

RECEIVED: 13/05/2024



APPENDIX 7-2

SURVEY EFFORT



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Table 7-2- 1 Vantage point survey effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
16/04/2020	Vantage Point Survey	VP1	3:00 starting at 05:26	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
16/04/2020	Vantage Point Survey	VP1	3:00 starting at 08:56	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
18/04/2020	Vantage Point Survey	VP2	1:30 starting at 05:21	Visibility: limited; Wind speed and direction: light breeze E; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		PW
21/04/2020	Vantage Point Survey	VP2	5:00 starting at 06:45	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		PW
06/05/2020	Vantage Point Survey	VP2	0:30 starting at 14:34	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
06/05/2020	Vantage Point Survey	VP2	3:00 starting at 15:34	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
06/05/2020	Vantage Point Survey	VP2	3:00 starting at 19:04	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
12/05/2020	Vantage Point Survey	VP1	3:00 starting at 15:45	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
12/05/2020	Vantage Point Survey	VP1	3:00 starting at 19:15	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
10/06/2020	Vantage Point Survey	VP2	3:00 starting at 16:21	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
15/06/2020	Vantage Point Survey	VP1	3:00 starting at 17:24	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
17/06/2020	Vantage Point Survey	VP1	3:00 starting at 17:25	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
23/06/2020	Vantage Point Survey	VP2	3:00 starting at 14:55	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
02/07/2020	Vantage Point Survey	VP2	3:00 starting at 13:13	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
03/07/2020	Vantage Point Survey	VP1	3:00 starting at 09:30	Visibility: moderate; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		PW
03/07/2020	Vantage Point Survey	VP1	3:00 starting at 13:00	Visibility: moderate; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		PW
22/07/2020	Vantage Point Survey	VP2	3:10 starting at 12:23	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
19/08/2020	Vantage Point Survey	VP2	1:00 starting at 15:14	Visibility: none; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		PW
19/08/2020	Vantage Point Survey	VP2	2:00 starting at 16:14	Visibility: limited; Wind speed and direction: fresh breeze E; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		PW
20/08/2020	Vantage Point Survey	VP2	1:00 starting at 18:42	Visibility: good; Wind speed and direction: near gale SE; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		PW
20/08/2020	Vantage Point Survey	VP2	1:00 starting at 19:42	Visibility: moderate; Wind speed and direction: gale SE; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
20/08/2020	Vantage Point Survey	VP2	1:00 starting at 20:42	Visibility: good; Wind speed and direction: near gale SE; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		PW
22/08/2020	Vantage Point Survey	VP1	1:00 starting at 15:03	Visibility: good; Wind speed and direction: gale SW; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		PW
22/08/2020	Vantage Point Survey	VP1	1:00 starting at 16:03	Visibility: good; Wind speed and direction: gale SW; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		PW
22/08/2020	Vantage Point Survey	VP1	1:01 starting at 17:03	Visibility: good; Wind speed and direction: near gale SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		PW
22/08/2020	Vantage Point Survey	VP1	1:00 starting at 18:38	Visibility: good; Wind speed and direction: near gale SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		PW
22/08/2020	Vantage Point Survey	VP1	1:00 starting at 19:38	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		PW
22/08/2020	Vantage Point Survey	VP1	1:00 starting at 20:38	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
05/09/2020	Vantage Point Survey	VP2	1:00 starting at 05:45	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	06:35. Buzzards calling in area marked. Buzzard on map for 135s. Heard, not seen. Heard again at 06:50.	PW
05/09/2020	Vantage Point Survey	VP2	1:00 starting at 06:45	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
05/09/2020	Vantage Point Survey	VP2	1:00 starting at 07:45	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PW
05/09/2020	Vantage Point Survey	VP2	2:00 starting at 09:15	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
05/09/2020	Vantage Point Survey	VP2	1:00 starting at 11:15	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none		PW
21/09/2020	Vantage Point Survey	VP1	2:00 starting at 06:10	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
21/09/2020	Vantage Point Survey	VP1	1:00 starting at 08:10	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
21/09/2020	Vantage Point Survey	VP1	1:00 starting at 09:40	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
21/09/2020	Vantage Point Survey	VP1	2:07 starting at 10:40	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
09/10/2020	Vantage Point Survey	VP1	3:00 starting at 13:15	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
09/10/2020	Vantage Point Survey	VP1	3:00 starting at 16:45	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
