

RECEIVED: 09/07/2025



APPENDIX 7-2

SURVEY EFFORT



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SURVEY EFFORT

Table 7- 2- 1 Vantage point survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
22/10/2021	Vantage Point Survey	VP1	3:00 starting at 06:50	Visibility: good; Wind speed and direction: light breeze WSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	mild, excellent conditions	AM
22/10/2021	Vantage Point Survey	VP2	3:00 starting at 16:00	Visibility: good; Wind speed and direction: calm WSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
28/10/2021	Vantage Point Survey	VP2	3:00 starting at 07:25	Visibility: moderate; Wind speed and direction: calm S; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none	very wet until cleared 09:30	AM
28/10/2021	Vantage Point Survey	VP1	3:00 starting at 15:45	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none	mostly dry, clear	AM
04/11/2021	Vantage Point Survey	VP1	3:00 starting at 11:25	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none	dry, sunny, light frost	AM
04/11/2021	Vantage Point Survey	VP2	3:00 starting at 14:55	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	light misty rain	AM
15/11/2021	Vantage Point Survey	VP2	3:00 starting at 11:00	Visibility: good; Wind speed and direction: calm SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	mild, calm	AM
15/11/2021	Vantage Point Survey	VP1	3:00 starting at 14:30	Visibility: good; Wind speed and direction: calm SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	mild, calm	AM
10/12/2021	Vantage Point Survey	VP1	3:00 starting at 07:50	Visibility: good; Wind speed and direction: calm W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none	light frost, icy	AM
10/12/2021	Vantage Point Survey	VP1	3:00 starting at 11:20	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
17/12/2021	Vantage Point Survey	VP2	3:00 starting at 07:40	Visibility: good; Wind speed and direction: light air ESE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	cool, dry	AM
17/12/2021	Vantage Point Survey	VP2	3:00 starting at 11:10	Visibility: good; Wind speed and direction: gentle breeze ESE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
10/01/2022	Vantage Point Survey	VP2	3:00 starting at 10:55	Visibility: good; Wind speed and direction: calm ESE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	very mild	AM
10/01/2022	Vantage Point Survey	VP2	3:00 starting at 14:25	Visibility: good; Wind speed and direction: calm ESE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	very mild	AM
17/01/2022	Vantage Point Survey	VP1	3:00 starting at 11:10	Visibility: good; Wind speed and direction: gentle breeze ESE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		AM
17/01/2022	Vantage Point Survey	VP1	3:00 starting at 14:40	Visibility: good; Wind speed and direction: light breeze ESE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: light; Snow: none		AM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
02/02/2022	Vantage Point Survey	VP1	3:00 starting at 07:25	Visibility: moderate; Wind speed and direction: calm ESE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	mild, calm, dry	AM
02/02/2022	Vantage Point Survey	VP1	3:00 starting at 10:55	Visibility: good; Wind speed and direction: calm ESE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
01/03/2022	Vantage Point Survey	VP1	3:00 starting at 12:35	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		AM
01/03/2022	Vantage Point Survey	VP1	3:00 starting at 16:05	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
15/03/2022	Vantage Point Survey	VP2	3:00 starting at 12:45	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		AM
15/03/2022	Vantage Point Survey	VP2	3:00 starting at 16:15	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		AM
21/02/2022	Vantage Point Survey	VP2	3:00 starting at 06:50	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
21/02/2022	Vantage Point Survey	VP2	3:00 starting at 09:50	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AM
18/04/2022	Vantage Point Survey	VP1	1:00 starting at 06:00	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
18/04/2022	Vantage Point Survey	VP1	1:00 starting at 07:00	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	5 lesser black-backed gulls flying over	TK
18/04/2022	Vantage Point Survey	VP1	1:00 starting at 08:00	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none	Kestrel hunting	TK
18/04/2022	Vantage Point Survey	VP2	1:00 starting at 10:00	Visibility: moderate; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		TK
18/04/2022	Vantage Point Survey	VP2	1:00 starting at 11:00	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		TK
18/04/2022	Vantage Point Survey	VP2	1:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none	No target species seen from VP2	TK
06/05/2022	Vantage Point Survey	VP2	1:00 starting at 14:30	Visibility: good; Wind speed and direction: gentle breeze W ; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		GH
06/05/2022	Vantage Point Survey	VP2	1:00 starting at 15:30	Visibility: good; Wind speed and direction: gentle breeze W ; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		GH
06/05/2022	Vantage Point Survey	VP2	1:00 starting at 16:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
06/05/2022	Vantage Point Survey	VP1	1:00 starting at 18:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
06/05/2022	Vantage Point Survey	VP1	1:00 starting at 19:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
06/05/2022	Vantage Point Survey	VP1	1:00 starting at 20:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
05/07/2022	Vantage Point Survey	VP2	1:00 starting at 10:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
05/07/2022	Vantage Point Survey	VP2	1:00 starting at 11:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
05/07/2022	Vantage Point Survey	VP2	1:00 starting at 12:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
05/07/2022	Vantage Point Survey	VP2	1:00 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		GH
05/07/2022	Vantage Point Survey	VP2	1:00 starting at 15:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
05/07/2022	Vantage Point Survey	VP2	1:00 starting at 16:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
07/07/2022	Vantage Point Survey	VP1	1:00 starting at 06:10	Visibility: limited; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		GH
07/07/2022	Vantage Point Survey	VP1	1:00 starting at 07:10	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
07/07/2022	Vantage Point Survey	VP1	1:00 starting at 08:10	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
07/07/2022	Vantage Point Survey	VP1	1:00 starting at 10:10	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		GH
07/07/2022	Vantage Point Survey	VP1	1:00 starting at 11:10	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		GH
07/07/2022	Vantage Point Survey	VP1	1:00 starting at 12:10	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		GH
16/07/2022	Vantage Point Survey	VP2	1:00 starting at 08:00	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
16/07/2022	Vantage Point Survey	VP2	1:00 starting at 09:00	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
16/07/2022	Vantage Point Survey	VP2	1:00 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
