Walkover Survey	T10	0:35 starting at 10:10	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
29/01/2021	Winter Walkover Survey	T9	1:00 starting at 10:55	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
29/01/2021	Winter Walkover Survey	T8	0:25 starting at 12:00	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
29/01/2021	Winter Walkover Survey	T7	0:35 starting at 13:10	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
03/02/2021	Winter Walkover Survey	T11	0:35 starting at 10:05	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
03/02/2021	Winter Walkover Survey	T10	0:32 starting at 10:48	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
03/02/2021	Winter Walkover Survey	T9	0:45 starting at 11:35	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TK

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
03/02/2021	Winter Walkover Survey	T8	0:35 starting at 12:50	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TK
03/02/2021	Winter Walkover Survey	T7	0:45 starting at 13:35	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TK
04/02/2021	Winter Walkover Survey	T1	0:45 starting at 09:15	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TK
04/02/2021	Winter Walkover Survey	T2	0:45 starting at 10:15	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TK
04/02/2021	Winter Walkover Survey	T3	0:45 starting at 11:10	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TK
04/02/2021	Winter Walkover Survey	T4	1:05 starting at 12:30	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TK
04/02/2021	Winter Walkover Survey	T5	0:20 starting at 13:40	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TK
04/02/2021	Winter Walkover Survey	T6	0:25 starting at 14:30	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TK
15/03/2021	Winter Walkover Survey	T11 - 7	1:00 starting at 10:20	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TK
15/03/2021	Winter Walkover Survey	T11 - 7	1:00 starting at 11:20	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TK
15/03/2021	Winter Walkover Survey	T11 - 7	1:00 starting at 12:20	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TK
15/03/2021	Winter Walkover Survey	T11 - 7	0:50 starting at 13:20	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TK
16/03/2021	Winter Walkover Survey	T1-6	1:00 starting at 11:05	Visibility: good; Wind speed and direction: gentle breeze NNW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
16/03/2021	Winter Walkover Survey	T1-6	1:00 starting at 12:05	Visibility: good; Wind speed and direction: gentle breeze NNW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
16/03/2021	Winter Walkover Survey	T1-6	1:00 starting at 13:05	Visibility: good; Wind speed and direction: gentle breeze NNW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
16/03/2021	Winter Walkover Survey	T1-6	1:00 starting at 14:05	Visibility: good; Wind speed and direction: gentle breeze NNW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
09/11/2021	Winter Walkover Survey	T6-T9	3:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR
10/11/2021	Winter Walkover Survey	T1-T5	3:00 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
25/11/2021	Winter Walkover Survey	T10-T13	3:15 starting at 11:00	Visibility: good; Wind speed and direction: fresh breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
26/11/2021	Winter Walkover Survey	T14-T16	3:00 starting at 11:00	Visibility: good; Wind speed and direction: gale N; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
19/01/2022	Winter Walkover Survey	T6-T9	3:00 starting at 11:30	Visibility: moderate; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
20/01/2022	Winter Walkover Survey	T1-T5	3:00 starting at 11:30	Visibility: moderate; Wind speed and direction: calm S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
25/01/2022	Winter Walkover Survey	T10-T13	4:00 starting at 11:00	Visibility: good; Wind speed and direction: calm S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
26/01/2022	Winter Walkover Survey	T14-T16	4:00 starting at 11:00	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
10/02/2022	Winter Walkover Survey	T2-T5	3:30 starting at 12:00	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	Access to T1 no longer permitted	TR
11/02/2022	Winter Walkover Survey	T6-T9	3:30 starting at 12:00	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
21/02/2022	Winter Walkover Survey	T10-T13	3:00 starting at 13:00	Visibility: moderate; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
22/03/2022	Winter Walkover Survey	T1-T9	6:00 starting at 10:00	Visibility: good; Wind speed and direction: strong breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
23/03/2022	Winter Walkover Survey	T10-T13	3:00 starting at 13:30	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
24/03/2022	Winter Walkover Survey	T14-T16	3:00 starting at 13:30	Visibility: moderate; Wind speed and direction: light breeze E; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
15/11/2022	Winter Walkover Survey	T10, T14 - T16	3:30 starting at 11:00	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
16/11/2022	Winter Walkover Survey	T5-T8	3:00 starting at 11:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
17/11/2022	Winter Walkover Survey	T1-T4	3:15 starting at 11:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
18/11/2022	Winter Walkover Survey	T9, T11-T13	3:00 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
27/11/2022	Winter Walkover Survey	T10, T14-T16	3:05 starting at 11:30	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		TR
28/11/2022	Winter Walkover Survey	T11-T13	2:50 starting at 11:30	Visibility: moderate; Wind speed and direction: light air NW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		TR
16/01/2023	Winter Walkover Survey	T5-T8	3:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR
18/01/2023	Winter Walkover Survey	T10, T14-T16	3:00 starting at 12:00	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
20/01/2023	Winter Walkover Survey	T9, T11-T13	3:00 starting at 12:00	Visibility: poor; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR
27/01/2023	Winter Walkover Survey	T2-T4	2:30 starting at 15:30	Visibility: poor; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
13/02/2023	Winter Walkover Survey	T5-T8	3:30 starting at 12:00	Visibility: good; Wind speed and direction: near gale SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
14/02/2023	Winter Walkover Survey	T9, T11-T13	3:00 starting at 12:45	Visibility: good; Wind speed and direction: near gale S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
17/02/2023	Winter Walkover Survey	T10, T14-T16	3:00 starting at 12:40	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR
23/02/2023	Winter Walkover Survey	T2-T4	3:00 starting at 13:00	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
27/03/2023	Winter Walkover Survey	T1, T5-T9	3:00 starting at 15:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
28/03/2023	Winter Walkover Survey	T10, T14 - T16	3:00 starting at 15:00	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
29/03/2023	Winter Walkover Survey	T11-T13	3:00 starting at 15:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
31/03/2023	Winter Walkover Survey	T2-T4	3:00 starting at 15:30	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
13/10/2023	Winter Walkover Survey	T1 - T9	3:00 starting at 11:00	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		JG
13/10/2023	Winter Walkover Survey	T1 - T9	3:00 starting at 14:00	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		JG
16/10/2023	Winter Walkover Survey	T10, T14-T16	3:00 starting at 14:00	Visibility: good; Wind speed and direction: strong breeze E; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR
18/10/2023	Winter Walkover Survey	T11-T13	3:00 starting at 14:00	Visibility: limited; Wind speed and direction: strong breeze E; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
14/11/2023	Winter Walkover Survey	T1-T4	3:00 starting at 12:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		JG

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
15/11/2023	Winter Walkover Survey	T5-T9	3:00 starting at 11:30	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		JG
16/11/2023	Winter Walkover Survey	T10, T14-T16	3:00 starting at 11:45	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
17/11/2023	Winter Walkover Survey	T11-T13	3:00 starting at 11:45	Visibility: moderate; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
11/01/2024	Winter Walkover Survey	T9-T15	5:45 starting at 09:00	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: light; Snow: none		TR
18/01/2024	Winter Walkover Survey	T4-T7	3:00 starting at 12:00	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: heavy; Snow: on ground		JG
30/01/2024	Winter Walkover Survey	T1, T8, T9	3:00 starting at 12:30	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		JG
13/02/2024	Winter Walkover Survey	T1, T2, T5, T6, T7,	3:00 starting at 10:30	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		JG
15/02/2024	Winter Walkover Survey	T3, T4, T8, T9	3:00 starting at 12:30	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: drizzle; Frost: none; Snow: none		JG
20/02/2024	Winter Walkover Survey	T10, T14-T16	3:00 starting at 12:45	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR
21/02/2024	Winter Walkover Survey	T11-T13	3:00 starting at 12:45	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
20/03/2024	Winter Walkover Survey	T10, T14-T16	3:00 starting at 14:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
21/03/2024	Winter Walkover Survey	T11-T13	3:00 starting at 15:00	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
23/03/2024	Winter Walkover Survey	T1-T9	5:45 starting at 09:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
29/10/2024	Winter Walkover Survey	T1, T2, T5-T9	3:00 starting at 12:40	Visibility: poor; Wind speed and direction: calm SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZOC
30/10/2024	Winter Walkover Survey	T2-T4	3:00 starting at 12:40	Visibility: poor; Wind speed and direction: light breeze E; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		ZOC
31/10/2024	Winter Walkover Survey	T10-T16	5:45 starting at 09:30	Visibility: moderate; Wind speed and direction: light breeze E; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		ZOC
14/11/2024	Winter Walkover Survey	T1-7	6:00 starting at 08:30	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		EP
27/11/2024	Winter Walkover Survey	T10, T14-T16	3:05 starting at 11:30	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		TR
28/11/2024	Winter Walkover Survey	T11-T13	2:50 starting at 11:30	Visibility: moderate; Wind speed and direction: light air NW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		TR
10/12/2024	Winter Walkover Survey	T10-T16	5:45 starting at 08:30	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: light; Snow: none		ZOC
16/12/2024	Winter Walkover Survey	T7/T6	2:10 starting at 08:55	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	mild (8c), breezy	AM
16/12/2024	Winter Walkover Survey	T4/T3/T2	2:50 starting at 11:25	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
16/12/2024	Winter Walkover Survey	T8/T9	2:05 starting at 14:40	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
10/03/2025	Winter Walkover Survey	T7	1:20 starting at 09:05	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	dry, cloudy, mild (8c)	AM
10/03/2025	Winter Walkover Survey	T6	1:50 starting at 10:25	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	sunny from 11:00	AM
10/03/2025	Winter Walkover Survey	T8/9	1:40 starting at 12:50	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
10/03/2025	Winter Walkover Survey	T4/T3/T2	2:50 starting at 15:20	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
19/03/2025	Winter Walkover Survey	T10-T16	5:25 starting at 12:15	Visibility: good; Wind speed and direction: fresh breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR

Table 7 - 1 - 3 Breeding walkover survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
08/04/2021	Breeding Walkover Survey	T1, T5, T6, T7, T8, T9	2:45 starting at 11:15	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		SD
08/04/2021	Breeding Walkover Survey	T1, T5, T6, T7, T8, T9	1:15 starting at 14:00	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		SD
08/04/2021	Breeding Walkover Survey	T1, T5, T6, T7, T8, T9	1:45 starting at 15:15	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		SD
08/04/2021	Breeding Walkover Survey	T1, T5, T6, T7, T8, T9	0:45 starting at 17:00	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 33-66% 150-500m; Rain: heavy showers; Frost: none; Snow: none		SD
09/04/2021	Breeding Walkover Survey	T2, T3, T4	1:30 starting at 11:30	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		SD
09/04/2021	Breeding Walkover Survey	T2, T3, T4	4:15 starting at 13:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		SD
13/04/2021	Breeding Walkover Survey	T10, T11, T12, T13, T14, T15, T16	6:00 starting at 11:30	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		SD
06/05/2021	Breeding Walkover Survey	T1	0:38 starting at 11:45	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		SOB
06/05/2021	Breeding Walkover Survey	T4	1:01 starting at 12:23	Visibility: good; Wind speed and direction: moderate breeze N; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		SOB
06/05/2021	Breeding Walkover Survey	T3	1:31 starting at 13:24	Visibility: good; Wind speed and direction: moderate breeze N; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		SOB
06/05/2021	Breeding Walkover Survey	T2	0:35 starting at 14:55	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		SOB
06/05/2021	Breeding Walkover Survey	T5	0:40 starting at 15:30	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		SOB

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
18/06/2021	Breeding Walkover Survey	T7	1:29 starting at 14:25	Visibility: good; Wind speed and direction: moderate breeze N; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		SOB
18/06/2021	Breeding Walkover Survey	T6	1:25 starting at 15:54	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		SOB
18/06/2021	Breeding Walkover Survey	T9	0:53 starting at 18:17	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		SOB
18/06/2021	Breeding Walkover Survey	T8	0:38 starting at 19:15	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		SOB
24/06/2021	Breeding Walkover Survey	T10	0:36 starting at 13:15	Visibility: limited; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	Very heavy mist	SOB
24/06/2021	Breeding Walkover Survey	T13	0:34 starting at 13:51	Visibility: limited; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	Very heavy mist	SOB
24/06/2021	Breeding Walkover Survey	T11	0:08 starting at 14:25	Visibility: limited; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	Very heavy mist briefly went into Transect 11 saw sparrowhawk	SOB
24/06/2021	Breeding Walkover Survey	T12	0:53 starting at 14:33	Visibility: poor; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none	Very heavy mist	SOB
24/06/2021	Breeding Walkover Survey	T11	0:34 starting at 15:26	Visibility: poor; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none	Very heavy mist	SOB
24/06/2021	Breeding Walkover Survey	T14	0:41 starting at 16:00	Visibility: poor; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none	Very heavy mist	SOB
24/06/2021	Breeding Walkover Survey	T16	0:24 starting at 16:51	Visibility: poor; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none	Very heavy mist	SOB
24/06/2021	Breeding Walkover Survey	T15		Visibility: poor; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none	Very heavy mist	SOB
21/07/2021	Breeding Walkover Survey	T1	0:46 starting at 13:14	Visibility: good; Wind speed and direction: light air S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SOB

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
21/07/2021	Breeding Walkover Survey	T4	1:20 starting at 14:00	Visibility: good; Wind speed and direction: light air SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SOB
21/07/2021	Breeding Walkover Survey	T3	0:40 starting at 15:30	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	took break for 20 mins	SOB
21/07/2021	Breeding Walkover Survey	T3	0:30 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		SOB
21/07/2021	Breeding Walkover Survey	T2	0:25 starting at 17:00	Visibility: good; Wind speed and direction: light air E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Did not feel I could safely cross river so had to double back on transect route.. Returned to end of transect 3 and walked Transect 1 again back to car.	SOB
21/07/2021	Breeding Walkover Survey	T5	0:30 starting at 18:40	Visibility: good; Wind speed and direction: calm E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	After returning to car, I left to get water and returned to site to finish survey.	SOB
21/07/2021	Breeding Walkover Survey	T2	0:30 starting at 19:10	Visibility: good; Wind speed and direction: calm E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SOB
21/07/2021	Breeding Walkover Survey	T5	0:40 starting at 19:40	Visibility: good; Wind speed and direction: calm E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Went to check on possible hen harrier nest sites then returned	SOB
26/04/2022	Breeding Walkover Survey	T2-T4	3:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
28/04/2022	Breeding Walkover Survey	T2-T9	6:00 starting at 05:15	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
29/04/2022	Breeding Walkover Survey	T10-T16	6:30 starting at 05:15	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
18/05/2022	Breeding Walkover Survey	T5-T7	3:00 starting at 16:00	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		TR
24/05/2022	Breeding Walkover Survey	T2-T4	3:00 starting at 16:30	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
25/05/2022	Breeding Walkover Survey	T8-T9	3:00 starting at 16:30	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
26/05/2022	Breeding Walkover Survey	T10, T14-T16	3:00 starting at 11:00	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none	Very poor visibility during first 30mins of walkover.	TR
27/05/2022	Breeding Walkover Survey	T11-T13	3:00 starting at 10:00	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
15/06/2022	Breeding Walkover Survey	T5-T7	3:00 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
17/06/2022	Breeding Walkover Survey	T1,T9 & T8	3:00 starting at 09:45	Visibility: poor; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
21/06/2022	Breeding Walkover Survey	T2-T4	3:00 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
22/06/2022	Breeding Walkover Survey	T11 & T12	2:15 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
23/06/2022	Breeding Walkover Survey	T14-T16	3:00 starting at 10:15	Visibility: poor; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none	Rain and low cloud create poor visibility	TR
24/06/2022	Breeding Walkover Survey	T10-T13	3:05 starting at 12:00	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
15/07/2022	Breeding Walkover Survey	T2-T4	5:45 starting at 09:45	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
18/07/2022	Breeding Walkover Survey	T5-T9	5:15 starting at 10:00	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
19/07/2022	Breeding Walkover Survey	T10, T14-T16	3:05 starting at 09:10	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
20/07/2022	Breeding Walkover Survey	T11-T13	3:15 starting at 09:15	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
03/04/2023	Breeding Walkover Survey	T1	1:00 starting at 08:30	Visibility: moderate; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MS
03/04/2023	Breeding Walkover Survey	T1	1:00 starting at 09:30	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MS
03/04/2023	Breeding Walkover Survey	T1	1:00 starting at 10:30	Visibility: good; Wind speed and direction: strong breeze ESE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MS
03/04/2023	Breeding Walkover Survey	T1	1:00 starting at 12:00	Visibility: good; Wind speed and direction: strong breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MS
03/04/2023	Breeding Walkover Survey	T1	1:00 starting at 13:00	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MS
03/04/2023	Breeding Walkover Survey	T1	1:00 starting at 14:00	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MS
12/04/2023	Breeding Walkover Survey	T10-T16	6:00 starting at 09:30	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
19/04/2023	Breeding Walkover Survey	T2-T4	1:00 starting at 07:30	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MS
19/04/2023	Breeding Walkover Survey	T2	1:00 starting at 08:30	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		MS
19/04/2023	Breeding Walkover Survey	T2	1:00 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		MS
19/04/2023	Breeding Walkover Survey	T2	1:00 starting at 11:00	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MS