14/10/2020	Vantage Point Survey	VP2	3:00 starting at 13:05	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
14/10/2020	Vantage Point Survey	VP2	3:00 starting at 16:33	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
17/11/2020	Vantage Point Survey	VP2	3:00 starting at 06:55	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
17/11/2020	Vantage Point Survey	VP2	3:00 starting at 10:35	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
19/11/2020	Vantage Point Survey	VP1	3:00 starting at 06:58	Visibility: good; Wind speed and direction: gentle breeze WNW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
19/11/2020	Vantage Point Survey	VP1	3:20 starting at 10:30	Visibility: good; Wind speed and direction: light breeze WNW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
10/12/2020	Vantage Point Survey	VP2	3:00 starting at 10:45	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
10/12/2020	Vantage Point Survey	VP2	0:50 starting at 14:15	Visibility: poor; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	Survey ceased due to deteriorating weather conditions and poor visibility.	PW
11/12/2020	Vantage Point Survey	VP1	3:00 starting at 10:40	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
11/12/2020	Vantage Point Survey	VP1	3:00 starting at 14:11	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		PW
21/12/2020	Vantage Point Survey	VP2	2:10 starting at 15:02	Visibility: good; Wind speed and direction: gentle breeze WSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	VP finished from earlier in the month.	PW
13/01/2021	Vantage Point Survey	VP2	3:00 starting at 07:41	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
13/01/2021	Vantage Point Survey	VP2	3:00 starting at 11:08	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
15/01/2021	Vantage Point Survey	VP1	3:00 starting at 07:32	Visibility: good; Wind speed and direction: light air SSE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: light; Snow: none		PW
15/01/2021	Vantage Point Survey	VP1	3:00 starting at 11:05	Visibility: good; Wind speed and direction: light air SSE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
03/02/2021	Vantage Point Survey	VP2	1:00 starting at 11:46	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		PW
03/02/2021	Vantage Point Survey	VP2	2:00 starting at 12:46	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none	Light rain.	PW
03/02/2021	Vantage Point Survey	VP2	1:00 starting at 15:16	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		PW
03/02/2021	Vantage Point Survey	VP2	1:00 starting at 16:16	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	Constant rain.	PW
03/02/2021	Vantage Point Survey	VP2	1:00 starting at 17:16	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		PW
15/02/2021	Vantage Point Survey	VP1	1:00 starting at 12:10	Visibility: good; Wind speed and direction: strong breeze S; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none	Meadow Pipit and Skylark in song near VP1 in good weather conditions.	PW
15/02/2021	Vantage Point Survey	VP1	1:00 starting at 13:10	Visibility: good; Wind speed and direction: strong breeze S; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		PW
15/02/2021	Vantage Point Survey	VP1	1:00 starting at 14:10	Visibility: good; Wind speed and direction: near gale S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
15/02/2021	Vantage Point Survey	VP1	1:00 starting at 15:40	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
15/02/2021	Vantage Point Survey	VP1	1:00 starting at 16:40	Visibility: moderate; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none	Visibility 5 for first half hour decreasing to 4 as cloud lowered and rain came in	PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
15/02/2021	Vantage Point Survey	VP1	1:00 starting at 17:40	Visibility: limited; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none	Low cloud creating foggy conditions and rain. Poor visibility from 3 to 2 to 1. No visibility for last 20 minutes.	PW
26/03/2021	Vantage Point Survey	VP1	1:00 starting at 05:20	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 0-33% >500m; Rain: drizzle; Frost: none; Snow: none		PW
26/03/2021	Vantage Point Survey	VP1	1:00 starting at 06:20	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 33-66% >500m; Rain: light showers; Frost: none; Snow: none	Showers. Forestry operations commenced at 06:40 with machinery on site.	PW
26/03/2021	Vantage Point Survey	VP1	1:10 starting at 07:20	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
26/03/2021	Vantage Point Survey	VP1	2:00 starting at 09:10	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
26/03/2021	Vantage Point Survey	VP1	0:50 starting at 11:10	Visibility: good; Wind speed and direction: strong breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
30/03/2021	Vantage Point Survey	VP2	2:00 starting at 06:06	Visibility: none; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	Foggy conditions throughout.	PW
30/03/2021	Vantage Point Survey	VP2	1:00 starting at 08:06	Visibility: limited; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	Foggy conditions, visibility 1-2.	PW
30/03/2021	Vantage Point Survey	VP2	0:30 starting at 09:36	Visibility: none; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	Visibility still poor. Survey ended.	PW