16/07/2022	Vantage Point Survey	VP1	1:00 starting at 11:30	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
16/07/2022	Vantage Point Survey	VP1	1:00 starting at 12:30	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
16/07/2022	Vantage Point Survey	VP1	1:00 starting at 13:30	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
24/08/2022	Vantage Point Survey	VP1	3:00 starting at 08:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
24/08/2022	Vantage Point Survey	VP1	3:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
24/08/2022	Vantage Point Survey	VP1	3:00 starting at 15:30	Visibility: good; Wind speed and direction: gentle breeze WSW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		KW
25/08/2022	Vantage Point Survey	VP1	3:00 starting at 08:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
25/08/2022	Vantage Point Survey	VP1	3:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
25/08/2022	Vantage Point Survey	VP2	3:00 starting at 15:30	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
26/08/2022	Vantage Point Survey	VP2	3:00 starting at 13:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
26/08/2022	Vantage Point Survey	VP2	3:00 starting at 16:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
27/08/2022	Vantage Point Survey	VP2	3:00 starting at 14:15	Visibility: good; Wind speed and direction: light air E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		KW
28/08/2022	Vantage Point Survey	VP2	3:00 starting at 14:15	Visibility: good; Wind speed and direction: light air E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
07/09/2022	Vantage Point Survey	VP1	3:00 starting at 14:35	Visibility: good; Wind speed and direction: fresh breeze SSE; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		CB
07/09/2022	Vantage Point Survey	VP1	3:00 starting at 18:05	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		CB
09/09/2022	Vantage Point Survey	VP2	3:00 starting at 14:30	Visibility: good; Wind speed and direction: light breeze WNW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		CB
09/09/2022	Vantage Point Survey	VP2	3:00 starting at 18:00	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		CB
19/10/2022	Vantage Point Survey	VP2	3:00 starting at 07:05	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
19/10/2022	Vantage Point Survey	VP2	3:00 starting at 10:35	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
22/10/2022	Vantage Point Survey	VP1	3:00 starting at 07:10	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		KW
22/10/2022	Vantage Point Survey	VP1	3:00 starting at 10:40	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		KW
08/11/2022	Vantage Point Survey	VP1	3:00 starting at 11:15	Visibility: moderate; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		KW
08/11/2022	Vantage Point Survey	VP1	3:00 starting at 14:45	Visibility: moderate; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		KW
09/11/2022	Vantage Point Survey	VP2	3:00 starting at 11:15	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
09/11/2022	Vantage Point Survey	VP2	3:00 starting at 14:45	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
12/12/2022	Vantage Point Survey	VP2	3:00 starting at 07:40	Visibility: poor; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	fog	KW
12/12/2022	Vantage Point Survey	VP2	3:00 starting at 11:10	Visibility: poor; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	fog	KW
23/12/2022	Vantage Point Survey	VP1	3:00 starting at 07:40	Visibility: poor; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		KW
23/12/2022	Vantage Point Survey	VP1	3:00 starting at 11:10	Visibility: poor; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		KW
05/01/2023	Vantage Point Survey	VP2	3:00 starting at 11:00	Visibility: poor; Wind speed and direction: moderate breeze SSW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: light; Snow: none		KW
05/01/2023	Vantage Point Survey	VP2	3:00 starting at 14:30	Visibility: poor; Wind speed and direction: moderate breeze SSW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: light; Snow: none		KW
12/01/2023	Vantage Point Survey	VP1	3:00 starting at 11:05	Visibility: moderate; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	haze	KW
12/01/2023	Vantage Point Survey	VP1	3:00 starting at 14:35	Visibility: moderate; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	haze	KW
09/02/2023	Vantage Point Survey	VP1	3:00 starting at 07:00	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	glare + haze	KW
09/02/2023	Vantage Point Survey	VP1	3:00 starting at 10:30	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	glare + haze	KW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
13/02/2023	Vantage Point Survey	VP2	3:00 starting at 06:50	Visibility: moderate; Wind speed and direction: fresh breeze SSE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
13/02/2023	Vantage Point Survey	VP2	3:00 starting at 10:20	Visibility: moderate; Wind speed and direction: fresh breeze SSE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
20/03/2023	Vantage Point Survey	VP1	3:00 starting at 13:10	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
20/03/2023	Vantage Point Survey	VP1	3:00 starting at 16:40	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
21/03/2023	Vantage Point Survey	VP2	3:00 starting at 13:10	Visibility: moderate; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		KW
21/03/2023	Vantage Point Survey	VP2	3:00 starting at 16:40	Visibility: moderate; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: persistent; Frost: none; Snow: none		KW
03/04/2023	Vantage Point Survey	VP1	1:00 starting at 06:30	Visibility: good; Wind speed and direction: light breeze SSE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
03/04/2023	Vantage Point Survey	VP1	1:00 starting at 07:30	Visibility: good; Wind speed and direction: light breeze SSE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
03/04/2023	Vantage Point Survey	VP1	1:00 starting at 08:30	Visibility: good; Wind speed and direction: gentle breeze SSE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
03/04/2023	Vantage Point Survey	VP1	1:00 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze SSE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
03/04/2023	Vantage Point Survey	VP1	1:00 starting at 11:00	Visibility: good; Wind speed and direction: gentle breeze SSE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
03/04/2023	Vantage Point Survey	VP1	1:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze SSE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
11/05/2023	Vantage Point Survey	VP2	3:00 starting at 15:05	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	mild, cloudy, light-mod breeze	AM
11/05/2023	Vantage Point Survey	VP2	3:00 starting at 18:35	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AM
26/05/2023	Vantage Point Survey	VP1	3:00 starting at 15:25	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none	warm, sunny, light to mod winds	AM
26/05/2023	Vantage Point Survey	VP1	3:00 starting at 18:55	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
12/06/2023	Vantage Point Survey	VP1	3:00 starting at 11:00	Visibility: moderate; Wind speed and direction: gentle breeze ENE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	haze & mist	KW



