

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