30/03/2021	Vantage Point Survey	VP2	2:30 starting at 14:15	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none	Survey resumed with good visibility.	PW
07/04/2021	Vantage Point Survey	VP1	3:00 starting at 14:43	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	Forestry operations in progress on site from start of survey until just before 5 o'clock on site.	PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
07/04/2021	Vantage Point Survey	VP1	1:00 starting at 18:13	Visibility: moderate; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		PW
07/04/2021	Vantage Point Survey	VP1	1:00 starting at 19:13	Visibility: moderate; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none		PW
07/04/2021	Vantage Point Survey	VP1	1:00 starting at 20:13	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
14/04/2021	Vantage Point Survey	VP2	2:00 starting at 14:50	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
14/04/2021	Vantage Point Survey	VP2	1:00 starting at 16:50	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
14/04/2021	Vantage Point Survey	VP2	3:00 starting at 18:25	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
14/05/2021	Vantage Point Survey	VP2	3:00 starting at 04:31	Visibility: limited; Wind speed and direction: light air NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	Visibility limited by fog. No fog at VP upon arrival but fog out over forestry west of VP over site >1km away.	PW
14/05/2021	Vantage Point Survey	VP2	2:00 starting at 08:01	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Fog cleared by 07:55.	PW
14/05/2021	Vantage Point Survey	VP2	1:00 starting at 10:01	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
15/05/2021	Vantage Point Survey	VP1	2:00 starting at 04:26	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
15/05/2021	Vantage Point Survey	VP1	1:00 starting at 06:26	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	Forestry operations commenced on site at 06:45.	PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
15/05/2021	Vantage Point Survey	VP1	1:00 starting at 08:10	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
15/05/2021	Vantage Point Survey	VP1	1:00 starting at 09:10	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
15/05/2021	Vantage Point Survey	VP1	1:00 starting at 10:10	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
17/05/2021	Vantage Point Survey	VP1	2:00 starting at 04:26	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
17/05/2021	Vantage Point Survey	VP1	1:00 starting at 06:26	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
17/05/2021	Vantage Point Survey	VP1	3:00 starting at 08:10	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
01/06/2021	Vantage Point Survey	VP2	3:00 starting at 13:30	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
02/06/2021	Vantage Point Survey	VP2	1:00 starting at 10:27	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		PW
02/06/2021	Vantage Point Survey	VP2	1:00 starting at 11:27	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		PW
02/06/2021	Vantage Point Survey	VP2	1:00 starting at 12:27	Visibility: moderate; Wind speed and direction: light air N; Cloud cover and height: 66-100% <150m; Rain: persistent; Frost: none; Snow: none		PW
03/06/2021	Vantage Point Survey	VP1	3:00 starting at 12:57	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
04/06/2021	Vantage Point Survey	VP1	3:00 starting at 12:46	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
06/07/2021	Vantage Point Survey	VP2	2:00 starting at 13:00	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		PW
06/07/2021	Vantage Point Survey	VP2	1:00 starting at 15:00	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none		PW
08/07/2021	Vantage Point Survey	VP2	2:00 starting at 12:42	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
08/07/2021	Vantage Point Survey	VP2	1:00 starting at 14:42	Visibility: good; Wind speed and direction: light air W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
13/07/2021	Vantage Point Survey	VP1	1:00 starting at 13:07	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
13/07/2021	Vantage Point Survey	VP1	2:00 starting at 14:07	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
19/07/2021	Vantage Point Survey	VP1	3:00 starting at 19:13	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
10/08/2021	Vantage Point Survey	VP2	3:00 starting at 10:44	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
10/08/2021	Vantage Point Survey	VP2	3:00 starting at 14:14	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
12/08/2021	Vantage Point Survey	VP1	1:00 starting at 14:00	Visibility: good; Wind speed and direction: strong breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
12/08/2021	Vantage Point Survey	VP1	2:00 starting at 15:00	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
12/08/2021	Vantage Point Survey	VP1	2:00 starting at 17:30	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
12/08/2021	Vantage Point Survey	VP1	1:00 starting at 19:30	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
10/09/2021	Vantage Point Survey	VP2	2:00 starting at 14:25	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