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
12/06/2023	Vantage Point Survey	VP1	3:00 starting at 14:30	Visibility: moderate; Wind speed and direction: gentle breeze ENE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	haze & mist	KW
21/06/2023	Vantage Point Survey	VP2	3:00 starting at 09:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
21/06/2023	Vantage Point Survey	VP2	3:00 starting at 12:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
07/07/2023	Vantage Point Survey	VP1	3:00 starting at 08:45	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
07/07/2023	Vantage Point Survey	VP1	3:00 starting at 12:15	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
17/07/2023	Vantage Point Survey	VP2	3:00 starting at 07:00	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		KW
17/07/2023	Vantage Point Survey	VP2	3:00 starting at 10:30	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		KW
15/08/2023	Vantage Point Survey	VP2	3:00 starting at 08:15	Visibility: moderate; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		KW
15/08/2023	Vantage Point Survey	VP2	3:00 starting at 11:45	Visibility: moderate; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		KW
18/08/2023	Vantage Point Survey	VP1	3:00 starting at 05:15	Visibility: moderate; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	dawn VP	KW
18/08/2023	Vantage Point Survey	VP1	3:00 starting at 08:45	Visibility: moderate; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	dawn VP	KW
21/08/2023	Vantage Point Survey	VP2	3:00 starting at 10:45	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		KW
21/08/2023	Vantage Point Survey	VP2	3:00 starting at 14:15	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		KW
20/09/2023	Vantage Point Survey	VP2	3:00 starting at 08:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
20/09/2023	Vantage Point Survey	VP2	3:00 starting at 11:30	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
23/09/2023	Vantage Point Survey	VP1	3:00 starting at 09:00	Visibility: moderate; Wind speed and direction: strong breeze SSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	partial fog covering lower valley	KW



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
23/09/2023	Vantage Point Survey	VP1	3:00 starting at 12:30	Visibility: moderate; Wind speed and direction: strong breeze SSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	partial fog covering lower valley	KW

RECEIVED: 09/07/2025

Table 7 - 2 - 2 Breeding walkover survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
09/04/2022	Breeding Walkover Survey	T1	1:00 starting at 09:30	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
09/04/2022	Breeding Walkover Survey	T3	1:00 starting at 10:30	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
09/04/2022	Breeding Walkover Survey	T3	1:00 starting at 11:30	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
09/04/2022	Breeding Walkover Survey	T3	1:00 starting at 14:00	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
09/04/2022	Breeding Walkover Survey	T3	1:00 starting at 15:00	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
09/04/2022	Breeding Walkover Survey	T1	1:00 starting at 16:00	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
13/04/2022	Breeding Walkover Survey	T2	1:00 starting at 09:30	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
13/04/2022	Breeding Walkover Survey	T2	1:00 starting at 10:30	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
13/04/2022	Breeding Walkover Survey	T2	1:00 starting at 11:30	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	different access point	GH
13/04/2022	Breeding Walkover Survey	T3	1:00 starting at 13:00	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		GH
13/04/2022	Breeding Walkover Survey	T3	1:00 starting at 14:00	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		GH
13/04/2022	Breeding Walkover Survey	T3	1:00 starting at 15:00	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	different access point	GH
02/05/2022	Breeding Walkover Survey	T1	1:00 starting at 09:30	Visibility: good; Wind speed and direction: light air N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
02/05/2022	Breeding Walkover Survey	T1	1:00 starting at 10:30	Visibility: good; Wind speed and direction: light air N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
02/05/2022	Breeding Walkover Survey	T1	1:00 starting at 11:30	Visibility: good; Wind speed and direction: light air N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
02/05/2022	Breeding Walkover Survey	T3	1:00 starting at 13:00	Visibility: good; Wind speed and direction: calm N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
02/05/2022	Breeding Walkover Survey	T3	1:00 starting at 14:00	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
02/05/2022	Breeding Walkover Survey	T3	1:00 starting at 15:00	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
08/05/2022	Breeding Walkover Survey	T2	1:00 starting at 08:30	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
08/05/2022	Breeding Walkover Survey	T2	1:00 starting at 09:30	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
08/05/2022	Breeding Walkover Survey	T2	1:00 starting at 10:30	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
08/05/2022	Breeding Walkover Survey	T2	1:00 starting at 12:00	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
08/05/2022	Breeding Walkover Survey	T2	1:00 starting at 13:00	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
08/05/2022	Breeding Walkover Survey	T3	1:00 starting at 14:00	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
06/07/2022	Breeding Walkover Survey	T1	1:00 starting at 06:20	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
06/07/2022	Breeding Walkover Survey	T1	1:00 starting at 07:20	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
06/07/2022	Breeding Walkover Survey	T1	1:00 starting at 08:20	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
06/07/2022	Breeding Walkover Survey	T3	1:00 starting at 10:20	Visibility: good; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
06/07/2022	Breeding Walkover Survey	T3	1:00 starting at 11:20	Visibility: good; Wind speed and direction: strong breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		GH
06/07/2022	Breeding Walkover Survey	T3	1:00 starting at 12:20	Visibility: good; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		GH
08/07/2022	Breeding Walkover Survey	T2	1:00 starting at 08:45	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		GH
08/07/2022	Breeding Walkover Survey	T2	1:00 starting at 09:45	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		GH
08/07/2022	Breeding Walkover Survey	T2	1:00 starting at 10:45	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		GH
08/07/2022	Breeding Walkover Survey	T2	1:00 starting at 12:15	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
08/07/2022	Breeding Walkover Survey	T2	1:00 starting at 13:15	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
08/07/2022	Breeding Walkover Survey	T2	1:00 starting at 14:15	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
17/07/2022	Breeding Walkover Survey	T1	1:00 starting at 08:10	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		GH
17/07/2022	Breeding Walkover Survey	T1	1:00 starting at 09:10	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		GH