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
19/04/2023	Breeding Walkover Survey	T2	1:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MS
19/04/2023	Breeding Walkover Survey	T2	1:00 starting at 13:00	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MS
24/05/2023	Breeding Walkover Survey	T10-T16	6:00 starting at 10:15	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
25/05/2023	Breeding Walkover Survey	T10-T16	5:15 starting at 09:00	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZE
25/05/2023	Breeding Walkover Survey	T2-T4	3:00 starting at 09:30	Visibility: good; Wind speed and direction: moderate breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
30/05/2023	Breeding Walkover Survey	T2-T4	5:00 starting at 08:40	Visibility: good; Wind speed and direction: gentle breeze ENE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZE
21/06/2023	Breeding Walkover Survey	T10-T16	6:00 starting at 14:45	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
22/06/2023	Breeding Walkover Survey	T5-T9	6:00 starting at 09:15	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
23/06/2023	Breeding Walkover Survey	T2-T4	5:30 starting at 09:30	Visibility: good; Wind speed and direction: light air S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
12/07/2023	Breeding Walkover Survey	T10-T16	6:00 starting at 10:00	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
13/07/2023	Breeding Walkover Survey	T5-T9	6:00 starting at 10:00	Visibility: moderate; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
14/07/2023	Breeding Walkover Survey	T2-T4	6:00 starting at 10:00	Visibility: moderate; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
15/04/2024	Breeding Walkover Survey	T5, T6, T7, T8, T9	3:00 starting at 11:00	Visibility: good; Wind speed and direction: strong breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		JG

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
15/04/2024	Breeding Walkover Survey	T5, T6, T7, T8, T9	3:00 starting at 14:30	Visibility: good; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		JG
16/04/2024	Breeding Walkover Survey	T1-T4	3:00 starting at 13:30	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JG
16/04/2024	Breeding Walkover Survey	T1-T4	3:00 starting at 17:00	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JG
23/04/2024	Breeding Walkover Survey	T10-T16	5:45 starting at 10:30	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% >500m; Rain: drizzle; Frost: none; Snow: none		TR
07/05/2024	Breeding Walkover Survey	T5,T6,T7,	3:00 starting at 13:30	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JG
07/05/2024	Breeding Walkover Survey		3:00 starting at 17:00	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JG
08/05/2024	Breeding Walkover Survey	T2,T3,T4,T8	3:00 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JG
08/05/2024	Breeding Walkover Survey	T2,T3,T4,T8	3:00 starting at 13:30	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JG
09/05/2024	Breeding Walkover Survey	T9-T15	3:00 starting at 14:30	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JG
09/05/2024	Breeding Walkover Survey		3:00 starting at 18:00	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JG
28/05/2024	Breeding Walkover Survey	T14, T15, T16, T10, T13, T11, T12, T9	6:00 starting at 12:00	Visibility: moderate; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		EP
08/06/2024	Breeding Walkover Survey	T4, T3, T2, T5	5:10 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	Mild, Dry, Sunny	AM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
24/06/2024	Breeding Walkover Survey	T7	2:10 starting at 10:05	Visibility: good; Wind speed and direction: gentle breeze SSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	Dry, warm (18c), cloudy	AM
24/06/2024	Breeding Walkover Survey	T6	1:20 starting at 12:15	Visibility: good; Wind speed and direction: fresh breeze SSW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AM
24/06/2024	Breeding Walkover Survey	T9	2:35 starting at 14:30	Visibility: good; Wind speed and direction: fresh breeze SSW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AM
25/06/2024	Breeding Walkover Survey	T14, T15, T16, T10, T13, T11, T12, T9	6:00 starting at 11:00	Visibility: moderate; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		EP
23/07/2024	Breeding Walkover Survey	T11-T16	5:30 starting at 12:30	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
24/07/2024	Breeding Walkover Survey	T1-5	6:00 starting at 11:10	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		EP
25/07/2024	Breeding Walkover Survey	T6-9	6:00 starting at 11:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
30/04/2025	Breeding Walkover Survey	T11	1:20 starting at 10:30	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	some workers driving around site	SD
30/04/2025	Breeding Walkover Survey	T12	0:55 starting at 11:50	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SD
30/04/2025	Breeding Walkover Survey	T13	0:30 starting at 12:45	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	day heating up	SD
30/04/2025	Breeding Walkover Survey	T10	0:15 starting at 13:25	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SD
30/04/2025	Breeding Walkover Survey	T14	1:15 starting at 13:40	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	very hot weather	SD

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
30/04/2025	Breeding Walkover Survey	T16	0:15 starting at 14:55	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SD
30/04/2025	Breeding Walkover Survey	T15	0:20 starting at 15:10	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SD
01/05/2025	Breeding Walkover Survey	T1	0:30 starting at 10:45	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	April survey	OC
01/05/2025	Breeding Walkover Survey	T5	0:45 starting at 11:15	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	April survey	OC
01/05/2025	Breeding Walkover Survey	T2	0:50 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	April survey	OC
01/05/2025	Breeding Walkover Survey	T3	1:10 starting at 12:50	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	April survey	OC
01/05/2025	Breeding Walkover Survey	T4	1:15 starting at 14:00	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	April survey	OC
02/05/2025	Breeding Walkover Survey	T7	1:15 starting at 08:30	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	April survey	OC
02/05/2025	Breeding Walkover Survey	T6	1:30 starting at 09:45	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	April survey	OC
02/05/2025	Breeding Walkover Survey	T8	0:35 starting at 11:25	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	April survey	OC
02/05/2025	Breeding Walkover Survey	T9	1:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	April survey	OC
16/05/2025	Breeding Walkover Survey	T4-T2	3:05 starting at 08:10	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	warm, sunny, dry	AM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
16/05/2025	Breeding Walkover Survey	T7	1:10 starting at 13:00	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	warm (18-20c)	AM
16/05/2025	Breeding Walkover Survey	T6	1:30 starting at 14:10	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	hot (22c)	AM
16/05/2025	Breeding Walkover Survey	T8-T9	1:50 starting at 16:15	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
27/05/2025	Breeding Walkover Survey	T10,T14-T16	3:25 starting at 16:30	Visibility: limited; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none	Poor visibility throughout	TR
28/05/2025	Breeding Walkover Survey	T11-T13	3:05 starting at 16:45	Visibility: limited; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	Poor visibility throughout	TR
30/05/2025	Breeding Walkover Survey	T6-T7	2:50 starting at 07:35	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	showers, mild in am	AM
30/05/2025	Breeding Walkover Survey	T8-T9	2:05 starting at 11:05	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	warm (18c), dry after showers	AM
30/05/2025	Breeding Walkover Survey	T4-T2	3:20 starting at 14:50	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	warm (19-22c), dry, sunny	AM
16/06/2025	Breeding Walkover Survey	T1	0:30 starting at 15:15	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		OC
16/06/2025	Breeding Walkover Survey	T5	0:35 starting at 15:45	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		OC
16/06/2025	Breeding Walkover Survey	T2	0:40 starting at 16:20	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		OC
16/06/2025	Breeding Walkover Survey	T3	1:00 starting at 17:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		OC

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
16/06/2025	Breeding Walkover Survey	T4	1:15 starting at 18:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		OC
17/06/2025	Breeding Walkover Survey	T7	1:20 starting at 16:50	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		OC
17/06/2025	Breeding Walkover Survey	T6	1:20 starting at 18:10	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		OC
17/06/2025	Breeding Walkover Survey	T8	0:20 starting at 19:38	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		OC
17/06/2025	Breeding Walkover Survey	T9	1:00 starting at 20:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		OC
18/06/2025	Breeding Walkover Survey	T11	1:00 starting at 09:15	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZOC
18/06/2025	Breeding Walkover Survey	T12	0:45 starting at 10:15	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZOC
18/06/2025	Breeding Walkover Survey	T13	0:30 starting at 11:00	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZOC
18/06/2025	Breeding Walkover Survey	T10	0:30 starting at 11:30	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZOC
18/06/2025	Breeding Walkover Survey	T14	1:40 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZOC
18/06/2025	Breeding Walkover Survey	T15	0:30 starting at 13:40	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZOC
18/06/2025	Breeding Walkover Survey	T16	0:30 starting at 14:10	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZOC

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
15/07/2025	Breeding Walkover Survey	T7-T6	1:35 starting at 07:55	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	heavy rain early am, clearing, mild (15-18c)	AM
15/07/2025	Breeding Walkover Survey	T4-T2	3:05 starting at 09:45	Visibility: good; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	showers, clearing	AM
15/07/2025	Breeding Walkover Survey	T8-T9	2:30 starting at 14:05	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	sunny spells, warm	AM
31/07/2025	Breeding Walkover Survey	T4-T2	2:50 starting at 08:35	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	warm (16-18c)	AM
31/07/2025	Breeding Walkover Survey	T7-T6	2:10 starting at 12:55	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none	warm (19-20c)	AM
31/07/2025	Breeding Walkover Survey	T8-T9	2:05 starting at 15:50	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none	warm (19-20c)	AM

Table 7 - 1 - 4 Hen harrier roost survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
17/10/2020	Hen Harrier Roost Survey	HHVP3	1:00 starting at 16:00	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier or target species seen	TK
17/10/2020	Hen Harrier Roost Survey	HHVP3	1:00 starting at 17:00	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier or target species seen	TK
17/10/2020	Hen Harrier Roost Survey	HHVP3	1:10 starting at 18:00	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier or target species seen	TK
20/10/2020	Hen Harrier Roost Survey	HHVP5	1:00 starting at 16:10	Visibility: moderate; Wind speed and direction: strong breeze SSW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	Location: 13252 75134. No hen harrier or target species seen	TK
20/10/2020	Hen Harrier Roost Survey	HHVP5	1:00 starting at 17:10	Visibility: moderate; Wind speed and direction: strong breeze SSW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	Location: 13252 75134. No hen harrier or target species seen	TK
20/10/2020	Hen Harrier Roost Survey	HHVP5	0:55 starting at 18:10	Visibility: moderate; Wind speed and direction: fresh breeze SSW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	Location: 13252 75134. No hen harrier or target species seen	TK
23/10/2020	Hen Harrier Roost Survey	HHVP4	1:00 starting at 16:00	Visibility: good; Wind speed and direction: fresh breeze SSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
23/10/2020	Hen Harrier Roost Survey	HHVP4	1:00 starting at 17:00	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
23/10/2020	Hen Harrier Roost Survey	HHVP4	1:00 starting at 18:00	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
24/10/2020	Hen Harrier Roost Survey	HHVP2	1:00 starting at 16:00	Visibility: good; Wind speed and direction: strong breeze SSW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	No hen harrier or target species seen	TK
24/10/2020	Hen Harrier Roost Survey	HHVP2	1:00 starting at 17:00	Visibility: good; Wind speed and direction: strong breeze SSW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	No hen harrier or target species seen	TK
24/10/2020	Hen Harrier Roost Survey	HHVP2	0:50 starting at 18:00	Visibility: good; Wind speed and direction: strong breeze SSW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	No hen harrier or target species seen	TK
25/10/2020	Hen Harrier Roost Survey	HHVP1	1:00 starting at 15:00	Visibility: moderate; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	No hen harrier or target species seen	TK

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
25/10/2020	Hen Harrier Roost Survey	HHVP1	1:00 starting at 16:00	Visibility: moderate; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	No hen harrier or target species seen	TK
25/10/2020	Hen Harrier Roost Survey	HHVP1	1:00 starting at 17:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier or target species seen	TK
29/10/2020	Hen Harrier Roost Survey	HHVP6	1:00 starting at 14:50	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TK
29/10/2020	Hen Harrier Roost Survey	HHVP6	1:00 starting at 15:50	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TK
29/10/2020	Hen Harrier Roost Survey	HHVP6	0:50 starting at 16:50	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
22/11/2020	Hen Harrier Roost Survey	HHVP5	1:00 starting at 15:05	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
22/11/2020	Hen Harrier Roost Survey	HHVP5	1:10 starting at 16:05	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
23/11/2020	Hen Harrier Roost Survey	HHVP4	1:00 starting at 14:30	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
23/11/2020	Hen Harrier Roost Survey	HHVP4	1:00 starting at 15:30	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
23/11/2020	Hen Harrier Roost Survey	HHVP4	0:40 starting at 16:30	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TK
25/11/2020	Hen Harrier Roost Survey	HHVP3	1:00 starting at 15:10	Visibility: good; Wind speed and direction: light air NNW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
25/11/2020	Hen Harrier Roost Survey	HHVP3	1:00 starting at 16:10	Visibility: good; Wind speed and direction: light air NNW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
26/11/2020	Hen Harrier Roost Survey	HHVP2	1:00 starting at 15:00	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier or target species seen	TK

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
26/11/2020	Hen Harrier Roost Survey	HHVP2	1:10 starting at 16:00	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier or target species seen	TK
27/11/2020	Hen Harrier Roost Survey	HHVP6	1:00 starting at 15:00	Visibility: good; Wind speed and direction: light breeze ESE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
27/11/2020	Hen Harrier Roost Survey	HHVP6	1:10 starting at 16:00	Visibility: good; Wind speed and direction: light breeze ESE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
28/11/2020	Hen Harrier Roost Survey	HHVP1	1:00 starting at 15:00	Visibility: good; Wind speed and direction: gentle breeze NNE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
28/11/2020	Hen Harrier Roost Survey	HHVP1	1:10 starting at 16:00	Visibility: good; Wind speed and direction: gentle breeze NNE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
06/12/2020	Hen Harrier Roost Survey	HHVP2	1:00 starting at 14:45	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
06/12/2020	Hen Harrier Roost Survey	HHVP2	1:00 starting at 15:45	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
06/12/2020	Hen Harrier Roost Survey	HHVP2	0:25 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	No Hen Harriers seen	TK
12/12/2020	Hen Harrier Roost Survey	HHVP3	1:00 starting at 07:55	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen. Dawn watch	TK
12/12/2020	Hen Harrier Roost Survey	HHVP3	1:20 starting at 08:55	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen. Dawn watch	TK
12/12/2020	Hen Harrier Roost Survey	HHVP4	1:00 starting at 14:15	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
12/12/2020	Hen Harrier Roost Survey	HHVP4	1:00 starting at 15:15	Visibility: good; Wind speed and direction: gentle breeze SSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
12/12/2020	Hen Harrier Roost Survey	HHVP4	0:50 starting at 16:15	Visibility: good; Wind speed and direction: gentle breeze SSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
14/12/2020	Hen Harrier Roost Survey	HHVP1	1:00 starting at 14:45	Visibility: moderate; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
14/12/2020	Hen Harrier Roost Survey	HHVP1	1:20 starting at 15:45	Visibility: moderate; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
15/12/2020	Hen Harrier Roost Survey	HHVP5	1:00 starting at 08:00	Visibility: good; Wind speed and direction: moderate breeze SSE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Dawn watch	TK
15/12/2020	Hen Harrier Roost Survey	HHVP5	1:00 starting at 09:00	Visibility: good; Wind speed and direction: moderate breeze SSE; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	Dawn watch	TK
15/12/2020	Hen Harrier Roost Survey	HHVP6	1:00 starting at 14:30	Visibility: good; Wind speed and direction: moderate breeze SSE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
15/12/2020	Hen Harrier Roost Survey	HHVP6	1:00 starting at 15:30	Visibility: good; Wind speed and direction: moderate breeze SSE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
15/12/2020	Hen Harrier Roost Survey	HHVP6	0:35 starting at 16:30	Visibility: good; Wind speed and direction: moderate breeze SSE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
09/01/2021	Hen Harrier Roost Survey	HHVP3	1:00 starting at 15:40	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none	No hen harrier or Target species seen	TK
09/01/2021	Hen Harrier Roost Survey	HHVP3	0:45 starting at 16:40	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none	No hen harrier or Target species seen	TK
16/01/2021	Hen Harrier Roost Survey	HHVP2	1:00 starting at 15:30	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	No hen harrier or Target species seen	TK
16/01/2021	Hen Harrier Roost Survey	HHVP2	1:00 starting at 16:30	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	No hen harrier or Target species seen	TK
17/01/2021	Hen Harrier Roost Survey	HHVP1	1:00 starting at 15:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
17/01/2021	Hen Harrier Roost Survey	HHVP1	1:05 starting at 16:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
26/01/2021	Hen Harrier Roost Survey	HHVP4	1:00 starting at 15:40	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
26/01/2021	Hen Harrier Roost Survey	HHVP4	1:05 starting at 16:40	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
28/01/2021	Hen Harrier Roost Survey	HHVP5	1:00 starting at 15:45	Visibility: moderate; Wind speed and direction: fresh breeze SSW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	No hen harrier or Target species seen	TK
28/01/2021	Hen Harrier Roost Survey	HHVP5	1:00 starting at 16:45	Visibility: moderate; Wind speed and direction: fresh breeze SSW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	No hen harrier or Target species seen	TK
29/01/2021	Hen Harrier Roost Survey	HHVP6	1:00 starting at 15:45	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier or Target species seen	TK
29/01/2021	Hen Harrier Roost Survey	HHVP6	1:05 starting at 16:45	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier or Target species seen	TK
03/02/2021	Hen Harrier Roost Survey	HHVP1	1:00 starting at 15:25	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none	No hen harrier seen	TK
03/02/2021	Hen Harrier Roost Survey	HHVP1	1:40 starting at 16:25	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none	No hen harrier seen	TK
04/02/2021	Hen Harrier Roost Survey	HHVP4	1:00 starting at 15:30	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	No hen harrier seen	TK
04/02/2021	Hen Harrier Roost Survey	HHVP4	1:00 starting at 16:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier seen	TK
04/02/2021	Hen Harrier Roost Survey	HHVP4	0:35 starting at 17:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier seen	TK