10/09/2021	Vantage Point Survey	VP2	1:00 starting at 16:25	Visibility: poor; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		PW
10/09/2021	Vantage Point Survey	VP2	1:00 starting at 17:54	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		PW
10/09/2021	Vantage Point Survey	VP2	2:00 starting at 18:54	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		PW
14/09/2021	Vantage Point Survey	VP1	3:00 starting at 14:08	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
14/09/2021	Vantage Point Survey	VP1	1:00 starting at 17:44	Visibility: good; Wind speed and direction: light air S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
14/09/2021	Vantage Point Survey	VP1	2:00 starting at 18:44	Visibility: good; Wind speed and direction: calm S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
21/10/2021	Vantage Point Survey	VP1	3:00 starting at 06:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SP



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
21/10/2021	Vantage Point Survey	VP1	3:00 starting at 10:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SP
30/10/2021	Vantage Point Survey	VP2	6:30 starting at 12:30	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		SP
15/11/2021	Vantage Point Survey	VP2	1:00 starting at 11:00	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		JM
15/11/2021	Vantage Point Survey	VP2	1:00 starting at 12:00	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
15/11/2021	Vantage Point Survey	VP2	1:00 starting at 13:00	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
15/11/2021	Vantage Point Survey	VP2	1:00 starting at 14:30	Visibility: good; Wind speed and direction: light air NE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
15/11/2021	Vantage Point Survey	VP2	1:00 starting at 15:30	Visibility: good; Wind speed and direction: light air NE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
15/11/2021	Vantage Point Survey	VP2	1:00 starting at 16:30	Visibility: moderate; Wind speed and direction: light breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
18/11/2021	Vantage Point Survey	VP1	1:00 starting at 11:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		JM
18/11/2021	Vantage Point Survey	VP1	1:00 starting at 12:00	Visibility: moderate; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		JM
18/11/2021	Vantage Point Survey	VP1	1:00 starting at 13:00	Visibility: moderate; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		JM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
18/11/2021	Vantage Point Survey	VP1	1:00 starting at 14:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
18/11/2021	Vantage Point Survey	VP1	1:00 starting at 15:30	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		JM
18/11/2021	Vantage Point Survey	VP1	1:00 starting at 16:30	Visibility: moderate; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		JM
08/12/2021	Vantage Point Survey	VP2	1:00 starting at 07:30	Visibility: none; Wind speed and direction: strong breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		JM
08/12/2021	Vantage Point Survey	VP2	2:00 starting at 08:30	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
08/12/2021	Vantage Point Survey	VP2	3:00 starting at 11:00	Visibility: good; Wind speed and direction: strong breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
10/12/2021	Vantage Point Survey	VP1	1:00 starting at 07:30	Visibility: limited; Wind speed and direction: gentle breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		JM
10/12/2021	Vantage Point Survey	VP1	2:00 starting at 08:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
10/12/2021	Vantage Point Survey	VP1	3:00 starting at 11:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
18/01/2022	Vantage Point Survey	VP2	3:00 starting at 11:15	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
18/01/2022	Vantage Point Survey	VP2	2:00 starting at 14:45	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
18/01/2022	Vantage Point Survey	VP2	1:00 starting at 16:45	Visibility: moderate; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
25/01/2022	Vantage Point Survey	VP1	3:00 starting at 11:30	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
25/01/2022	Vantage Point Survey	VP1	2:00 starting at 15:00	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
25/01/2022	Vantage Point Survey	VP1	1:00 starting at 17:00	Visibility: moderate; Wind speed and direction: light air S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
01/02/2022	Vantage Point Survey	VP2	1:00 starting at 07:10	Visibility: limited; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		JM
01/02/2022	Vantage Point Survey	VP2	2:00 starting at 08:10	Visibility: poor; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		JM
01/02/2022	Vantage Point Survey	VP2	2:00 starting at 10:40	Visibility: poor; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		JM
01/02/2022	Vantage Point Survey	VP2	1:00 starting at 12:40	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		JM
08/02/2022	Vantage Point Survey	VP1	1:00 starting at 07:00	Visibility: limited; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
08/02/2022	Vantage Point Survey	VP1	1:00 starting at 08:00	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
08/02/2022	Vantage Point Survey	VP1	1:00 starting at 09:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM