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
17/07/2022	Breeding Walkover Survey	T1	1:00 starting at 10:10	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		GH
17/07/2022	Breeding Walkover Survey	T3	1:00 starting at 11:40	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
17/07/2022	Breeding Walkover Survey	T3	1:00 starting at 12:40	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
17/07/2022	Breeding Walkover Survey	T3	1:00 starting at 13:40	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
18/07/2022	Breeding Walkover Survey	T2	1:00 starting at 05:40	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
18/07/2022	Breeding Walkover Survey	T2	1:00 starting at 06:40	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
18/07/2022	Breeding Walkover Survey	T2	1:00 starting at 07:40	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
18/07/2022	Breeding Walkover Survey	T2	1:00 starting at 09:40	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
18/07/2022	Breeding Walkover Survey	T2	1:00 starting at 10:40	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
18/07/2022	Breeding Walkover Survey	T2	1:00 starting at 11:40	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		GH
16/04/2023	Breeding Walkover Survey	T1	1:00 starting at 08:15	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
16/04/2023	Breeding Walkover Survey	T1	0:50 starting at 09:15	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
16/04/2023	Breeding Walkover Survey	T2	1:00 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		TK
16/04/2023	Breeding Walkover Survey	T2	1:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
16/04/2023	Breeding Walkover Survey	T2	0:35 starting at 13:00	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
18/04/2023	Breeding Walkover Survey	T3	1:00 starting at 08:40	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
18/04/2023	Breeding Walkover Survey	T3	1:00 starting at 09:40	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
18/04/2023	Breeding Walkover Survey	T3	1:30 starting at 10:40	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
08/05/2023	Breeding Walkover Survey	500m Survey Radius	6:25 starting at 08:10	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	mild (17 degrees) humid but dry in morning	AM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
25/05/2023	Breeding Walkover Survey	500m Survey Radius	7:20 starting at 09:05	Visibility: good; Wind speed and direction: moderate breeze N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	warm (19-20C), sunny, dry	AM
16/06/2023	Breeding Walkover Survey	T1	2:05 starting at 09:40	Visibility: good; Wind speed and direction: gentle breeze SSE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	warm, misty	AM
16/06/2023	Breeding Walkover Survey	T3a	2:05 starting at 12:50	Visibility: good; Wind speed and direction: moderate breeze SSE; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	mild (19 degrees)	AM
16/06/2023	Breeding Walkover Survey	T3b	1:20 starting at 15:35	Visibility: good; Wind speed and direction: gentle breeze SSE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AM
29/06/2023	Breeding Walkover Survey	T3	2:25 starting at 08:10	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	mild (18C), dry sunny	AM
29/06/2023	Breeding Walkover Survey	T2	2:35 starting at 11:15	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
29/06/2023	Breeding Walkover Survey	T1	1:10 starting at 14:25	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
19/07/2023	Breeding Walkover Survey	T1	1:05 starting at 07:50	Visibility: good; Wind speed and direction: light breeze WNW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	warm, 18-19 degrees, dry	AM
19/07/2023	Breeding Walkover Survey	T3a	2:30 starting at 10:25	Visibility: good; Wind speed and direction: moderate breeze WNW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AM
19/07/2023	Breeding Walkover Survey	T3b	1:40 starting at 13:45	Visibility: good; Wind speed and direction: fresh breeze WNW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AM
26/07/2023	Breeding Walkover Survey	T2	1:35 starting at 08:40	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none	warm, humid, rain showers	AM
26/07/2023	Breeding Walkover Survey	T3	1:35 starting at 10:20	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		AM
26/07/2023	Breeding Walkover Survey	T1	1:55 starting at 13:10	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		AM