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
12/02/2021	Hen Harrier Roost Survey	HHVP5	1:00 starting at 15:40	Visibility: good; Wind speed and direction: strong breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	No hen harrier seen	TK
12/02/2021	Hen Harrier Roost Survey	HHVP5	1:00 starting at 16:40	Visibility: good; Wind speed and direction: strong breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	No hen harrier seen	TK
12/02/2021	Hen Harrier Roost Survey	HHVP5	0:38 starting at 17:40	Visibility: good; Wind speed and direction: strong breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	No hen harrier seen	TK
13/02/2021	Hen Harrier Roost Survey	HHVP6	1:00 starting at 15:40	Visibility: good; Wind speed and direction: strong breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier seen	TK
13/02/2021	Hen Harrier Roost Survey	HHVP6	1:00 starting at 16:40	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier seen	TK
13/02/2021	Hen Harrier Roost Survey	HHVP2	1:00 starting at 16:40	Visibility: moderate; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	No hen harrier seen	TK
13/02/2021	Hen Harrier Roost Survey	HHVP6	0:45 starting at 17:40	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier seen	TK
14/02/2021	Hen Harrier Roost Survey	HHVP2	1:00 starting at 15:40	Visibility: moderate; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	No hen harrier seen	TK
14/02/2021	Hen Harrier Roost Survey	HHVP2	0:45 starting at 17:40	Visibility: moderate; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	No hen harrier seen	TK
23/02/2021	Hen Harrier Roost Survey	HHVP3	1:00 starting at 16:15	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier seen	TK
23/02/2021	Hen Harrier Roost Survey	HHVP3	1:00 starting at 17:15	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier seen	TK
23/02/2021	Hen Harrier Roost Survey	HHVP3	0:30 starting at 18:15	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier seen	TK
02/03/2021	Hen Harrier Roost Survey	HHVP2	1:00 starting at 16:30	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
02/03/2021	Hen Harrier Roost Survey	HHVP2	1:17 starting at 17:30	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
04/03/2021	Hen Harrier Roost Survey	HHVP4	1:00 starting at 16:30	Visibility: good; Wind speed and direction: moderate breeze ENE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
04/03/2021	Hen Harrier Roost Survey	HHVP4	1:20 starting at 17:30	Visibility: good; Wind speed and direction: moderate breeze ENE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
13/03/2021	Hen Harrier Roost Survey	HHVP6	1:00 starting at 17:00	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	No Hen Harriers seen	TK
13/03/2021	Hen Harrier Roost Survey	HHVP6	1:10 starting at 18:00	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
14/03/2021	Hen Harrier Roost Survey	HHVP1	1:00 starting at 17:00	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
14/03/2021	Hen Harrier Roost Survey	HHVP1	1:15 starting at 18:00	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
15/03/2021	Hen Harrier Roost Survey	HHVP5	1:00 starting at 17:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
15/03/2021	Hen Harrier Roost Survey	HHVP5	1:15 starting at 18:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
16/03/2021	Hen Harrier Roost Survey	HHVP3	1:00 starting at 17:00	Visibility: good; Wind speed and direction: gentle breeze NNW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
16/03/2021	Hen Harrier Roost Survey	HHVP3	1:18 starting at 18:00	Visibility: good; Wind speed and direction: gentle breeze NNW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	No Hen Harriers seen	TK
07/10/2021	Hen Harrier Roost Survey	HHVP3	3:00 starting at 17:30	Visibility: poor; Wind speed and direction: strong breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none	No target species recorded	TR
15/10/2021	Hen Harrier Roost Survey	HHVP4	2:30 starting at 17:10	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	quite a lot of disturbance from people in this area	SD

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
19/10/2021	Hen Harrier Roost Survey	HHVP6	2:30 starting at 17:01	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 33-66% 150-500m; Rain: heavy showers; Frost: light; Snow: none		SD
20/10/2021	Hen Harrier Roost Survey	HHVP1	2:30 starting at 17:00	Visibility: good; Wind speed and direction: near gale W; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none	No target species recorded	TR
21/10/2021	Hen Harrier Roost Survey	HHVP2	2:30 starting at 17:00	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No target species recorded	TR
03/11/2021	Hen Harrier Roost Survey	HHVP5	2:30 starting at 15:30	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	No target species recorded	TR
09/11/2021	Hen Harrier Roost Survey	HHVP3	2:30 starting at 15:20	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No target species recorded	TR
10/11/2021	Hen Harrier Roost Survey	HHVP4	2:30 starting at 15:20	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none	No target species recorded	TR
16/11/2021	Hen Harrier Roost Survey	HHVP2	2:30 starting at 15:10	Visibility: moderate; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No target species recorded	TR
25/11/2021	Hen Harrier Roost Survey	HHVP5	2:30 starting at 15:00	Visibility: good; Wind speed and direction: fresh breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No target species recorded	TR
26/11/2021	Hen Harrier Roost Survey	HHVP6	2:30 starting at 15:00	Visibility: moderate; Wind speed and direction: gale N; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none	No target species recorded	TR
29/11/2021	Hen Harrier Roost Survey	HHVP1	1:50 starting at 14:50	Visibility: poor; Wind speed and direction: fresh breeze N; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none	Persistent rain and mist lead to visibility <50m. No target species recorded	TR
29/11/2021	Hen Harrier Roost Survey	HHVP1	0:40 starting at 16:40	Visibility: limited; Wind speed and direction: fresh breeze N; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none	Visibility reduced to <25m at times. No target species recorded	TR
14/12/2021	Hen Harrier Roost Survey	HHVP4	2:30 starting at 14:40	Visibility: good; Wind speed and direction: light air W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JK
15/12/2021	Hen Harrier Roost Survey	HHVP3	2:30 starting at 14:40	Visibility: good; Wind speed and direction: light air W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JK

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
20/12/2021	Hen Harrier Roost Survey	HHVP1	2:30 starting at 14:50	Visibility: limited; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	Heavy mist and fog lead to very poor visibility clearing briefly at times but often <25m	TR
21/12/2021	Hen Harrier Roost Survey	HHVP2	1:35 starting at 14:50	Visibility: limited; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TR
21/12/2021	Hen Harrier Roost Survey	HHVP5	2:00 starting at 15:00	Visibility: good; Wind speed and direction: strong breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SD
21/12/2021	Hen Harrier Roost Survey	HHVP3	0:55 starting at 16:25	Visibility: limited; Wind speed and direction: near gale S; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TR
23/12/2021	Hen Harrier Roost Survey	HHVP6	2:10 starting at 15:00	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	mild, bright evening	SD
19/01/2022	Hen Harrier Roost Survey	HHVP4	2:30 starting at 15:20	Visibility: moderate; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
20/01/2022	Hen Harrier Roost Survey	HHVP3	2:30 starting at 15:20	Visibility: moderate; Wind speed and direction: calm S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
21/01/2022	Hen Harrier Roost Survey	HHVP2	2:30 starting at 15:20	Visibility: moderate; Wind speed and direction: light air S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
25/01/2022	Hen Harrier Roost Survey	HHVP5	2:30 starting at 15:30	Visibility: good; Wind speed and direction: calm S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
26/01/2022	Hen Harrier Roost Survey	HHVP6	0:30 starting at 15:30	Visibility: poor; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		TR
26/01/2022	Hen Harrier Roost Survey	HHVP6	2:00 starting at 16:00	Visibility: none; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		TR
27/01/2022	Hen Harrier Roost Survey	HHVP1	2:30 starting at 15:30	Visibility: good; Wind speed and direction: fresh breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
09/02/2022	Hen Harrier Roost Survey	HHVP2	2:30 starting at 16:05	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none	Heavy showers of hail throughout	TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
10/02/2022	Hen Harrier Roost Survey	HHVP4	2:30 starting at 16:05	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
12/02/2022	Hen Harrier Roost Survey	HHVP3	2:30 starting at 16:05	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
17/02/2022	Hen Harrier Roost Survey	HHVP1	2:30 starting at 16:20	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
21/02/2022	Hen Harrier Roost Survey	HHVP5	2:30 starting at 16:30	Visibility: limited; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR
22/02/2022	Hen Harrier Roost Survey	HHVP6	2:30 starting at 16:30	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
07/03/2022	Hen Harrier Roost Survey	HHVP4	2:30 starting at 17:00	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier observed	PM
10/03/2022	Hen Harrier Roost Survey	HHVP3	2:30 starting at 17:00	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier observed	PM
21/03/2022	Hen Harrier Roost Survey	HHVP2	2:30 starting at 17:20	Visibility: moderate; Wind speed and direction: strong breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
23/03/2022	Hen Harrier Roost Survey	HHVP5	2:30 starting at 17:20	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
24/03/2022	Hen Harrier Roost Survey	HHVP6	2:30 starting at 17:25	Visibility: moderate; Wind speed and direction: light breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
28/03/2022	Hen Harrier Roost Survey	HHVP1	2:30 starting at 18:30	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
04/10/2022	Hen Harrier Roost Survey	HHVP3	2:30 starting at 17:40	Visibility: poor; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
10/10/2022	Hen Harrier Roost Survey	HHVP4	2:30 starting at 17:25	Visibility: moderate; Wind speed and direction: light air W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
11/10/2022	Hen Harrier Roost Survey	HHVP6	2:30 starting at 17:25	Visibility: moderate; Wind speed and direction: light air W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
18/10/2022	Hen Harrier Roost Survey	HHVP3	2:30 starting at 17:25	Visibility: moderate; Wind speed and direction: light air W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
19/10/2022	Hen Harrier Roost Survey	HHVP5	2:30 starting at 17:00	Visibility: limited; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Heavy fog covering Slievecallan hill throughout, visibility varying but overall limited	TR
20/10/2022	Hen Harrier Roost Survey	HHVP2	2:30 starting at 17:00	Visibility: limited; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	Heavy showers throughout	TR
28/10/2022	Hen Harrier Roost Survey	HHVP1	2:30 starting at 07:20	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
01/11/2022	Hen Harrier Roost Survey	HHVP4	2:30 starting at 15:30	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
02/11/2022	Hen Harrier Roost Survey	HHVP3	2:30 starting at 15:30	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
09/11/2022	Hen Harrier Roost Survey	HHVP5	2:30 starting at 15:20	Visibility: limited; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none	Rain light yet persistent hindering visibility	TR
15/11/2022	Hen Harrier Roost Survey	HHVP6	2:30 starting at 15:10	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
16/11/2022	Hen Harrier Roost Survey	HHVP1	2:30 starting at 15:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
17/11/2022	Hen Harrier Roost Survey	HHVP2	2:30 starting at 15:00	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		TR
27/11/2022	Hen Harrier Roost Survey	HHVP5	2:30 starting at 15:00	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
28/11/2022	Hen Harrier Roost Survey	HHVP6	2:30 starting at 15:00	Visibility: moderate; Wind speed and direction: light air NW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		TR
06/12/2022	Hen Harrier Roost Survey	HHVP4	2:30 starting at 14:50	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
12/12/2022	Hen Harrier Roost Survey	HHVP5	2:30 starting at 14:45	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: heavy; Snow: none		TR
13/12/2022	Hen Harrier Roost Survey	HHVP3	2:30 starting at 14:45	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: heavy; Snow: none		TR
14/12/2022	Hen Harrier Roost Survey	HHVP6	2:30 starting at 14:45	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: heavy; Snow: none		TR
21/12/2022	Hen Harrier Roost Survey	HHVP1	2:30 starting at 14:40	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No target species recorded	TR
22/12/2022	Hen Harrier Roost Survey	HHVP2	2:30 starting at 14:40	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
16/01/2023	Hen Harrier Roost Survey	HHVP4	2:30 starting at 15:20	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
18/01/2023	Hen Harrier Roost Survey	HHVP5	2:30 starting at 15:20	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
19/01/2023	Hen Harrier Roost Survey	HHVP3	2:30 starting at 15:20	Visibility: good; Wind speed and direction: light air W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: heavy; Snow: falling		TR
20/01/2023	Hen Harrier Roost Survey	HHVP6	2:30 starting at 15:20	Visibility: poor; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		TR
24/01/2023	Hen Harrier Roost Survey	HHVP2	2:30 starting at 15:30	Visibility: none; Wind speed and direction: calm N; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none	Low clouds, mist and rain leading to very poor visibility <25m	TR
25/01/2023	Hen Harrier Roost Survey	HHVP1	2:30 starting at 15:40	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
03/02/2023	Hen Harrier Roost Survey	HHVP3	2:30 starting at 15:50	Visibility: poor; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TR
13/02/2023	Hen Harrier Roost Survey	HHVP4	2:30 starting at 16:10	Visibility: good; Wind speed and direction: near gale SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
14/02/2023	Hen Harrier Roost Survey	HHVP5	2:30 starting at 16:10	Visibility: good; Wind speed and direction: near gale S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
16/02/2023	Hen Harrier Roost Survey	HHVP6	2:30 starting at 16:10	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
17/02/2023	Hen Harrier Roost Survey	HHVP2	2:30 starting at 16:10	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR
23/02/2023	Hen Harrier Roost Survey	HHVP1	2:30 starting at 16:10	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
08/03/2023	Hen Harrier Roost Survey	HHVP4	2:30 starting at 17:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
10/03/2023	Hen Harrier Roost Survey	HHVP3	2:30 starting at 17:00	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
27/03/2023	Hen Harrier Roost Survey	HHVP2	2:30 starting at 18:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
28/03/2023	Hen Harrier Roost Survey	HHVP5	2:30 starting at 18:30	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TR
29/03/2023	Hen Harrier Roost Survey	HHVP6	2:30 starting at 18:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
31/03/2023	Hen Harrier Roost Survey	HHVP1	2:30 starting at 18:40	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
05/10/2023	Hen Harrier Roost Survey	HHVP3	2:30 starting at 17:30	Visibility: poor; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		JG