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Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
08/02/2022	Vantage Point Survey	VP1	1:00 starting at 10:30	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
08/02/2022	Vantage Point Survey	VP1	1:00 starting at 11:30	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		JM
08/02/2022	Vantage Point Survey	VP1	1:00 starting at 12:30	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
10/03/2022	Vantage Point Survey	VP2	3:00 starting at 12:45	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		JM
10/03/2022	Vantage Point Survey	VP2	3:00 starting at 16:15	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
16/03/2022	Vantage Point Survey	VP1	3:00 starting at 13:00	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
16/03/2022	Vantage Point Survey	VP1	3:00 starting at 16:30	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JM

Table 7-2- 2 Breeding Walkover Survey Effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
19/05/2020	Breeding Walkover Survey	T1	3:10 starting at 16:25	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
19/05/2020	Breeding Walkover Survey	T2	3:10 starting at 08:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
03/06/2020	Breeding Walkover Survey	T1	3:05 starting at 06:00	Visibility: moderate; Wind speed and direction: strong breeze N; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
11/06/2020	Breeding Walkover Survey	T2	3:00 starting at 10:30	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
22/07/2020	Breeding Walkover Survey	T2	3:00 starting at 08:50	Visibility: poor; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		PW
31/07/2020	Breeding Walkover Survey	T1	3:00 starting at 08:55	Visibility: moderate; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
21/04/2021	Breeding Walkover Survey	T1	2:10 starting at 10:10	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
21/04/2021	Breeding Walkover Survey	T1	1:00 starting at 12:20	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
21/04/2021	Breeding Walkover Survey	T1	1:05 starting at 13:20	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
21/04/2021	Breeding Walkover Survey	T2	1:55 starting at 15:05	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
18/05/2021	Breeding Walkover Survey	T1	2:00 starting at 08:30	Visibility: good; Wind speed and direction: light air W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
18/05/2021	Breeding Walkover Survey	T1	2:00 starting at 10:30	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
18/05/2021	Breeding Walkover Survey	T2	1:00 starting at 13:00	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
18/05/2021	Breeding Walkover Survey	T2	1:10 starting at 14:00	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
23/06/2021	Breeding Walkover Survey	T1	4:00 starting at 10:25	Visibility: moderate; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		PW
23/06/2021	Breeding Walkover Survey	T2	2:05 starting at 15:00	Visibility: moderate; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		PW
26/07/2021	Breeding Walkover Survey	T1	1:40 starting at 09:10	Visibility: limited; Wind speed and direction: light air W; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none	Foggy until 10:50. Limited visibility <200m.	PW
26/07/2021	Breeding Walkover Survey	T1	1:43 starting at 10:50	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
26/07/2021	Breeding Walkover Survey	T1	0:32 starting at 13:03	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
26/07/2021	Breeding Walkover Survey	T2	2:31 starting at 13:54	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW

Table 7-2-3 Breeding Raptor Survey Effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
24/05/2020	Breeding Raptor Survey	BRT2	3:00 starting at 17:00	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
24/05/2020	Breeding Raptor Survey	BRVP1	3:00 starting at 08:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		PW
26/05/2020	Breeding Raptor Survey	BRVP3	3:10 starting at 07:55	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
29/05/2020	Breeding Raptor Survey	BRVP2	3:01 starting at 17:09	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
01/06/2020	Breeding Raptor Survey	BRVP1	3:00 starting at 17:13	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
02/06/2020	Breeding Raptor Survey	BRT3	3:00 starting at 08:58	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
02/06/2020	Breeding Raptor Survey	BRVP2	3:30 starting at 16:05	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
03/06/2020	Breeding Raptor Survey	BRT1	3:00 starting at 09:40	Visibility: good; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		PW
02/07/2020	Breeding Raptor Survey	BRVP4 & BRVP5	3:03 starting at 09:40	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
15/07/2020	Breeding Raptor Survey	BRVP1 & BRT4	3:00 starting at 10:25	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
20/07/2020	Breeding Raptor Survey	BRVP2 & BRT3	3:16 starting at 09:00	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
20/07/2020	Breeding Raptor Survey	BRT2	3:00 starting at 17:40	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
15/04/2021	Breeding Raptor Survey	BRT1	1:00 starting at 13:18	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