Table 7 - 2 - 3 Breeding raptor survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
20/04/2022	Breeding Raptor Survey	BR1	1:00 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze SSW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	Winds variable SSW-SE	AR
20/04/2022	Breeding Raptor Survey	BR1	1:00 starting at 11:00	Visibility: good; Wind speed and direction: gentle breeze SSW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AR
20/04/2022	Breeding Raptor Survey	BR1	1:00 starting at 12:00	Visibility: good; Wind speed and direction: fresh breeze ENE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AR
20/04/2022	Breeding Raptor Survey	BR1	1:00 starting at 13:30	Visibility: good; Wind speed and direction: fresh breeze ESE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AR
20/04/2022	Breeding Raptor Survey	BR1	1:00 starting at 14:30	Visibility: good; Wind speed and direction: fresh breeze ESE; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		AR
20/04/2022	Breeding Raptor Survey	BR1	1:00 starting at 15:30	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AR
21/04/2022	Breeding Raptor Survey	BR2	1:00 starting at 07:00	Visibility: good; Wind speed and direction: moderate breeze ENE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AR
21/04/2022	Breeding Raptor Survey	BR2	1:00 starting at 08:00	Visibility: good; Wind speed and direction: gentle breeze ENE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AR
21/04/2022	Breeding Raptor Survey	BR2	1:00 starting at 09:00	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AR
21/04/2022	Breeding Raptor Survey	BR2	1:00 starting at 10:30	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AR
21/04/2022	Breeding Raptor Survey	BR2	1:00 starting at 11:30	Visibility: good; Wind speed and direction: moderate breeze ESE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AR
21/04/2022	Breeding Raptor Survey	BR2	1:00 starting at 12:30	Visibility: good; Wind speed and direction: moderate breeze ESE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AR
22/04/2022	Breeding Raptor Survey	5km Survey Radius	1:00 starting at 07:00	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AR
22/04/2022	Breeding Raptor Survey	5km Survey Radius	1:00 starting at 08:00	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AR
22/04/2022	Breeding Raptor Survey	5km Survey Radius	1:00 starting at 09:00	Visibility: good; Wind speed and direction: fresh breeze NNE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AR
22/04/2022	Breeding Raptor Survey	5km Survey Radius	1:00 starting at 10:30	Visibility: good; Wind speed and direction: moderate breeze ENE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
22/04/2022	Breeding Raptor Survey	5km Survey Radius	1:00 starting at 11:30	Visibility: good; Wind speed and direction: moderate breeze ENE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AR
22/04/2022	Breeding Raptor Survey	5km Survey Radius	1:00 starting at 12:30	Visibility: good; Wind speed and direction: fresh breeze ENE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AR
12/05/2022	Breeding Raptor Survey	BR1	3:00 starting at 13:40	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	RVP1: 52.823570, -7.397492	TS
12/05/2022	Breeding Raptor Survey	BR2	3:00 starting at 17:10	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	RVP2: 52.825893, -7.434494	TS
21/05/2022	Breeding Raptor Survey	BR3	3:00 starting at 12:30	Visibility: good; Wind speed and direction: moderate breeze WSW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	RVP3: 52.794639, -7.381394	TS
21/05/2022	Breeding Raptor Survey	BR4	3:00 starting at 16:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	RVP4: 52.840298, -7.352229	TS
28/05/2022	Breeding Raptor Survey	BR5	3:00 starting at 12:45	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none	RVP5: 52.820831, -7.365356	TS
28/05/2022	Breeding Raptor Survey	BR6	3:00 starting at 16:15	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none	RVP6: 52.802562, -7.417004	TS
05/07/2022	Breeding Raptor Survey	BR3	3:00 starting at 11:30	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		CB
05/07/2022	Breeding Raptor Survey	BR5	3:00 starting at 14:35	Visibility: good; Wind speed and direction: gentle breeze WNW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		CB
06/07/2022	Breeding Raptor Survey	BR4	3:00 starting at 11:45	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		CB
06/07/2022	Breeding Raptor Survey	BR7	3:00 starting at 14:50	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		CB
07/07/2022	Breeding Raptor Survey	BR6	3:00 starting at 11:20	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		CB
07/07/2022	Breeding Raptor Survey	BR8	3:00 starting at 14:25	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		CB
26/07/2022	Breeding Raptor Survey	BR3	3:00 starting at 11:25	Visibility: good; Wind speed and direction: light breeze NNW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		CB

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
26/07/2022	Breeding Raptor Survey	BR5	3:00 starting at 14:30	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		CB
27/07/2022	Breeding Raptor Survey	BR4	3:00 starting at 12:15	Visibility: good; Wind speed and direction: light air SE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		CB
27/07/2022	Breeding Raptor Survey	BR7	3:00 starting at 15:20	Visibility: good; Wind speed and direction: light air SSE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		CB
28/07/2022	Breeding Raptor Survey	BR6	3:00 starting at 11:50	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		CB
28/07/2022	Breeding Raptor Survey	BR8	3:00 starting at 14:55	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		CB
02/04/2023	Breeding Raptor Survey	BR1	1:00 starting at 09:05	Visibility: good; Wind speed and direction: light breeze SSE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
02/04/2023	Breeding Raptor Survey	BR1	1:00 starting at 10:05	Visibility: good; Wind speed and direction: light breeze SSE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Peregrine flying over	TK
02/04/2023	Breeding Raptor Survey	BR2	1:00 starting at 11:30	Visibility: good; Wind speed and direction: light breeze SSE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		TK
02/04/2023	Breeding Raptor Survey	BR2	1:00 starting at 12:30	Visibility: good; Wind speed and direction: light breeze SSE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	No Raptors seen	TK
02/04/2023	Breeding Raptor Survey	BR3	1:00 starting at 14:20	Visibility: good; Wind speed and direction: light breeze SSE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
02/04/2023	Breeding Raptor Survey	BR3	1:00 starting at 15:20	Visibility: good; Wind speed and direction: light breeze SSE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TK
09/04/2023	Breeding Raptor Survey	BR4	1:00 starting at 08:50	Visibility: good; Wind speed and direction: moderate breeze SSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
09/04/2023	Breeding Raptor Survey	BR4	1:00 starting at 09:50	Visibility: good; Wind speed and direction: moderate breeze SSW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none	No Raptors seen	TK
09/04/2023	Breeding Raptor Survey	BR5	1:00 starting at 11:30	Visibility: good; Wind speed and direction: moderate breeze SSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
09/04/2023	Breeding Raptor Survey	BR5	1:00 starting at 12:30	Visibility: good; Wind speed and direction: moderate breeze SSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	Buzzard soaring	TK
09/04/2023	Breeding Raptor Survey	BR8	1:00 starting at 14:15	Visibility: good; Wind speed and direction: moderate 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
09/04/2023	Breeding Raptor Survey	BR8	1:00 starting at 15:15	Visibility: good; Wind speed and direction: moderate breeze SSW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none	No Raptors seen	TK
15/04/2023	Breeding Raptor Survey	BR7	1:00 starting at 09:30	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
15/04/2023	Breeding Raptor Survey	BR7	1:00 starting at 10:30	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No Raptors seen	TK
15/04/2023	Breeding Raptor Survey	BR6	1:00 starting at 12:20	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
15/04/2023	Breeding Raptor Survey	BR6	1:00 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	No Raptors seen	TK
18/05/2023	Breeding Raptor Survey	BR6	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		KW
18/05/2023	Breeding Raptor Survey	BR3	3:00 starting at 11:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
18/05/2023	Breeding Raptor Survey	BR5	3:00 starting at 14:30	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
02/06/2023	Breeding Raptor Survey	BR8	3:00 starting at 12:30	Visibility: moderate; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	haze	KW
02/06/2023	Breeding Raptor Survey	BR7	3:00 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		KW
06/06/2023	Breeding Raptor Survey	BR4	3:00 starting at 07:30	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		KW
06/06/2023	Breeding Raptor Survey	BR5	3:00 starting at 11:00	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		KW
26/06/2023	Breeding Raptor Survey	BR3	3:00 starting at 11:00	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
26/06/2023	Breeding Raptor Survey	BR6	3:00 starting at 14:30	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		KW
26/06/2023	Breeding Raptor Survey	BR6	3:00 starting at 14:30	Visibility: moderate; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		KW
07/07/2023	Breeding Raptor Survey	BR5	3:00 starting at 15:15	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
12/07/2023	Breeding Raptor Survey	BR3	3:00 starting at 11:00	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	haze	KW
12/07/2023	Breeding Raptor Survey	BR7	3:00 starting at 14:30	Visibility: moderate; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	haze	KW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
13/07/2023	Breeding Raptor Survey	BR4	3:00 starting at 09:15	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	No Target Species	KW
13/07/2023	Breeding Raptor Survey	BR8	3:00 starting at 12:45	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		KW
13/07/2023	Breeding Raptor Survey	BR6	1:00 starting at 16:15	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none	Abandoned after 1 hour due to torrential rain that continued for half an hour & showed no sign of abating, this VP has shown no evidence of breeding activity with exception of a juvenile peregrine that was possibly the previous years juvenile, although the owner of the nearby quarry (which is just outside the 2km) reckons there was significant activity at nest site earlier in April - Birdwatch Ireland surveyor for nest site in quarry says early nesting would be out of sync for the site, but perhaps a change of female at the site.	KW
17/07/2023	Breeding Raptor Survey	BR6	2:00 starting at 14:00	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	2 hour survey after 1st attempt abandoned - see 13/7/2023	KW