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
06/10/2023	Hen Harrier Roost Survey	HHVP4	2:30 starting at 17:30	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JG
13/10/2023	Hen Harrier Roost Survey	HHVP2	2:30 starting at 17:30	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		JG
16/10/2023	Hen Harrier Roost Survey	HHVP5	2:30 starting at 17:20	Visibility: good; Wind speed and direction: strong breeze E; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR
18/10/2023	Hen Harrier Roost Survey	HHVP6	2:30 starting at 17:20	Visibility: moderate; Wind speed and direction: strong breeze E; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR
31/10/2023	Hen Harrier Roost Survey	HHVP1	2:30 starting at 15:30	Visibility: poor; Wind speed and direction: fresh breeze E; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		JG
14/11/2023	Hen Harrier Roost Survey	HHVP3	2:30 starting at 15:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		JG
15/11/2023	Hen Harrier Roost Survey	HHVP2	2:30 starting at 15:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		JG
16/11/2023	Hen Harrier Roost Survey	HHVP5	3:00 starting at 15:15	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
17/11/2023	Hen Harrier Roost Survey	HHVP6	3:00 starting at 15:15	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
01/12/2023	Hen Harrier Roost Survey	HHVP2	2:30 starting at 14:55	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none		TR
04/12/2023	Hen Harrier Roost Survey	HHVP3	2:30 starting at 14:55	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
06/12/2023	Hen Harrier Roost Survey	HHVP5	2:30 starting at 14:55	Visibility: good; Wind speed and direction: strong breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		TR
11/12/2023	Hen Harrier Roost Survey	HHVP6	2:30 starting at 14:55	Visibility: none; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% <150m; Rain: persistent; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
19/12/2023	Hen Harrier Roost Survey	HHVP1	2:30 starting at 14:55	Visibility: limited; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none	very poor visibility, <50m	TR
21/12/2023	Hen Harrier Roost Survey	HHVP4	2:30 starting at 14:55	Visibility: moderate; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
04/01/2024	Hen Harrier Roost Survey	HHVP5	3:00 starting at 14:30	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: light; Snow: none		TR
05/01/2024	Hen Harrier Roost Survey	HHVP6	3:00 starting at 14:30	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: light; Snow: none		TR
17/01/2024	Hen Harrier Roost Survey	HHVP3	2:30 starting at 15:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: light; Snow: none		JG
18/01/2024	Hen Harrier Roost Survey	HHVP4	2:30 starting at 15:30	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: heavy; Snow: on ground		JG
29/01/2024	Hen Harrier Roost Survey	HHVP2	2:30 starting at 15:45	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		JG
30/01/2024	Hen Harrier Roost Survey	HHVP1	2:30 starting at 15:45	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		JG
13/02/2024	Hen Harrier Roost Survey	HHVP3	2:30 starting at 16:00	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 33-66% 150-500m; Rain: light showers; Frost: none; Snow: none		JG
15/02/2024	Hen Harrier Roost Survey	HHVP1a	2:30 starting at 16:00	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JG
20/02/2024	Hen Harrier Roost Survey	HHVP5	3:00 starting at 16:00	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none	No hen harrier	TR
21/02/2024	Hen Harrier Roost Survey	HHVP6	3:00 starting at 16:00	Visibility: good; Wind speed and direction: fresh breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier	TR
27/02/2024	Hen Harrier Roost Survey	HHVP4	2:30 starting at 16:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JG
01/03/2024	Hen Harrier Roost Survey	HHVP2	2:30 starting at 16:30	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	Feb survey	JG

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
20/03/2024	Hen Harrier Roost Survey	HHVP5	2:30 starting at 17:20	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
21/03/2024	Hen Harrier Roost Survey	HHVP3	2:30 starting at 17:00	Visibility: moderate; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	wet at start of VP, light showers by 1800, misty rain by 1900	AM
21/03/2024	Hen Harrier Roost Survey	HHVP6	2:30 starting at 17:20	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
27/03/2024	Hen Harrier Roost Survey	HHVP2	2:35 starting at 17:00	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	cool (5c), breezy, cleared in pm after rain	AM
27/03/2024	Hen Harrier Roost Survey	HHVP4	2:30 starting at 17:25	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		LDV
28/03/2024	Hen Harrier Roost Survey	HHVP1	2:35 starting at 17:00	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	cool, breezy, dry, sunny	AM
14/10/2024	Hen Harrier Roost Survey	HHVP4	2:30 starting at 17:10	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		ZOC
21/10/2024	Hen Harrier Roost Survey	HHVP6	2:30 starting at 16:55	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		ZOC
21/10/2024	Hen Harrier Roost Survey	HHVP5	2:30 starting at 16:55	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
24/10/2024	Hen Harrier Roost Survey	HHVP3	2:30 starting at 15:50	Visibility: moderate; Wind speed and direction: strong breeze E; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none	No Observation	FOD
29/10/2024	Hen Harrier Roost Survey	HHVP2	2:30 starting at 15:40	Visibility: poor; Wind speed and direction: calm SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		ZOC
30/10/2024	Hen Harrier Roost Survey	HHVP1	2:30 starting at 15:40	Visibility: limited; Wind speed and direction: light air E; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		ZOC
14/11/2024	Hen Harrier Roost Survey	HHVP4	3:00 starting at 15:04	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		EP
26/11/2024	Hen Harrier Roost Survey	HHVP2	3:00 starting at 14:48	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		EP

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
27/11/2024	Hen Harrier Roost Survey	HHVP5	2:30 starting at 15:00	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		TR
28/11/2024	Hen Harrier Roost Survey	HHVP3	3:00 starting at 06:56	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: light; Snow: none		EP
28/11/2024	Hen Harrier Roost Survey	HHVP1a	3:00 starting at 14:46	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none	Moved to 52°52'01.8"N 9°18'59.9"W	EP
28/11/2024	Hen Harrier Roost Survey	HHVP6	2:30 starting at 15:00	Visibility: moderate; Wind speed and direction: light air NW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		TR
10/12/2024	Hen Harrier Roost Survey	HHVP1a	2:30 starting at 14:50	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: light; Snow: none	felling ongoing just east of HHVP. No hen harrier seen	ZOC
12/12/2024	Hen Harrier Roost Survey	HHVP4	2:35 starting at 14:45	Visibility: good; Wind speed and direction: moderate breeze ESE; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none	cold (2-4c), dry, breezy	AM
16/12/2024	Hen Harrier Roost Survey	hhvp6	2:05 starting at 14:50	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: drizzle; Frost: none; Snow: none	no hen harrier	JD
18/12/2024	Hen Harrier Roost Survey	HHVP2	2:30 starting at 14:45	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none	mild (7-8c), light wind, showery	AM
18/12/2024	Hen Harrier Roost Survey	hhvp5	2:15 starting at 14:45	Visibility: moderate; Wind speed and direction: moderate breeze WNW; Cloud cover and height: 33-66% 150-500m; Rain: light showers; Frost: none; Snow: none	no hen harrier	JD
19/12/2024	Hen Harrier Roost Survey	HHVP3	2:25 starting at 14:50	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	bright, sunny, fresh breeze	AM
15/01/2025	Hen Harrier Roost Survey	HHVP2	2:30 starting at 15:20	Visibility: good; Wind speed and direction: fresh breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	No hen harrier	ZOC
16/01/2025	Hen Harrier Roost Survey	HHVP1a	2:30 starting at 15:20	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No hen harrier	ZOC
17/01/2025	Hen Harrier Roost Survey	HHVP4	2:30 starting at 15:24	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		EP
21/01/2025	Hen Harrier Roost Survey	HHVP3	2:30 starting at 15:30	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		EP

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
31/01/2025	Hen Harrier Roost Survey	HHVP6	1:30 starting at 16:50	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	late start due to disturbance on site, no hen harrier observed	SD
31/01/2025	Hen Harrier Roost Survey	HHVP6	1:30 starting at 16:50	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	late start due to disturbance on site	TR
04/02/2025	Hen Harrier Roost Survey	HHVP1a	2:30 starting at 16:00	Visibility: good; Wind speed and direction: strong breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		ZOC
05/02/2025	Hen Harrier Roost Survey	HHVP2	2:30 starting at 16:00	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZOC
13/02/2025	Hen Harrier Roost Survey	HHVP4	2:30 starting at 16:15	Visibility: moderate; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		ZOC
20/02/2025	Hen Harrier Roost Survey	HHVP6	2:30 starting at 16:30	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		SD
21/02/2025	Hen Harrier Roost Survey	HHVP3	2:30 starting at 16:30	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		ZOC
10/03/2025	Hen Harrier Roost Survey	HHVP1a	3:30 starting at 17:00	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZOC
11/03/2025	Hen Harrier Roost Survey	HHVP2	2:40 starting at 16:40	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	breezy, dry	AM
13/03/2025	Hen Harrier Roost Survey	HHVP4	2:30 starting at 17:00	Visibility: good; Wind speed and direction: light air S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	no hen harrier	EP
18/03/2025	Hen Harrier Roost Survey	hhvp5	2:30 starting at 17:15	Visibility: good; Wind speed and direction: strong breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
20/03/2025	Hen Harrier Roost Survey	HHVP3	2:30 starting at 16:50	Visibility: good; Wind speed and direction: moderate breeze ESE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	mild (12-15c)	AM
20/03/2025	Hen Harrier Roost Survey	hhvp6	2:30 starting at 17:15	Visibility: good; Wind speed and direction: strong breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR

Table 7 - 1 - 5 Breeding raptor survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
22/04/2021	Breeding Raptor Survey	BR3	3:00 starting at 10:30	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SD
22/04/2021	Breeding Raptor Survey	BR2	3:00 starting at 14:30	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SD
22/04/2021	Breeding Raptor Survey	BR4	3:00 starting at 14:30	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SOB
23/04/2021	Breeding Raptor Survey	BR1	3:00 starting at 09:45	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	hazy day	SD
23/04/2021	Breeding Raptor Survey	BR6	3:00 starting at 13:15	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	haze	SD
30/04/2021	Breeding Raptor Survey	BR5	3:00 starting at 12:30	Visibility: good; Wind speed and direction: light air W; Cloud cover and height: 33-66% >500m; Rain: heavy showers; Frost: none; Snow: none		SD
13/05/2021	Breeding Raptor Survey	BR1	1:30 starting at 17:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	no raptors	SD
13/05/2021	Breeding Raptor Survey	BR1	1:30 starting at 18:30	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SD
18/05/2021	Breeding Raptor Survey	BR3	3:00 starting at 17:00	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	male hen harrier visible round nest site from visit 1 - still active	SD
21/05/2021	Breeding Raptor Survey	BR2	1:30 starting at 11:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	no raptors, but newly fledged cuckoo with meadow pipit parent in tow!	SD
21/05/2021	Breeding Raptor Survey	BR2	1:30 starting at 13:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		SD
21/05/2021	Breeding Raptor Survey	BR4	1:30 starting at 15:00	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		SD
21/05/2021	Breeding Raptor Survey	BR4	1:30 starting at 16:30	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		SD
28/05/2021	Breeding Raptor Survey	BR6	3:00 starting at 10:30	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		SD

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
28/05/2021	Breeding Raptor Survey	BR5	3:00 starting at 14:00	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	Chicks likely of fledgling age in sparrowhawk nest recorded during visit 1. Not observed during visit 2	SD
01/06/2021	Breeding Raptor Survey	BR3	1:00 starting at 11:30	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
01/06/2021	Breeding Raptor Survey	BR3	0:30 starting at 12:30	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	mist	SOB
01/06/2021	Breeding Raptor Survey	BR3	1:30 starting at 13:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
01/06/2021	Breeding Raptor Survey	BR4	2:00 starting at 15:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
01/06/2021	Breeding Raptor Survey	BR4	1:00 starting at 17:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
10/06/2021	Breeding Raptor Survey	BR5	0:35 starting at 12:50	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
10/06/2021	Breeding Raptor Survey	BR5		Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		SOB
10/06/2021	Breeding Raptor Survey	BR5		Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
10/06/2021	Breeding Raptor Survey	BR6	1:00 starting at 16:30	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		SOB
10/06/2021	Breeding Raptor Survey	BR6	1:00 starting at 17:30	Visibility: none; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
10/06/2021	Breeding Raptor Survey	BR6	0:30 starting at 18:30	Visibility: none; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
10/06/2021	Breeding Raptor Survey	BR6	0:40 starting at 19:00	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
15/06/2021	Breeding Raptor Survey	BR3	0:30 starting at 15:00	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 33-66% <150m; Rain: drizzle; Frost: none; Snow: none		SOB
15/06/2021	Breeding Raptor Survey	BR3	0:30 starting at 15:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% <150m; Rain: none; Frost: none; Snow: none		SOB
15/06/2021	Breeding Raptor Survey	BR3	0:30 starting at 16:00	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 33-66% <150m; Rain: none; Frost: none; Snow: none		SOB
15/06/2021	Breeding Raptor Survey	BR3	0:15 starting at 17:00	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		SOB
15/06/2021	Breeding Raptor Survey	BR3	0:45 starting at 17:15	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
15/06/2021	Breeding Raptor Survey	BR3	0:40 starting at 18:00	Visibility: limited; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	heavy mist rolls in	SOB
15/06/2021	Breeding Raptor Survey	BR3	0:00 starting at 18:40	Visibility: poor; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	mist lightens	SOB
15/06/2021	Breeding Raptor Survey	BR3	2:20 starting at 18:40	Visibility: limited; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none	rain starts falling mist heavy again	SOB
16/06/2021	Breeding Raptor Survey	BR3	2:00 starting at 15:00	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none	good visibility	SOB
16/06/2021	Breeding Raptor Survey	BR3	1:00 starting at 17:00	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		SOB
16/06/2021	Breeding Raptor Survey	BR3	2:30 starting at 18:00	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
16/06/2021	Breeding Raptor Survey	BR3	0:30 starting at 20:30	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
17/06/2021	Breeding Raptor Survey	BR3	4:00 starting at 08:00	Visibility: good; Wind speed and direction: strong breeze N; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	clear windy day	SOB
17/06/2021	Breeding Raptor Survey	BR3	2:25 starting at 12:25	Visibility: good; Wind speed and direction: strong breeze N; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	walked to second VP	SOB
02/07/2021	Breeding Raptor Survey	BR5	3:00 starting at 13:00	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
02/07/2021	Breeding Raptor Survey	BR6	1:20 starting at 16:20	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
02/07/2021	Breeding Raptor Survey	BR6	1:00 starting at 17:40	Visibility: moderate; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		SOB
02/07/2021	Breeding Raptor Survey	BR6	0:40 starting at 18:40	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		SOB
08/07/2021	Breeding Raptor Survey	BR3	3:00 starting at 11:45	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
08/07/2021	Breeding Raptor Survey	BR4	0:40 starting at 15:20	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		SOB
08/07/2021	Breeding Raptor Survey	BR4	0:40 starting at 16:00	Visibility: poor; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	mist rolls in	SOB
08/07/2021	Breeding Raptor Survey	BR4	0:40 starting at 16:40	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		SOB
08/07/2021	Breeding Raptor Survey	BR4	0:40 starting at 17:20	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		SOB
16/07/2021	Breeding Raptor Survey	BR2	3:00 starting at 11:00	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		SOB