15/04/2021	Breeding Raptor Survey	BRT1	2:00 starting at 14:18	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
19/04/2021	Breeding Raptor Survey	BRT2	2:00 starting at 08:20	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		PW
19/04/2021	Breeding Raptor Survey	BRVP1	1:00 starting at 10:40	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
19/04/2021	Breeding Raptor Survey	BRT3	2:00 starting at 16:10	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
19/04/2021	Breeding Raptor Survey	BRVP2	1:00 starting at 18:20	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		PW
27/04/2021	Breeding Raptor Survey	BRVP3	1:45 starting at 17:50	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
27/04/2021	Breeding Raptor Survey	BRVP4	1:15 starting at 19:40	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		PW
13/05/2021	Breeding Raptor Survey	BRT2	2:00 starting at 09:40	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Heavy fog before survey commenced. Fog lifted as survey began.	PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
13/05/2021	Breeding Raptor Survey	BRVP1	1:00 starting at 12:00	Visibility: good; Wind speed and direction: light air NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
13/05/2021	Breeding Raptor Survey	BVRP3	3:00 starting at 16:10	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
19/05/2021	Breeding Raptor Survey	BRVP2	1:30 starting at 15:30	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none	At least 3 but possibly 4 or even 5 pairs of buzzards spotted on this BRVP.	PW
19/05/2021	Breeding Raptor Survey	BRVP4	1:30 starting at 17:07	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		PW
22/05/2021	Breeding Raptor Survey	BRVP5 Coorleagh (Whitehall Quarries pNHA)	2:00 starting at 17:45	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No raptors observed.	PW
22/05/2021	Breeding Raptor Survey	BRVP5 Coorleagh (Whitehall Quarries pNHA)	1:00 starting at 19:45	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	No raptors observed.	PW
01/06/2021	Breeding Raptor Survey	BRT3	2:00 starting at 11:00	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
01/06/2021	Breeding Raptor Survey	BRVP1	1:00 starting at 16:50	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
03/06/2021	Breeding Raptor Survey	BRT2	2:15 starting at 08:55	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
03/06/2021	Breeding Raptor Survey	BRT1	0:50 starting at 11:15	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
20/06/2021	Breeding Raptor Survey	BRVP5a Whitehall Quarties pNHA (West)	0:45 starting at 18:50	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
20/06/2021	Breeding Raptor Survey	BRVP5b Whitehall Quarties pNHA (Northeast)	1:35 starting at 19:40	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
20/06/2021	Breeding Raptor Survey	BRVP4	0:40 starting at 21:20	Visibility: good; Wind speed and direction: light air NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
06/07/2021	Breeding Raptor Survey	BRT2	2:00 starting at 09:00	Visibility: moderate; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		PW
06/07/2021	Breeding Raptor Survey	BRVP1	1:00 starting at 11:14	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		PW
08/07/2021	Breeding Raptor Survey	BRVP3	3:00 starting at 09:06	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
13/07/2021	Breeding Raptor Survey	BRVP4	1:00 starting at 09:09	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
13/07/2021	Breeding Raptor Survey	BRVP4	2:00 starting at 10:09	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
15/07/2021	Breeding Raptor Survey	BRVP2	1:30 starting at 17:26	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
15/07/2021	Breeding Raptor Survey	BRT3	1:30 starting at 19:00	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
20/07/2021	Breeding Raptor Survey	BRT1	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		PW
20/07/2021	Breeding Raptor Survey	BRVP5	3:00 starting at 18:08	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW

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Table 7-2- 4 Breeding Woodcock Survey Effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
24/05/2020	Breeding Woodcock Survey	WKT1	2:00 starting at 20:38	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
29/05/2020	Breeding Woodcock Survey	WKT3	2:00 starting at 20:39	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
01/06/2020	Breeding Woodcock Survey	WKT2	2:00 starting at 20:43	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
10/06/2020	Breeding Woodcock Survey	WKT1	2:00 starting at 20:55	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
15/06/2020	Breeding Woodcock Survey	WKT3	2:00 starting at 20:54	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
17/06/2020	Breeding Woodcock Survey	WKT2	2:00 starting at 20:55	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
11/05/2021	Breeding Woodcock Survey	WKT1+2	2:00 starting at 20:20	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
21/05/2021	Breeding Woodcock Survey	WKT3	2:00 starting at 20:30	Visibility: moderate; Wind speed and direction: strong breeze E; Cloud cover and height: 66-106% <150m; Rain: light showers; Frost: none; Snow: none		TR