Table 7 - 2 - 4 Breeding kingfisher survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
19/04/2023	Breeding Kingfisher Survey	River Nore	1:00 starting at 08:50	Visibility: good; Wind speed and direction: gentle breeze NNE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
19/04/2023	Breeding Kingfisher Survey	River Nore	1:00 starting at 09:50	Visibility: good; Wind speed and direction: gentle breeze NNE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
19/04/2023	Breeding Kingfisher Survey	River Nore	1:00 starting at 10:50	Visibility: good; Wind speed and direction: gentle breeze NNE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
19/04/2023	Breeding Kingfisher Survey	River Nore	1:00 starting at 11:50	Visibility: good; Wind speed and direction: gentle breeze NNE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
19/04/2023	Breeding Kingfisher Survey	River Nore	0:55 starting at 12:50	Visibility: good; Wind speed and direction: gentle breeze NNE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TK
05/05/2023	Breeding Kingfisher Survey	River Nore	1:45 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	Surveying River along Barnhill Woods	SOB
05/05/2023	Breeding Kingfisher Survey	River Nore	2:10 starting at 14:00	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	Surveying River from Tallyho Bridge along farmland	SOB
23/05/2023	Breeding Kingfisher Survey	River Nore	5:15 starting at 11:15	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	warm (19 degrees C), light winds, sunny	AM
15/05/2025	Breeding Kingfisher Survey	River Nore Grid Crossing	5:30 starting at 10:30	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% <150m; Rain: none; Frost: none; Snow: none		DW

Table 7 - 2 - 5 Winter walkover survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
28/10/2021	Winter Walkover Survey	T1	1:55 starting at 10:40	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none	clear after heavy rain	AM
28/10/2021	Winter Walkover Survey	T2	2:20 starting at 13:05	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		AM
13/12/2021	Winter Walkover Survey	T1	2:35 starting at 09:10	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AM
13/12/2021	Winter Walkover Survey	T2	1:55 starting at 12:35	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		AM
13/12/2021	Winter Walkover Survey	T3	1:05 starting at 14:45	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
11/01/2022	Winter Walkover Survey	T1	1:25 starting at 08:55	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
11/01/2022	Winter Walkover Survey	T2	2:30 starting at 10:45	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
11/01/2022	Winter Walkover Survey	T3	1:55 starting at 14:10	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
04/03/2022	Winter Walkover Survey	T1	3:05 starting at 08:50	Visibility: good; Wind speed and direction: calm NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		AM
04/03/2022	Winter Walkover Survey	T2	1:55 starting at 12:50	Visibility: good; Wind speed and direction: calm NE; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		AM
26/10/2022	Winter Walkover Survey	500m Survey Radius	6:00 starting at 09:30	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
09/12/2022	Winter Walkover Survey	500m Survey Radius	6:00 starting at 09:30	Visibility: poor; Wind speed and direction: light air NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: heavy; Snow: none	heavy frost & fog	KW
20/01/2023	Winter Walkover Survey	500m Survey Radius	6:00 starting at 10:00	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW

Table 7 - 2 - 6 Waterbird distribution and abundance survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
25/10/2021	Waterbird Distribution Survey	T1/River Nore	2:50 starting at 09:05	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	perfect conditions	AM
25/10/2021	Waterbird Distribution Survey	T2	0:30 starting at 12:30	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
25/10/2021	Waterbird Distribution Survey	T3	0:45 starting at 13:45	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
25/10/2021	Waterbird Distribution Survey	T4	1:10 starting at 14:50	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
01/11/2021	Waterbird Distribution Survey	Erkina-Black Island	1:00 starting at 09:05	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	cool (7 degrees C) dry, sunny	AM
01/11/2021	Waterbird Distribution Survey	Rosconnel-Tallyho Bridge	0:35 starting at 10:40	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	cool (7 degrees C) dry, sunny	AM
01/11/2021	Waterbird Distribution Survey	Ballyragget-Glanbia	0:55 starting at 11:35	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
01/11/2021	Waterbird Distribution Survey	The Ballagh	0:30 starting at 12:50	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
01/11/2021	Waterbird Distribution Survey	Erkina-Black Island	2:35 starting at 15:10	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
11/11/2021	Waterbird Distribution Survey	Durrow Curragh	0:50 starting at 09:25	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none	poor, driving rain	AM
11/11/2021	Waterbird Distribution Survey	River Nore	1:35 starting at 10:30	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	T1. heavy showers	AM
11/11/2021	Waterbird Distribution Survey	Rosconnel-Tallyho Bridge	0:55 starting at 12:05	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AM
11/11/2021	Waterbird Distribution Survey	Ballyragget-Glanbia	0:40 starting at 14:00	Visibility: moderate; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none	T2	AM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
11/11/2021	Waterbird Distribution Survey	Durrow Curragh	1:30 starting at 15:30	Visibility: moderate; Wind speed and direction: strong breeze SE; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		AM
26/11/2021	Waterbird Distribution Survey	Durrow Curragh	1:10 starting at 09:15	Visibility: good; Wind speed and direction: calm NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: light; Snow: none	nice frost overnight, calm	AM
26/11/2021	Waterbird Distribution Survey	River Nore	1:15 starting at 10:40	Visibility: good; Wind speed and direction: calm NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	T1	AM
26/11/2021	Waterbird Distribution Survey	Rosconnel-Tallyho Bridge	1:10 starting at 12:20	Visibility: good; Wind speed and direction: calm NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	T2	AM
26/11/2021	Waterbird Distribution Survey	Ballyragget-Glanbia	0:35 starting at 14:15	Visibility: good; Wind speed and direction: calm NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	T3	AM
26/11/2021	Waterbird Distribution Survey	Durrow Curragh	1:40 starting at 15:30	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
09/12/2021	Waterbird Distribution Survey	Woodenbridge	1:00 starting at 09:15	Visibility: moderate; Wind speed and direction: calm WSW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	VP1	AM
09/12/2021	Waterbird Distribution Survey	VP2	0:35 starting at 10:35	Visibility: moderate; Wind speed and direction: light air WSW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		AM
09/12/2021	Waterbird Distribution Survey	River Nore	1:10 starting at 11:40	Visibility: good; Wind speed and direction: light air WSW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	T1	AM
09/12/2021	Waterbird Distribution Survey	Rosconnel-Tallyho Bridge	0:55 starting at 13:30	Visibility: good; Wind speed and direction: light air WSW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	T2	AM
09/12/2021	Waterbird Distribution Survey	Ballyragget-Glanbia	0:40 starting at 14:35	Visibility: good; Wind speed and direction: light breeze WSW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	T3	AM
09/12/2021	Waterbird Distribution Survey	Woodenbridge	1:35 starting at 15:35	Visibility: good; Wind speed and direction: fresh breeze WSW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	VP1	AM
20/12/2021	Waterbird Distribution Survey	Woodenbridge	0:25 starting at 09:05	Visibility: good; Wind speed and direction: calm W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	VP1	AM
20/12/2021	Waterbird Distribution Survey	VP2	0:20 starting at 09:45	Visibility: good; Wind speed and direction: calm W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
20/12/2021	Waterbird Distribution Survey	River Nore	0:55 starting at 10:15	Visibility: good; Wind speed and direction: calm W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	T1: dry, cold (4 degrees), calm	AM
20/12/2021	Waterbird Distribution Survey	Rosconnel-Tallyho Bridge	1:08 starting at 11:40	Visibility: good; Wind speed and direction: calm W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	T2	AM
20/12/2021	Waterbird Distribution Survey	Ballyragget-Glanbia	0:37 starting at 13:03	Visibility: good; Wind speed and direction: calm W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	T3	AM
20/12/2021	Waterbird Distribution Survey	T4	1:45 starting at 14:15	Visibility: good; Wind speed and direction: calm W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
03/01/2022	Waterbird Distribution Survey	VP1	1:00 starting at 09:10	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	mild, dry	AM
03/01/2022	Waterbird Distribution Survey	VP2	0:20 starting at 10:30	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AM
03/01/2022	Waterbird Distribution Survey	T1/River Nore	1:30 starting at 11:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
03/01/2022	Waterbird Distribution Survey	VP3	0:30 starting at 12:45	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
03/01/2022	Waterbird Distribution Survey	T2	0:55 starting at 13:50	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
03/01/2022	Waterbird Distribution Survey	T3	0:35 starting at 15:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
03/01/2022	Waterbird Distribution Survey	VP1	1:10 starting at 15:50	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
19/01/2022	Waterbird Distribution Survey	VP1	0:55 starting at 09:15	Visibility: good; Wind speed and direction: gentle breeze NNW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AM
19/01/2022	Waterbird Distribution Survey	VP2	0:15 starting at 10:15	Visibility: good; Wind speed and direction: light breeze NNW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AM
19/01/2022	Waterbird Distribution Survey	T1/River Nore	1:20 starting at 10:35	Visibility: good; Wind speed and direction: gentle breeze NNW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AM
19/01/2022	Waterbird Distribution Survey	T2	1:10 starting at 12:20	Visibility: good; Wind speed and direction: gentle breeze NNW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
19/01/2022	Waterbird Distribution Survey	T3	0:40 starting at 13:50	Visibility: good; Wind speed and direction: moderate breeze NNW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
19/01/2022	Waterbird Distribution Survey	VP1	1:10 starting at 14:50	Visibility: good; Wind speed and direction: moderate breeze NNW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