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
16/07/2021	Breeding Raptor Survey	BR1	1:10 starting at 14:45	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none	Missed 20 mins of 1st half of BRVP1	SOB
16/07/2021	Breeding Raptor Survey	BR1	1:30 starting at 16:05	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		SOB
07/04/2022	Breeding Raptor Survey	BR5	3:00 starting at 11:00	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-101% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
07/04/2022	Breeding Raptor Survey	BR6	3:00 starting at 14:00	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-101% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
22/04/2022	Breeding Raptor Survey	BR1	3:00 starting at 11:15	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
22/04/2022	Breeding Raptor Survey	BR2	3:00 starting at 14:15	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
27/04/2022	Breeding Raptor Survey	BR3	3:00 starting at 10:45	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
27/04/2022	Breeding Raptor Survey	BR4	3:00 starting at 14:15	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
19/05/2022	Breeding Raptor Survey	BR6	3:00 starting at 12:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
20/05/2022	Breeding Raptor Survey	BR2	3:00 starting at 11:00	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
20/05/2022	Breeding Raptor Survey	BR3	3:00 starting at 14:15	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
23/05/2022	Breeding Raptor Survey	BR5	3:00 starting at 16:00	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
26/05/2022	Breeding Raptor Survey	BR1	3:00 starting at 14:30	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
27/05/2022	Breeding Raptor Survey	BR4	3:00 starting at 13:30	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
15/06/2022	Breeding Raptor Survey	BR5	3:00 starting at 13:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
17/06/2022	Breeding Raptor Survey	BR6	3:00 starting at 13:15	Visibility: moderate; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR
21/06/2022	Breeding Raptor Survey	BR3	3:00 starting at 13:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
22/06/2022	Breeding Raptor Survey	BR4	3:00 starting at 12:45	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
23/06/2022	Breeding Raptor Survey	BR1	3:00 starting at 13:45	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TR
24/06/2022	Breeding Raptor Survey	BR2	3:00 starting at 15:20	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		TR
11/07/2022	Breeding Raptor Survey	BR5	3:00 starting at 10:15	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
11/07/2022	Breeding Raptor Survey	BR6	3:00 starting at 13:45	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
14/07/2022	Breeding Raptor Survey	BR3	3:00 starting at 09:10	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
14/07/2022	Breeding Raptor Survey	BR2	3:00 starting at 12:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
21/07/2022	Breeding Raptor Survey	BR1	3:00 starting at 08:00	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
21/07/2022	Breeding Raptor Survey	BR4	3:00 starting at 11:25	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
05/04/2023	Breeding Raptor Survey	BR5	1:00 starting at 09:00	Visibility: moderate; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MS
05/04/2023	Breeding Raptor Survey	BR5	1:00 starting at 10:00	Visibility: moderate; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MS
05/04/2023	Breeding Raptor Survey	BR5	1:00 starting at 11:00	Visibility: moderate; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MS
05/04/2023	Breeding Raptor Survey	BR6	1:00 starting at 14:00	Visibility: good; Wind speed and direction: fresh breeze WNW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		MS
05/04/2023	Breeding Raptor Survey	BR6	1:00 starting at 15:00	Visibility: good; Wind speed and direction: fresh breeze WNW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MS
05/04/2023	Breeding Raptor Survey	BR6	1:00 starting at 16:00	Visibility: good; Wind speed and direction: fresh breeze WNW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		MS
26/04/2023	Breeding Raptor Survey	BR1	3:00 starting at 09:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
26/04/2023	Breeding Raptor Survey	BR4	3:00 starting at 12:15	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
28/04/2023	Breeding Raptor Survey	BR3	3:00 starting at 08:00	Visibility: none; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	Mist and fog leading to very poor visibility throughout surveys on BR3 and BR4. No target species observed.	TR
28/04/2023	Breeding Raptor Survey	BR4	3:00 starting at 11:20	Visibility: none; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		TR
28/04/2023	Breeding Raptor Survey	BR5	3:00 starting at 15:00	Visibility: poor; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		TR
18/05/2023	Breeding Raptor Survey	BR5	3:00 starting at 11:00	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
18/05/2023	Breeding Raptor Survey	BR6	3:00 starting at 14:30	Visibility: moderate; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		TR
25/05/2023	Breeding Raptor Survey	BR1	3:00 starting at 16:15	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
30/05/2023	Breeding Raptor Survey	BR4	3:00 starting at 09:00	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
30/05/2023	Breeding Raptor Survey	BR2	3:00 starting at 12:45	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
15/06/2023	Breeding Raptor Survey	BR5	3:00 starting at 10:00	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MH
15/06/2023	Breeding Raptor Survey	BR6	3:30 starting at 13:00	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		MH
28/06/2023	Breeding Raptor Survey	BR1	3:00 starting at 10:30	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TR
28/06/2023	Breeding Raptor Survey	BR3	3:00 starting at 14:10	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		TR
29/06/2023	Breeding Raptor Survey	BR4	3:00 starting at 09:30	Visibility: good; Wind speed and direction: strong breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
29/06/2023	Breeding Raptor Survey	BR2	3:00 starting at 13:30	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
30/08/2023	Breeding Raptor Survey	BR3	3:00 starting at 10:00	Visibility: good; Wind speed and direction: light air S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
30/08/2023	Breeding Raptor Survey	BR2	3:00 starting at 13:25	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR
30/08/2023	Breeding Raptor Survey	BR5	3:00 starting at 17:10	Visibility: moderate; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
31/08/2023	Breeding Raptor Survey	BR1	3:00 starting at 09:15	Visibility: limited; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none	poor visibility due to low cloud and mist. Moved VP downhill for better visibility.	TR
31/08/2023	Breeding Raptor Survey	BR2	6:00 starting at 12:00	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TR
24/04/2024	Breeding Raptor Survey	BR2	3:00 starting at 15:40	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		EP
25/04/2024	Breeding Raptor Survey	BR5	3:00 starting at 11:30	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JG
25/04/2024	Breeding Raptor Survey	BR6	3:00 starting at 15:00	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JG
29/04/2024	Breeding Raptor Survey	BR4	3:00 starting at 11:40	Visibility: poor; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		EP
29/04/2024	Breeding Raptor Survey	BR3	3:00 starting at 14:50	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
30/04/2024	Breeding Raptor Survey	BR1	3:00 starting at 17:00	Visibility: moderate; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		TR
13/05/2024	Breeding Raptor Survey	BR5	3:00 starting at 09:00	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JG
13/05/2024	Breeding Raptor Survey	BR6	3:00 starting at 12:30	Visibility: poor; Wind speed and direction: gentle breeze E; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		JG
28/05/2024	Breeding Raptor Survey	BR1	3:00 starting at 16:15	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
30/05/2024	Breeding Raptor Survey	BR2	3:00 starting at 10:15	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
31/05/2024	Breeding Raptor Survey	BR3	3:00 starting at 11:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
31/05/2024	Breeding Raptor Survey	BR4	3:00 starting at 15:00	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
06/06/2024	Breeding Raptor Survey	BR3	3:00 starting at 11:30	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
06/06/2024	Breeding Raptor Survey	BR4	3:00 starting at 15:00	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
13/06/2024	Breeding Raptor Survey	BR6	3:00 starting at 12:50	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	Blustery, light rain from 13:30	AM
13/06/2024	Breeding Raptor Survey	BR5	3:00 starting at 16:15	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		AM
18/06/2024	Breeding Raptor Survey	BR2	3:00 starting at 14:25	Visibility: good; Wind speed and direction: moderate breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
18/06/2024	Breeding Raptor Survey	BR1	3:00 starting at 17:40	Visibility: good; Wind speed and direction: moderate breeze N; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
26/07/2024	Breeding Raptor Survey	BR3	3:00 starting at 09:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
30/07/2024	Breeding Raptor Survey	BR5	3:00 starting at 09:00	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		JG
30/07/2024	Breeding Raptor Survey	BR1	3:00 starting at 12:10	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		EP
30/07/2024	Breeding Raptor Survey	BR6	3:00 starting at 12:30	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		JG
30/07/2024	Breeding Raptor Survey	BR4	3:00 starting at 15:10	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		EP
31/07/2024	Breeding Raptor Survey	BR3	3:00 starting at 11:20	Visibility: good; Wind speed and direction: light air NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
31/07/2024	Breeding Raptor Survey	BR2	3:00 starting at 14:20	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		EP
01/04/2025	Breeding Raptor Survey	BR5	3:00 starting at 10:50	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		OC

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
01/04/2025	Breeding Raptor Survey	BR6	3:00 starting at 14:00	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		OC
02/04/2025	Breeding Raptor Survey	BR4	3:00 starting at 09:00	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZOC
02/04/2025	Breeding Raptor Survey	BR3	3:00 starting at 12:15	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZOC
03/04/2025	Breeding Raptor Survey	BR2	3:00 starting at 09:00	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		ZOC
24/04/2025	Breeding Raptor Survey	BR1	1:40 starting at 08:20	Visibility: poor; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none	Heavy mist affected visibility	OC
24/04/2025	Breeding Raptor Survey	BR1	1:20 starting at 10:00	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		OC
08/05/2025	Breeding Raptor Survey	BR4	3:00 starting at 13:30	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		ZOC
08/05/2025	Breeding Raptor Survey	BR3	3:00 starting at 16:45	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		ZOC
26/05/2025	Breeding Raptor Survey	BR1	3:00 starting at 14:20	Visibility: limited; Wind speed and direction: fresh breeze NE; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none		ZOC
29/05/2025	Breeding Raptor Survey	BR2	3:00 starting at 06:20	Visibility: limited; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none	heavy mist impacted visibility	OC
30/05/2025	Breeding Raptor Survey	BR6	3:00 starting at 13:10	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		TR
30/05/2025	Breeding Raptor Survey	BR5	3:00 starting at 13:15	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		TR
06/06/2025	Breeding Raptor Survey	BR6	3:00 starting at 10:15	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none	breezy, cool (12c), mostly dry	AM
06/06/2025	Breeding Raptor Survey	BR5	3:00 starting at 14:25	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none	windy, dry	AM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
19/06/2025	Breeding Raptor Survey	BR4	3:00 starting at 06:00	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		ZOC
19/06/2025	Breeding Raptor Survey	BR3	3:00 starting at 09:20	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		ZOC
23/06/2025	Breeding Raptor Survey	BR1	3:00 starting at 17:15	Visibility: none; Wind speed and direction: fresh breeze E; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none	50m visibility	ZOC
26/06/2025	Breeding Raptor Survey	BR2	3:00 starting at 07:25	Visibility: good; Wind speed and direction: fresh breeze WSW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		OC
27/06/2025	Breeding Raptor Survey	BR6	3:00 starting at 13:20	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
27/06/2025	Breeding Raptor Survey	BR5	3:00 starting at 16:35	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR
08/07/2025	Breeding Raptor Survey	BR5	3:00 starting at 10:05	Visibility: poor; Wind speed and direction: moderate breeze WNW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	overcast, misty rain, mild	AM
08/07/2025	Breeding Raptor Survey	BR6	3:00 starting at 14:15	Visibility: good; Wind speed and direction: fresh breeze WNW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	mild (16-17c), misty then dry, breezy	AM

Table 7 - 1 - 6 Breeding woodcock survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
19/05/2021	Breeding Woodcock Survey	WKT1	2:00 starting at 20:20	Visibility: good; Wind speed and direction: calm W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No Target Species observed	JG
22/06/2021	Breeding Woodcock Survey	WKT1	2:00 starting at 21:05	Visibility: moderate; Wind speed and direction: calm W; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none	misty rain falling throughout, but calm and warm. No woodcock observed	SD
09/05/2022	Breeding Woodcock Survey	WKT2	2:05 starting at 20:55	Visibility: moderate; Wind speed and direction: gentle breeze E; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Cattle present	JQ
24/05/2022	Breeding Woodcock Survey	WKT3	1:30 starting at 21:25	Visibility: moderate; Wind speed and direction: strong breeze N; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	Area surrounding trees very exposed; very low activity - corvids and tit spp; rain worsened as dusk approached	JQ
07/06/2022	Breeding Woodcock Survey	WKT3	2:00 starting at 21:40	Visibility: moderate; Wind speed and direction: strong breeze NE; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		JQ
10/06/2022	Breeding Woodcock Survey	WKT2	0:50 starting at 21:55	Visibility: good; Wind speed and direction: strong breeze N; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	Heavy shower when I arrived and stopped after 5-10 minutes; wind picked up quarter through the survey to where I called it	JQ
18/06/2023	Breeding Woodcock Survey	WKT1	2:00 starting at 21:15	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
26/06/2023	Breeding Woodcock Survey	WKT1	2:00 starting at 21:10	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		TR
10/06/2024	Breeding Woodcock Survey	T1	2:00 starting at 21:00	Visibility: good; Wind speed and direction: light air N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	No Woodcock	JG
10/06/2024	Breeding Woodcock Survey	T1	2:00 starting at 21:00	Visibility: good; Wind speed and direction: light air N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JG
12/06/2024	Breeding Woodcock Survey	T1	2:00 starting at 21:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No Woodcock	TR
13/06/2024	Breeding Woodcock Survey	T2	2:00 starting at 21:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none	No Woodcock	TR

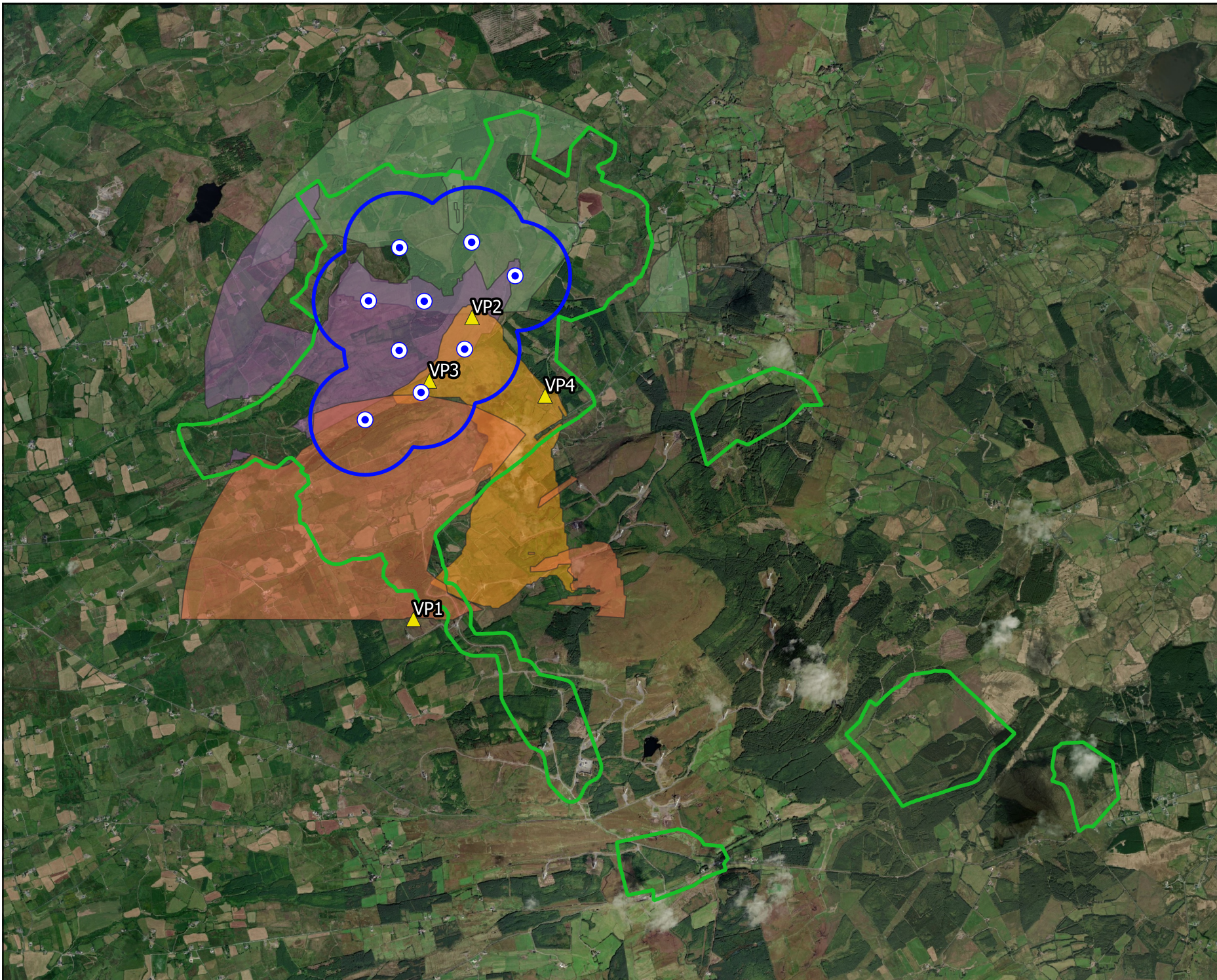
Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
24/06/2024	Breeding Woodcock Survey	T2	2:00 starting at 21:00	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	No Woodcock	JG
24/06/2024	Breeding Woodcock Survey	T2	2:00 starting at 21:00	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		JG
25/06/2024	Breeding Woodcock Survey	T3	2:00 starting at 21:00	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	No Woodcock	JG
25/06/2024	Breeding Woodcock Survey	T3	2:00 starting at 21:00	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JG
22/05/2025	Breeding Woodcock Survey	WK3	2:00 starting at 20:35	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		OC
27/05/2025	Breeding Woodcock Survey	WK1	2:00 starting at 20:45	Visibility: limited; Wind speed and direction: near gale W; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none	Poor visibility throughout	TR
28/05/2025	Breeding Woodcock Survey	WK2	2:00 starting at 20:45	Visibility: limited; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	Poor visibility throughout	TR
16/06/2025	Breeding Woodcock Survey	WK3	2:00 starting at 21:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		OC
17/06/2025	Breeding Woodcock Survey	WK2	2:00 starting at 21:05	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		OC
23/06/2025	Breeding Woodcock Survey	BWK1	2:00 starting at 21:00	Visibility: limited; Wind speed and direction: fresh breeze E; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none		ZOC
24/06/2025	Breeding Woodcock Survey	BWK3	2:00 starting at 21:00	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		ZOC
25/06/2025	Breeding Woodcock Survey	BWK2	2:00 starting at 21:00	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		ZOC
29/06/2025	Breeding Woodcock Survey	T1	1:23 starting at 21:07	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	calm, hot and humid night - 20 degrees	SD











Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
29/06/2025	Breeding Woodcock Survey	T1	0:17 starting at 22:30	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none	unforecast heavy rain suddenly starts. Finished survey early due to risk of lightning at the wind farm.	SD

Table 7 - 1 - 7 Breeding red grouse survey effort


Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
30/03/2021	Breeding Red Grouse Survey	T1	0:20 starting at 09:05	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JC
30/03/2021	Breeding Red Grouse Survey	T2	1:10 starting at 09:45	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JC
30/03/2021	Breeding Red Grouse Survey	T3	1:40 starting at 11:10	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JC
30/03/2021	Breeding Red Grouse Survey	T4	0:35 starting at 13:20	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JC
30/03/2021	Breeding Red Grouse Survey	T5	0:35 starting at 13:35	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JC
30/03/2021	Breeding Red Grouse Survey	T6	0:35 starting at 14:40	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JC
25/03/2022	Breeding Red Grouse Survey	500m Survey Radius	5:00 starting at 10:00	Visibility: good; Wind speed and direction: light air E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TR
02/03/2023	Breeding Red Grouse Survey	500m Survey Radius	5:30 starting at 09:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
27/03/2024	Breeding Red Grouse Survey	500m Survey Radius	3:30 starting at 09:00	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: falling		TR
13/03/2025	Breeding Red Grouse Survey	BR1	6:00 starting at 12:00	Visibility: good; Wind speed and direction: light air N; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		TR



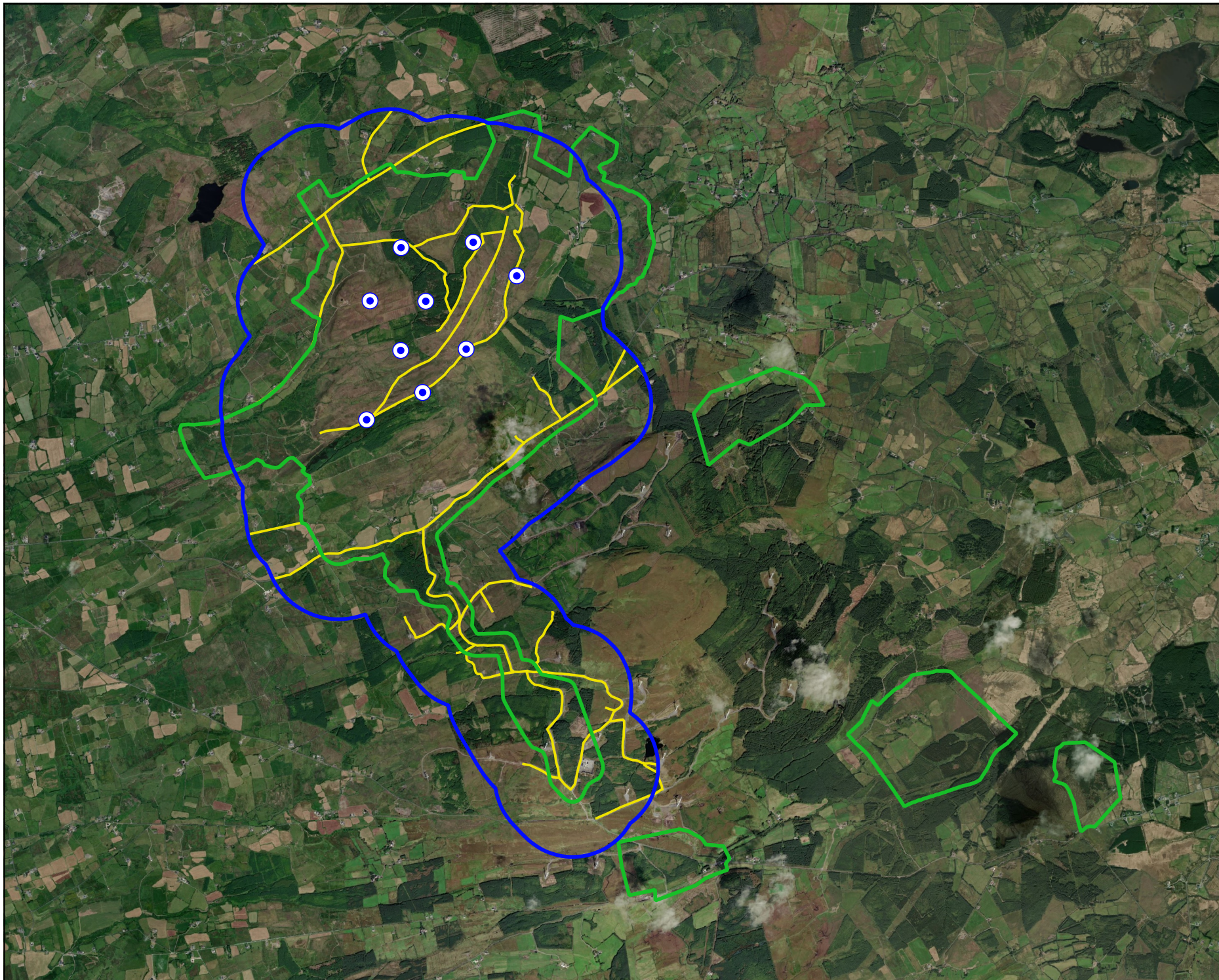
### Map Legend

-  500m Proposed Turbine buffer
-  EIA Site Boundary
-  Proposed Turbines
-  Vantage point locations
-  VP1 viewshed
-  VP2 viewshed
-  VP3 viewshed
-  VP4 viewshed







Drawing Title	
<b>Vantage Point Locations</b>	
Project Title	
<b>Slievecurry Renewable Energy Development</b>	
Drawn By	Checked By
CMC	PM
Project No.	Drawing No.
240718	Figure 7-1-1
Scale	Date
1:45,000	19.03.2026
	
MKO Planning and Environmental Consultants Tuam Road, Galway Ireland, H91 VWS4 +353 (0) 91 735611 email: info@mkoireland.ie Website: ww.mkoireland.ie	

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### Map Legend

-  Survey area
-  EIA Site Boundary
-  Proposed Turbines
-  Survey location

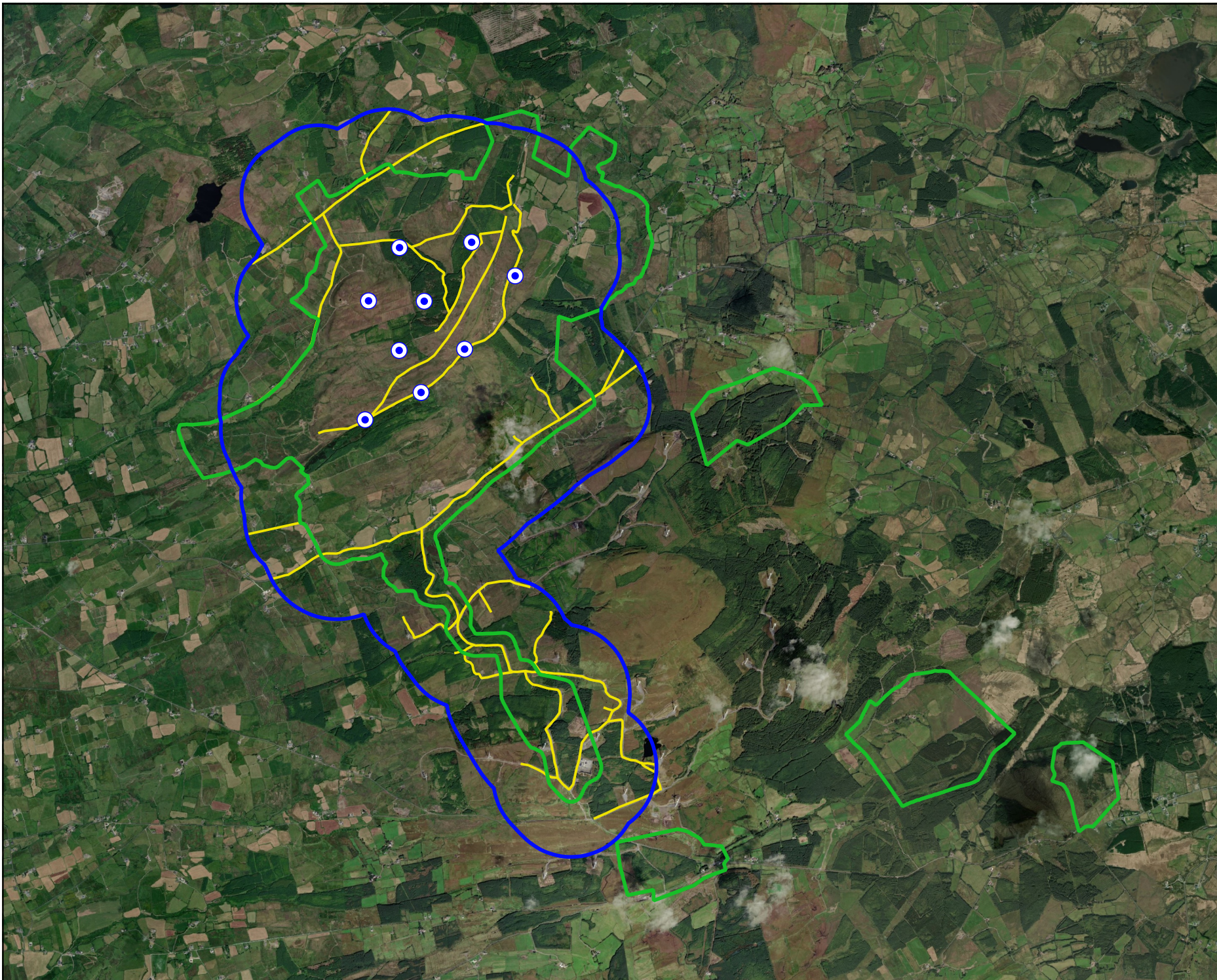


Drawing Title	
Winter Walkover Survey Locations	
Project Title	
Slieveacurry Renewable Energy Development	
Drawn By	Checked By
CMc	PM
Project No.	Drawing No.
240718	Figure 7-1-2
Scale	Date
1:45,000	19.03.2026







MKO  
 Planning and Environmental Consultants  
 Tuam Road, Galway  
 Ireland, H91 VWS4  
 +353 (0) 91 735611  
 email: info@mkoireland.ie  
 Website: ww.mkoireland.ie


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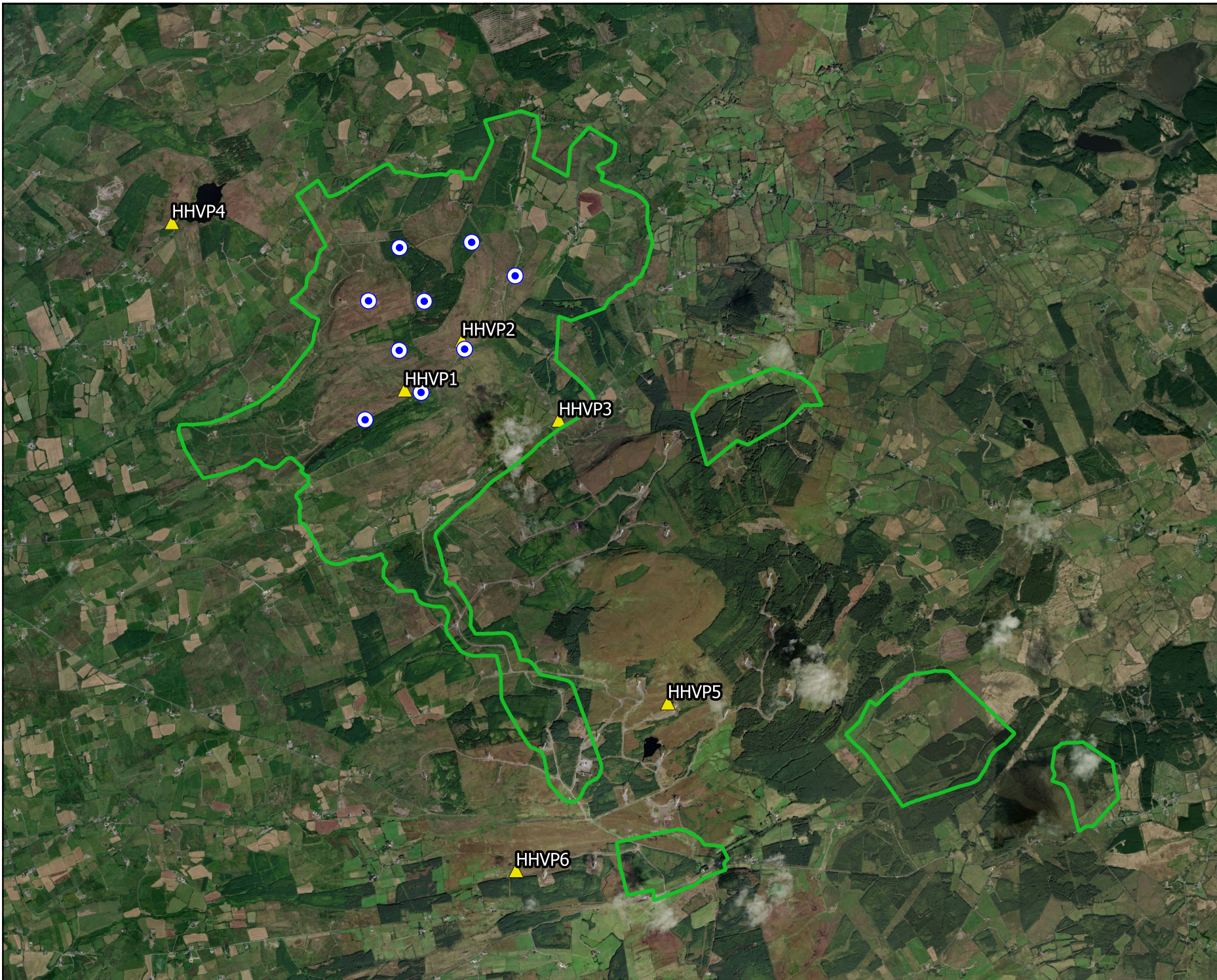
### Map Legend

-  Survey area
-  EIA Site Boundary
-  Proposed Turbines
-  Survey location






Drawing Title	
Breeding Walkover Survey Locations	
Project Title	
Slieveacurry Renewable Energy Development	
Drawn By	Checked By
CMc	PM
Project No.	Drawing No.
240718	Figure 7-1-3
Scale	Date
1:45,000	19.03.2026
	
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### Map Legend

-  EIA Site Boundary
-  Proposed Turbines
-  Survey Location

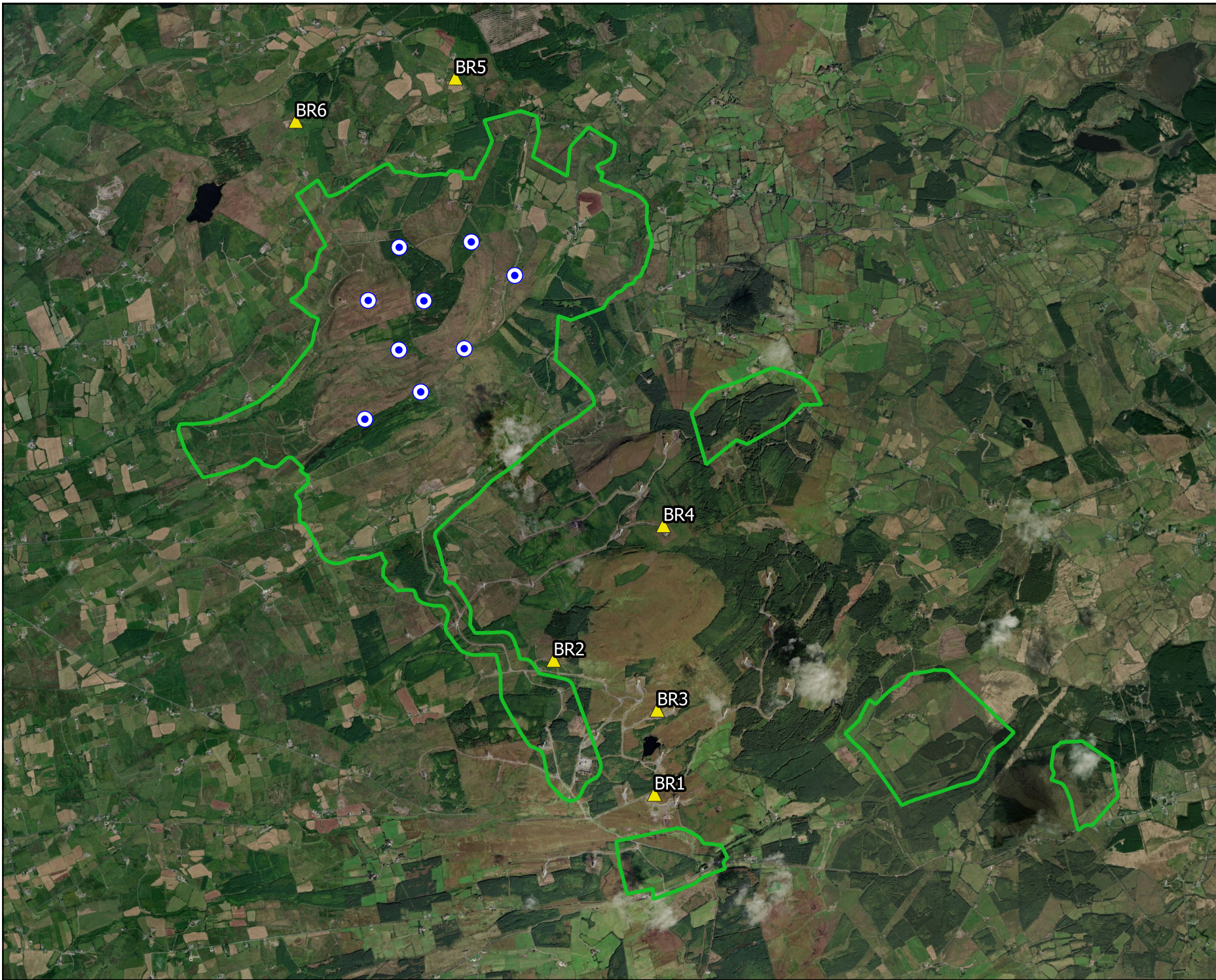


Drawing Title	
Hen Harrier Roost Survey Locations	
Project Title	
Slieveacurry Renewable Energy Development	
Drawn By	Checked By
CMC	PM
Project No.	Drawing No.
240718	Figure 7-1-4
Scale	Date
1:45,000	19.03.2026