08/02/2022	Waterbird Distribution Survey	VP1/Woodenbridge	0:45 starting at 09:15	Visibility: moderate; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	very mild, misty	AM
08/02/2022	Waterbird Distribution Survey	VP2/Knockanoran	0:35 starting at 10:10	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		AM
08/02/2022	Waterbird Distribution Survey	T1/River Nore	1:15 starting at 11:00	Visibility: moderate; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		AM
08/02/2022	Waterbird Distribution Survey	T2	1:05 starting at 12:45	Visibility: moderate; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		AM
08/02/2022	Waterbird Distribution Survey	T3	0:35 starting at 14:10	Visibility: moderate; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		AM
08/02/2022	Waterbird Distribution Survey	Woodenbridge	1:25 starting at 15:20	Visibility: moderate; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		AM
22/02/2022	Waterbird Distribution Survey	Woodenbridge	0:45 starting at 09:05	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
22/02/2022	Waterbird Distribution Survey	Knockanoran	0:25 starting at 10:05	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		AM
22/02/2022	Waterbird Distribution Survey	River Nore	1:25 starting at 10:50	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AM
22/02/2022	Waterbird Distribution Survey	T2	1:00 starting at 12:45	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AM
22/02/2022	Waterbird Distribution Survey	T3	0:40 starting at 14:05	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
22/02/2022	Waterbird Distribution Survey	Woodenbridge	1:05 starting at 15:10	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		AM
02/03/2022	Waterbird Distribution Survey	Woodenbridge	0:40 starting at 09:10	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		AM
02/03/2022	Waterbird Distribution Survey	Erkina-Black Island	0:20 starting at 10:00	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		AM
02/03/2022	Waterbird Distribution Survey	River Nore	1:45 starting at 10:30	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
02/03/2022	Waterbird Distribution Survey	Rosconnel-Tallyho Bridge	0:50 starting at 12:35	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
02/03/2022	Waterbird Distribution Survey	Ballyragget-Glanbia	0:40 starting at 13:45	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
02/03/2022	Waterbird Distribution Survey	Woodenbridge	1:05 starting at 14:55	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM
31/03/2022	Waterbird Distribution Survey	Woodenbridge	0:45 starting at 09:15	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none	very cold, dry, sunny	AM
31/03/2022	Waterbird Distribution Survey	Erkina-Black Island	0:20 starting at 10:10	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		AM
31/03/2022	Waterbird Distribution Survey	River Nore	1:20 starting at 10:50	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		AM
31/03/2022	Waterbird Distribution Survey	Rosconnel-Tallyho Bridge	1:10 starting at 13:00	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		AM
31/03/2022	Waterbird Distribution Survey	Ballyragget-Glanbia	0:30 starting at 14:25	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		AM
31/03/2022	Waterbird Distribution Survey	Woodenbridge	1:00 starting at 15:20	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		AM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
19/04/2022	Waterbird Distribution Survey	5km Survey Radius	5:45 starting at 10:45	Visibility: good; Wind speed and direction: light air WNW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		CB
25/04/2022	Waterbird Distribution Survey	5km Survey Radius	5:00 starting at 11:00	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		CB
05/05/2022	Waterbird Distribution Survey	5km Survey Radius	4:00 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		CB
20/05/2022	Waterbird Distribution Survey	5km Survey Radius	2:30 starting at 15:00	Visibility: good; Wind speed and direction: gentle breeze SSW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		CB
06/09/2022	Waterbird Distribution Survey	5km Survey Radius	4:00 starting at 11:00	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		JQ
09/09/2022	Waterbird Distribution Survey	5km Survey Radius	4:30 starting at 12:00	Visibility: good; Wind speed and direction: light air SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JQ
22/09/2022	Waterbird Distribution Survey	5km Survey Radius	4:14 starting at 11:30	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JQ
23/09/2022	Waterbird Distribution Survey	5km Survey Radius	5:00 starting at 11:00	Visibility: good; Wind speed and direction: light air NE; Cloud cover and height: 33-66% >500m; Rain: drizzle; Frost: none; Snow: none	Few showers throughout survey	JQ
15/10/2022	Waterbird Distribution Survey	5km Survey Radius	6:00 starting at 10:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
29/10/2022	Waterbird Distribution Survey	5km Survey Radius	6:00 starting at 10:00	Visibility: good; Wind speed and direction: fresh breeze SSE; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		KW
12/11/2022	Waterbird Distribution Survey	5km Survey Radius	6:00 starting at 07:30	Visibility: moderate; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		KW
29/11/2022	Waterbird Distribution Survey	5km Survey Radius	6:00 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		KW
10/12/2022	Waterbird Distribution Survey	5km Survey Radius	6:00 starting at 09:30	Visibility: good; Wind speed and direction: light air W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: heavy; Snow: none		KW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
31/12/2022	Waterbird Distribution Survey	5km Survey Radius	6:00 starting at 09:00	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
11/01/2023	Waterbird Distribution Survey	5km Survey Radius	6:00 starting at 09:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	showers	KW
23/01/2023	Waterbird Distribution Survey	5km Survey Radius	6:00 starting at 10:00	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	fog	KW
11/02/2023	Waterbird Distribution Survey	5km Survey Radius	6:00 starting at 09:00	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
22/02/2023	Waterbird Distribution Survey	5km Survey Radius	6:00 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		KW
13/03/2023	Waterbird Distribution Survey	5km Survey Radius	6:00 starting at 10:00	Visibility: moderate; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		KW
28/03/2023	Waterbird Distribution Survey	5km Survey Radius	6:00 starting at 09:30	Visibility: good; Wind speed and direction: fresh breeze SSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		KW
03/04/2023	Waterbird Distribution Survey	5km Survey Radius	6:30 starting at 09:20	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		NJB
23/04/2023	Waterbird Distribution Survey	5km Survey Radius	6:28 starting at 09:51	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		NJB
16/05/2023	Waterbird Distribution Survey	5km Survey Radius	1:36 starting at 14:11	Visibility: good; Wind speed and direction: light air S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		AM
31/05/2023	Waterbird Distribution Survey	5km Survey Radius	1:15 starting at 09:45	Visibility: good; Wind speed and direction: calm N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		AM