MKO  
 Planning and  
 Environmental  
 Consultants  
 Tuam Road, Galway  
 Ireland, H91 VWS8  
 +353 (0) 91 735611  
 email: info@mkoireland.ie  
 Website: ww.mkoireland.ie

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**Map Legend**

-  EIA Site Boundary
-  Proposed Turbines
-  Survey Location

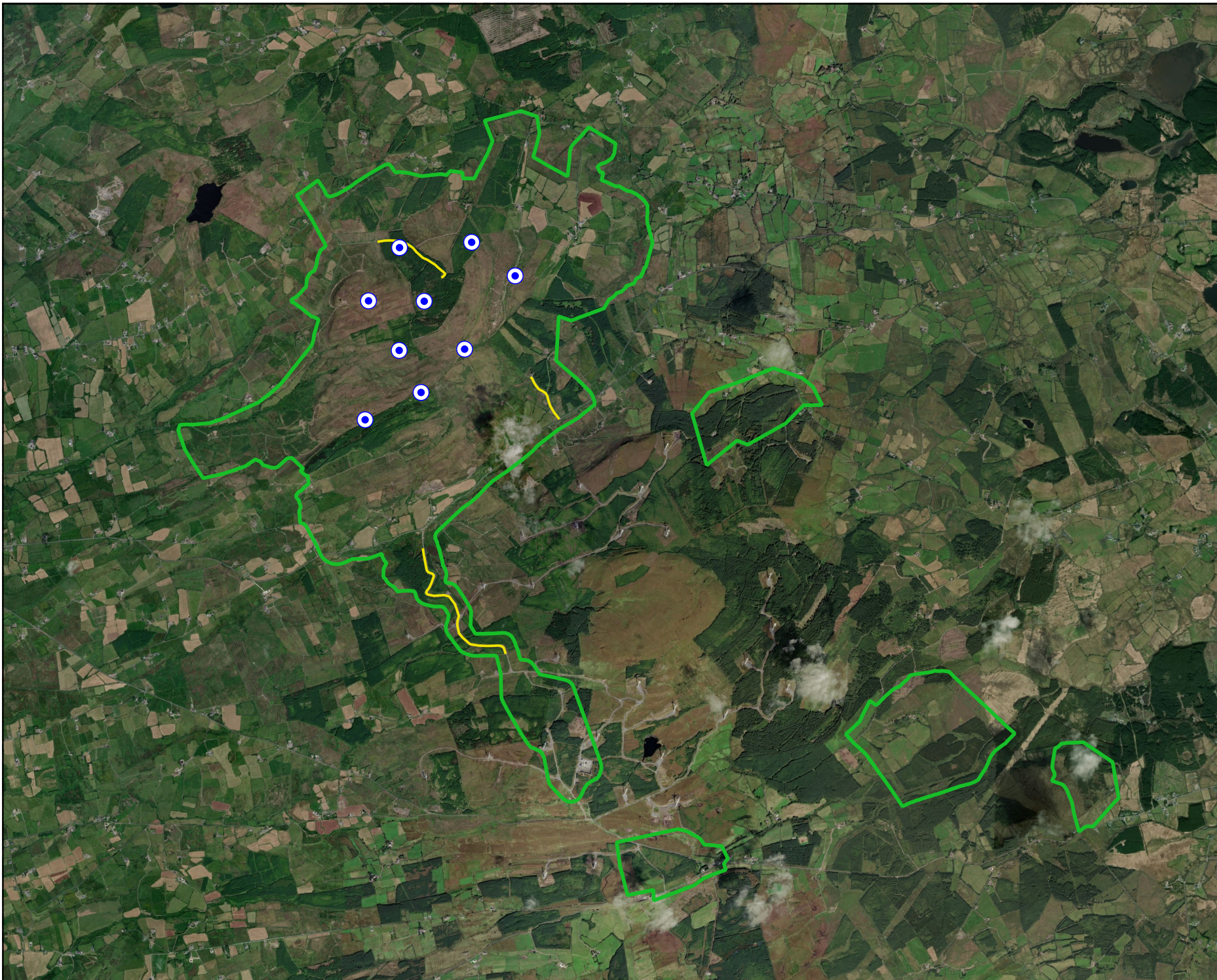


Drawing Title	
<b>Breeding Raptor Survey Locations</b>	
Project Title	
Slieveacurry Renewable Energy Development	
Drawn By	Checked By
CMC	PM
Project No.	Drawing No.
240718	Figure 7-1-5
Scale	Date
1:45,000	19.03.2026



**MKO**  
 Planning and Environmental Consultants  
 Tuam Road, Galway  
 Ireland, H91 VV84  
 +353 (0) 91 735611  
 email: info@mkoireland.ie  
 Website: ww.mkoireland.ie

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### Map Legend

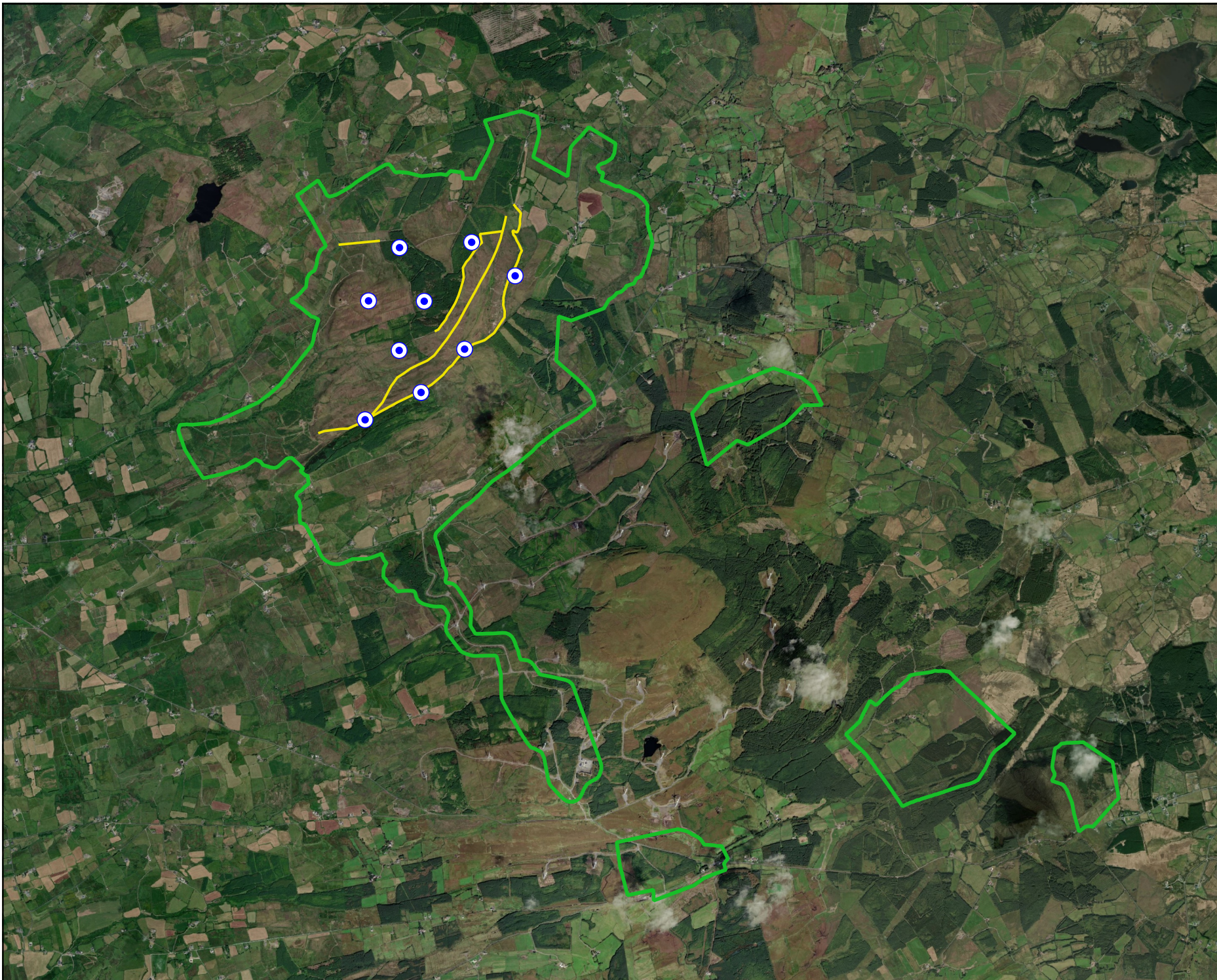
- EIA Site Boundary
- Proposed Turbines
- Survey location



Drawing Title <b>Breeding Woodcock Survey Locations</b>	
Project Title <b>Slieveacurry Renewable Energy Development</b>	
Drawn By <b>CMC</b>	Checked By <b>PM</b>
Project No. <b>240718</b>	Drawing No. <b>Figure 7-1-6</b>
Scale <b>1:45,000</b>	Date <b>19.03.2026</b>

**MKO**  
 Planning and  
 Environmental  
 Consultants  
 Tuam Road, Galway  
 Ireland, H91 VWS4  
 +353 (0) 91 735611  
 email: info@mkoireland.ie  
 Website: ww.mkoireland.ie

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### Map Legend

- E.I.A.R. Site Boundary
- Proposed Turbines
- Survey location



Drawing Title <b>Breeding Red Grouse Survey Locations</b>	
Project Title <b>Slieveacurry Renewable Energy Development</b>	
Drawn By <b>CMc</b>	Checked By <b>PM</b>
Project No. <b>240718</b>	Drawing No. <b>Figure 7-1-7</b>
Scale <b>1:45,000</b>	Date <b>19.03.2026</b>

**MKO**  
 Planning and  
 Environmental  
 Consultants  
 Tuam Road, Galway  
 Ireland, H91 VWS4  
 +353 (0) 91 735611  
 email: info@mkoireland.ie  
 Website: ww.mkoireland.ie

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3. **LICENCES**



Licence No. 09/2021

**NATIONAL PARKS & WILDLIFE SERVICE**

**Wildlife Acts 1976 to 2018 - Section 35**

The Minister for Housing, Local Government and Heritage, in exercise of the powers conferred on the Minister by Section 35 of the Wildlife Acts 1976 to 2018 authorises:

**Applicant:** Ian Hynes/McCarthy Keville O' Sullivan (MKO) Planning & Environmental Consultants

**Address:** Tuam Road, Galway, H91 VW84

**Licencee:** Padraig Cregg - Chris Peppiatt - John Curtin - Tom Ryan

To use a tape-luring device for the birds specified in Column 2 for the purpose of identifying their presence in the area specified in column 3 during the period

**From 16 March 2021 to 31 March 2021**

Subject to the conditions listed overleaf.

**SCHEDULE**

1	2	3
TYPE OF DEVICE	SPECIES	AREA
Tape Lure	<b>Red Grouse</b> <i>(Lagopus lagopus hibernicus)</i>	Surrounding area's at Slieveacurry proposed wind farm. Slieveacurry, Co. Clare.

Dated this the 16 of March 2021

For the Minister for Housing, Local Government and Heritage

*Claire Cowley*



## Conditions

1. This licence shall be produced for inspection on a request being made on that behalf by a member of An Garda Síochána or any person appointed by the Minister for Housing, Local Government and Heritage under Section 72 of the Wildlife Acts 1976 to 2018, to be an authorised person for the purpose of the Acts.
2. This licence may be revoked at any time by the Minister for Housing, Local Government and Heritage.
3. **Note:** Licence must not extend beyond the 31 March 2021.
4. **Note:** Licence only valid to survey at the area stated overleaf.
5. **Note:** License only valid for Licencee named on licence.
6. **Note:** If looking to enter any National Park/Nature Reserve you will need to get a permit (in addition to this licence).
7. **Note:** The applicant must ensure that landowner permission is received to enter onto private land.
8. **Note:** It is the responsibility of the applicant to ensure compliance with any other necessary permits, licences or permissions from the appropriate authorities are in place before undertaking the survey.
9. **Note:** This survey must be conducted according to NPWS/BWI methodology for red grouse fieldwork.
10. **Note:** The playback duration should be sufficiently short so as not to cause undue distress, there should be a limit of 30 seconds playback in each territory holding area.
11. **Note:** Surveying should only be conducted in favourable weather conditions: i.e. no rain, light winds and good visibility.
12. **Note:** NPWS Regional Staff must be contacted prior to the commencement of survey under the terms of this licence. District Conservation Officer: Helen Carthy 087 9152430
13. **Note: (a)** A return of survey results, Should include a map displaying the transects walked, where the tape lure was played and where the birds replied to the calls, no later than the 30<sup>th</sup> May 2021.  
To be forwarded to the Wildlife Licensing Unit ✉ [Wildlifelicence@housing.gov.ie](mailto:Wildlifelicence@housing.gov.ie)  
**(b)** All report(s) must be received by the Wildlife Licensing Unit, for our records, and will then be forwarded onto the Birds Unit and all relevant NPWS Regional Staff.
14. **Note:** Please include a map with each new Section 35 application, with the boundry Outlined and the townland names included on the map, where the survey will be conducted.

**The Licencee must adhere to the measures and restrictions relating to public health on Covid-19**

Any query in relation to this licence should be made to:

Wildlife Licensing Unit  
National Parks and Wildlife Service  
Department of Housing, Local Government and Heritage  
90 North King Street  
Smithfield  
Dublin. D07 N7CV



01 888 3236



[wildlifelicence@housing.gov.ie](mailto:wildlifelicence@housing.gov.ie)





An Roinn Tithíochta,  
Rialtais Áitiúil agus Oidhreachta  
Department of Housing,  
Local Government and Heritage

Licence No. 03/2022

**NATIONAL PARKS & WILDLIFE SERVICE**

**Wildlife Acts 1976 to 2018 - Section 35**

The Minister for Housing, Local Government and Heritage, in exercise of the powers conferred on the Minister by Section 35 of the Wildlife Acts 1976 to 2018 authorises:

**Padraig Cregg, John Curtin, Tom Ryan, Ciaran McKenna, Roisin Towe,  
Sean O'Brien, Jonah Gaine, Brogan Jones,**

**MKO (McCarthy Keville, O'Sullivan), Tuam Road, Galway, H91 VW84**

To use a tape-luring device for the birds specified in Column 2 for the purpose of identifying their presence in the area specified in column 3 during the period

**From 06 January 2022 to 31 March 2022**

[Subject to the conditions listed overleaf.](#)

**SCHEDULE**

1	2	3
TYPE OF DEVICE	SPECIES	AREA
Tape Lure	Red Grouse ( <i>Lagopus lagopus hibernicus</i> )	Proposed Wind Farm Site Slieveacurry, Co. Clare.

Dated this the 06 of January 2022

For the Minister for Housing, Local Government and Heritage



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## Conditions

1. This licence shall be produced for inspection on a request being made on that behalf by a member of An Garda Síochána or any person appointed by the Minister for Housing, Local Government and Heritage under Section 72 of the Wildlife Acts 1976 to 2018, to be an authorised person for the purpose of the Acts.
2. This licence may be revoked at any time by the Minister for Housing, Local Government and Heritage.
3. If looking to enter any National Park/Nature Reserve you will need to get a permit (in addition to this licence).
4. The applicant must ensure that landowner permission is received to enter onto private land.
5. It is the responsibility of the applicant to ensure compliance with any other necessary permits, licences or permissions from the appropriate authorities are in place before undertaking the survey.
6. Local NPWS staff must be contacted when details of your survey plan have been finalised. Local NPWS staff need to discuss the details of your survey to avoid duplicate disturbances during the National Grouse survey. NPWS staff may wish to meet surveyors on-site. Therefore it is required that you give notice of the survey days (minimum 24 hours before) to local NPWS staff (Elaine Keegan, Conservation Ranger 087 2240934 [elaine.keegan@housing.gov.ie](mailto:elaine.keegan@housing.gov.ie))
7. One of the experienced grouse surveyors; Pdraig Cregg or John Curtain must be part of all survey teams.
8. The licensee must follow the standard tape-playback transect methodology and guidance on using the tape-lure, as set out in the Irish Wildlife Manual No. 50 (*i.e.* Cummins *et al.* 2010<sup>1</sup>). The licensee must also adhere to the survey window for using tape-playback methods *i.e.* 1<sup>st</sup> Dec – 31<sup>st</sup> March inclusive.
9. End of survey reports are to be provided by each applicant detailing summary results of all grouse tape-playback surveys for each site surveyed (*including sites where grouse were not recorded*). Ideally, these should be submitted no later than April 30<sup>th</sup> each calendar year at the end of the survey season to this email address: [wildlifelicence@housing.gov.ie](mailto:wildlifelicence@housing.gov.ie)
10. NPWS Regional Staff must be contacted prior to the commencement of survey under the terms of this licence.

### **The Licencee must adhere to the measures and restrictions relating to public health on Covid-19**

**Any query in relation to this licence should be made to:**

**Wildlife Licensing Unit  
National Parks and Wildlife Service  
Department of Housing, Local Government and Heritage  
90 North King Street  
Smithfield  
Dublin. D07 N7CV**



**[wildlifelicence@housing.gov.ie](mailto:wildlifelicence@housing.gov.ie)**

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<sup>1</sup> Cummins, S., Bleasdale, A., Douglas, C., Newton, S., O'Halloran, J. & Wilson, H.J. (2010) The status of Red Grouse in Ireland and the effects of land use, habitat and habitat quality on their distribution. *Irish Wildlife Manuals*, No. 50. National Parks and Wildlife Service, Department of the Environment, Heritage and Local Government, Dublin, Ireland.  
<https://www.npws.ie/sites/default/files/publications/pdf/IWM50.pdf>



An Roinn Tithíochta,  
Rialtais Áitiúil agus Oidhreachta  
Department of Housing,  
Local Government and Heritage

Licence No. 03/2022

**NATIONAL PARKS & WILDLIFE SERVICE**

**Wildlife Acts 1976 to 2018 - Section 35**

The Minister for Housing, Local Government and Heritage, in exercise of the powers conferred on the Minister by Section 35 of the Wildlife Acts 1976 to 2018 authorises:

**Padraig Cregg - John Curtin - Patrick Manley - Peter Capsey - Tom Rae - Jack Kennedy**

**MKO (McCarthy Keville, O'Sullivan), Tuam Road, Galway, H91 VW84**

To use a tape-luring device for the birds specified in Column 2 for the purpose of identifying their presence in the area specified in column 3 during the period

**From 06 January 2022 to 31 March 2022**

Subject to the conditions listed overleaf.

**SCHEDULE**

1	2	3
TYPE OF DEVICE	SPECIES	AREA
Tape Lure	Red Grouse ( <i>Lagopus lagopus hibernicus</i> )	Proposed Wind Farm Site Slieveacurry, Co. Clare.

Dated this the 06 of January 2022

For the Minister for Housing, Local Government and Heritage



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## Conditions

1. This licence shall be produced for inspection on a request being made on that behalf by a member of An Garda Síochána or any person appointed by the Minister for Housing, Local Government and Heritage under Section 72 of the Wildlife Acts 1976 to 2018, to be an authorised person for the purpose of the Acts.
2. This licence may be revoked at any time by the Minister for Housing, Local Government and Heritage.
3. If looking to enter any National Park/Nature Reserve you will need to get a permit (in addition to this licence).
4. The applicant must ensure that landowner permission is received to enter onto private land.
5. It is the responsibility of the applicant to ensure compliance with any other necessary permits, licences or permissions from the appropriate authorities are in place before undertaking the survey.
6. Local NPWS staff must be contacted when details of your survey plan have been finalised. Local NPWS staff need to discuss the details of your survey to avoid duplicate disturbances during the National Grouse survey. NPWS staff may wish to meet surveyors on-site. Therefore it is required that you give notice of the survey days (minimum 24 hours before) to local NPWS staff (Elaine Keegan, Conservation Ranger 087 2240934 [elaine.keegan@housing.gov.ie](mailto:elaine.keegan@housing.gov.ie))
7. One of the experienced grouse surveyors; Pdraig Cregg or John Curtain must be part of all survey teams.
8. The licensee must follow the standard tape-playback transect methodology and guidance on using the tape-lure, as set out in the Irish Wildlife Manual No. 50 (*i.e.* Cummins *et al.* 2010<sup>1</sup>). The licensee must also adhere to the survey window for using tape-playback methods *i.e.* 1<sup>st</sup> Dec – 31<sup>st</sup> March inclusive.
9. End of survey reports are to be provided by each applicant detailing summary results of all grouse tape-playback surveys for each site surveyed (*including sites where grouse were not recorded*). Ideally, these should be submitted no later than April 30<sup>th</sup> each calendar year at the end of the survey season to this email address: [wildlifelicence@housing.gov.ie](mailto:wildlifelicence@housing.gov.ie)
10. NPWS Regional Staff must be contacted prior to the commencement of survey under the terms of this licence.

### **The Licencee must adhere to the measures and restrictions relating to public health on Covid-19**

**Any query in relation to this licence should be made to:**

**Wildlife Licensing Unit  
National Parks and Wildlife Service  
Department of Housing, Local Government and Heritage  
90 North King Street  
Smithfield  
Dublin. D07 N7CV**



**[wildlifelicence@housing.gov.ie](mailto:wildlifelicence@housing.gov.ie)**

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<sup>1</sup> Cummins, S., Bleasdale, A., Douglas, C., Newton, S., O'Halloran, J. & Wilson, H.J. (2010) The status of Red Grouse in Ireland and the effects of land use, habitat and habitat quality on their distribution. *Irish Wildlife Manuals*, No. 50. National Parks and Wildlife Service, Department of the Environment, Heritage and Local Government, Dublin, Ireland.  
<https://www.npws.ie/sites/default/files/publications/pdf/IWM50.pdf>



An Roinn Tithíochta,  
Rialtais Áitiúil agus Oidhreacht  
Department of Housing,  
Local Government and Heritage

Licence No. 090/2023

**NATIONAL PARKS & WILDLIFE SERVICE**

**Wildlife Acts 1976 to 2018 - Section 35**

Minister for Housing Local Government and Heritage, in exercise of the powers conferred on the Minister by Section 35 of the Wildlife Acts 1976 to 2018 authorises:

**PADRAIG CREGG, Tom Rea, Jonah Gain  
MKO, Tuam Road, Co Galway, H91 VW84**

To use the means specified in column 1 for to assist in the management of the species specified in Column 2  
**TO ASSESS THE DISTRIBUTION OF RED GROUSE (LAGOPUS LAGOPUS) AT THE SURROUNDING AREAS AT SLIEVACURRY  
PROPOSED WINDFARM IN CO. CORK**  
in the area's specified in column 3 during the period **30 November 2023  
to 31 March 2024**

**Subject to the conditions listed overleaf.**

**SCHEDULE**

1 TYPE OF DEVICE	2 SPECIES	3 AREA
Tape Lure	Red Grouse (LAGOPUS LAGOPUS)	SLIEVACURRY, MILTOWN MALBAY, COUNTY CLARE

Dated 30 November 2023

For the Minister for Housing Local Government and Heritage

*Claire Crowley*

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## Conditions

1. This licence shall be produced for inspection on a request being made on that behalf by a member of An Garda Síochána or any person appointed by the Minister for Housing, Local Government and Heritage, under Section 72 of the Wildlife Acts 1976 to 2018, to be an authorised person for the purpose of the Acts.
2. This licence may be revoked at any time by the Minister.
3. **Note:** This licence is valid only for licensee stated overleaf.
4. **Note:** This licence **does not permit** the applicant the right to enter to cross over or to shoot over any land(s) without the landowner's permission.
5. **Note:** This licence **does not permit** the use of mechanically propelled, electrical or battery operated decoys.
6. **Note:** This licence **does not permit** the use of Hawk or Owl decoys.
7. **Note:** NPWS Officers may carry-out spot checks on the exercise of this licence and the licence holder will be deemed to have agreed to this by virtue of having accepted this licence.
8. **Note:** All hunting and trapping of predators must be by recognised humane methods and be in full accordance with provisions of the Wildlife Acts 1976 and 2018.
9. **Note: (a)** The use of cage traps is allowed as a control method for certain species. Any traps used must comply with the relevant traps and snares regulations, (Wildlife Act 1976 (Approved Traps, Snares and Nets) Regulations 2003, and Section 35(5) of the Wildlife Act. **(b)** Where a live wild bird is used as a decoy it is necessary to ensure that the live decoy bird may only be used to hunt birds of the same species and that the live decoy bird must be regularly provided with ample food and water and that when caged must only be kept in a cage which is of sufficient dimensions to enable the bird to move and exercise freely.
10. Any query in relation to this licence should be emailed to:

[wildlifelicence@npws.gov.ie](mailto:wildlifelicence@npws.gov.ie)





An Roinn Tithíochta,  
Rialtais Áitiúil agus Oidhreachta  
Department of Housing,  
Local Government and Heritage

Licence No. 012/2023

**NATIONAL PARKS & WILDLIFE SERVICE**

**Wildlife Acts 1976 to 2018 - Section 35**

The Minister for Housing, Local Government and Heritage, in exercise of the powers conferred on the Minister by Section 35 of the Wildlife Acts 1976 to 2018 authorises:

**Padraig Cregg - John Curtin - Patrick Manley - Peter Capsey - Tom Rae – Jonah Gaine –  
Zuzana Erosova – Conor Geoghan – Zak O'Connor**

**MKO (McCarthy Keville, O'Sullivan), Tuam Road, Galway, H91 VW84**

To use a tape-luring device for the birds specified in Column 2 for the purpose of identifying their presence in the area specified in column 3 during the period

**From 31 January 2023 to 31 March 2023**

[Subject to the conditions listed overleaf.](#)

**SCHEDULE**

1	2	3
TYPE OF DEVICE	SPECIES	AREA
Tape Lure	Red Grouse ( <i>Lagopus lagopus</i> )	Proposed Wind Farm Site Slieveacurry, Co. Clare.

Dated 31 January 2023

For the Minister for Housing, Local Government and Heritage



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## Conditions

1. This licence shall be produced for inspection on a request being made on that behalf by a member of An Garda Síochána or any person appointed by the Minister for Housing, Local Government and Heritage under Section 72 of the Wildlife Acts 1976 to 2018, to be an authorised person for the purpose of the Acts.
2. This licence may be revoked at any time by the Minister for Housing, Local Government and Heritage.
3. If looking to enter any National Park/Nature Reserve you will need to get a permit (in addition to this licence).
4. The applicant must ensure that landowner permission is received to enter onto private land.
5. It is the responsibility of the applicant to ensure compliance with any other necessary permits, licences or permissions from the appropriate authorities are in place before undertaking the survey.
6. Local NPWS staff must be contacted when details of your survey plan have been finalised. Local NPWS staff need to discuss the details of your survey to avoid duplicate disturbances during the National Grouse survey. NPWS staff may wish to meet surveyors on-site. Therefore it is required that you give notice of the survey days (minimum 24 hours before) to local NPWS staff (Elaine Keegan, Conservation Ranger 087 2240934 [elaine.keegan@housing.gov.ie](mailto:elaine.keegan@housing.gov.ie))
7. One of the experienced grouse surveyors; Pdraig Cregg or John Curtain must be part of all survey teams.
8. The licensee must follow the standard tape-playback transect methodology and guidance on using the tape-lure, as set out in the Irish Wildlife Manual No. 50 (*i.e.* Cummins *et al.* 2010<sup>1</sup>). The licensee must also adhere to the survey window for using tape-playback methods *i.e.* 1<sup>st</sup> Dec – 31<sup>st</sup> March inclusive.
9. End of survey reports are to be provided by each applicant detailing summary results of all grouse tape-playback surveys for each site surveyed (*including sites where grouse were not recorded*). Ideally, these should be submitted no later than April 30<sup>th</sup> each calendar year at the end of the survey season to this email address: [wildlifelicence@npws.gov.ie](mailto:wildlifelicence@npws.gov.ie)
10. NPWS Regional Staff must be contacted prior to the commencement of survey under the terms of this licence.

**Any query in relation to this licence should be made to:**



[wildlifelicence@npws.gov.ie](mailto:wildlifelicence@npws.gov.ie)

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<sup>1</sup> Cummins, S., Bleasdale, A., Douglas, C., Newton, S., O'Halloran, J. & Wilson, H.J. (2010) The status of Red Grouse in Ireland and the effects of land use, habitat and habitat quality on their distribution. *Irish Wildlife Manuals*, No. 50. National Parks and Wildlife Service, Department of the Environment, Heritage and Local Government, Dublin, Ireland.  
<https://www.npws.ie/sites/default/files/publications/pdf/IWM50.pdf>



An Roinn Tithíochta,  
Rialtais Áitiúil agus Oidhreacht  
Department of Housing,  
Local Government and Heritage

Licence No. 011/2025

**NATIONAL PARKS & WILDLIFE SERVICE**

**Wildlife Acts 1976 to 2018 - Section 35**

Minister for Housing Local Government and Heritage, in exercise of the powers conferred on the Minister by Section 35 of the Wildlife Acts 1976 to 2018 authorises:

**Applicant: Padraig Cregg, Tom Rea, Eoghan Phelan, Zak O'Connor**

**Address: MKO  
Tuam Road  
Co Galway**

To use the means specified in column 1 for to assist in the management of the species specified in Column 2  
**To assess the disturbance of Red Grouse at the Slieveacurry Proposed windfarm**

in the area's specified in column 3 during the period from the  
**04 March 2025 to 31 March 2025**

**Subject to the conditions listed overleaf.**

**SCHEDULE**

1 TYPE OF DEVICE	2 SPECIES	3 AREA
Tape Lure	Red Grouse	Clieveacurry Co Clare

**Dated 4 March 2025**

**For the Minister for Housing Local Government and Heritage**

*Claire Bowley*

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## **Conditions**

1. This licence shall be produced for inspection on a request being made on that behalf by a member of An Garda Síochána or any person appointed by the Minister for Housing, Local Government and Heritage, under Section 72 of the Wildlife Acts 1976 to 2018, to be an authorised person for the purpose of the Acts.
2. **It is an offence under Section 69(6) of the Wildlife Acts to contravene a condition, attached to a licence or permission, granted by the Minister**
3. This licence may be revoked at any time by the Minister.
4. This licence does not permit the applicant the right to enter or cross over any land(s) without the landowner's permission.
5. Lure should be used to complement (not replace) other survey methods.
6. NPWS Officers may carry-out spot checks on the exercise of this licence and the licence holder will be deemed to have agreed to this by virtue of having accepted this licence.

**Note: (a)** The use of cage traps is allowed as a control method for certain species. Any traps used must comply with the relevant traps and snares regulations, (Wildlife Act 1976 (Approved Traps, Snares and Nets) Regulations 2003, and Section 35(5) of the Wildlife Act.

Any query in relation to this licence should be emailed to:

[wildlifelicence@npws.gov.ie](mailto:wildlifelicence@npws.gov.ie)