01/06/2021	Breeding Woodcock Survey	WKT2	2:00 starting at 20:45	Visibility: moderate; Wind speed and direction: light breeze E; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	WKT1 and WKT2 covered in same evening.	IH
01/06/2021	Breeding Woodcock Survey	WKT1	2:00 starting at 20:45	Visibility: moderate; Wind speed and direction: light breeze E; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	WKT1 and WKT2 covered in same evening.	IH
02/06/2021	Breeding Woodcock Survey	WKT3	2:14 starting at 20:46	Visibility: good; Wind speed and direction: light air SSE; Cloud cover and height: 33-66% <150m; Rain: none; Frost: none; Snow: none		IH



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
10/06/2021	Breeding Woodcock Survey	WKT2	2:10 starting at 20:50	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	Thinning of plantation since last visit. Wind picked up around 22:15 making it harder to hear woodcock calls. WKT1 and WKT2 covered in same evening.	IH
10/06/2021	Breeding Woodcock Survey	WKT1	2:10 starting at 20:50	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	Thinning of plantation since last visit. Wind picked up around 22:15 making it harder to hear woodcock calls. WKT1 and WKT2 covered in same evening.	IH
11/06/2021	Breeding Woodcock Survey	WKT3	2:15 starting at 20:45	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		IH

Table 7-2-5 Winter Walkover Survey Effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
08/10/2020	Winter Walkover Survey	T1	3:00 starting at 10:50	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
08/10/2020	Winter Walkover Survey	T2	3:00 starting at 14:30	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
14/01/2021	Winter Walkover Survey	T1	3:30 starting at 10:30	Visibility: good; Wind speed and direction: gentle breeze WNW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
14/01/2021	Winter Walkover Survey	T2	2:30 starting at 14:30	Visibility: good; Wind speed and direction: light breeze WNW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
12/02/2021	Winter Walkover Survey	T1	2:00 starting at 09:50	Visibility: good; Wind speed and direction: near gale SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: light; Snow: none	Ground lightly frozen, but no frost.	PW
12/02/2021	Winter Walkover Survey	T1	1:33 starting at 11:50	Visibility: good; Wind speed and direction: gale SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: light; Snow: none	Ground lightly frozen, but no frost.	PW
12/02/2021	Winter Walkover Survey	T2	1:04 starting at 13:49	Visibility: good; Wind speed and direction: gale SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: light; Snow: falling	Ground lightly frozen, but no frost. Very light snow.	PW
12/02/2021	Winter Walkover Survey	T2	1:23 starting at 14:53	Visibility: good; Wind speed and direction: near gale SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: light; Snow: none	Coillte surveyor working in main forestry on south side of site in clear fell. Works at easternmost forestry block also.	PW
22/03/2021	Winter Walkover Survey	T1	1:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none	Forestry operations (felling) in progress on northern side of site in middle part.	PW
22/03/2021	Winter Walkover Survey	T1	2:32 starting at 13:00	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
22/03/2021	Winter Walkover Survey	T2	2:28 starting at 16:02	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
27/10/2021	Winter Walkover Survey	T1 & T2	6:00 starting at 12:30	Visibility: poor; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% <150m; Rain: heavy showers; Frost: none; Snow: none		SP
24/11/2021	Winter Walkover Survey	T1	1:00 starting at 11:00	Visibility: moderate; Wind speed and direction: light air NW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		JM
24/11/2021	Winter Walkover Survey	T1	1:00 starting at 12:00	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
24/11/2021	Winter Walkover Survey	T1	1:00 starting at 13:00	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
24/11/2021	Winter Walkover Survey	T1	1:00 starting at 14:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
25/11/2021	Winter Walkover Survey	T2	1:00 starting at 10:00	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: light; Snow: none		JM
25/11/2021	Winter Walkover Survey	T2	1:00 starting at 11:00	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
25/11/2021	Winter Walkover Survey	T2	1:00 starting at 12:00	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
25/11/2021	Winter Walkover Survey	T2	0:30 starting at 13:00	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
12/01/2022	Winter Walkover Survey	T2a	1:45 starting at 10:00	Visibility: good; Wind speed and direction: calm NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
12/01/2022	Winter Walkover Survey	T2	1:00 starting at 12:10	Visibility: good; Wind speed and direction: calm NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
12/01/2022	Winter Walkover Survey	T1	2:35 starting at 13:25	Visibility: good; Wind speed and direction: calm NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
08/03/2022	Winter Walkover Survey	T2	2:00 starting at 10:30	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		JM
08/03/2022	Winter Walkover Survey	T1	2:30 starting at 13:00	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
08/03/2022	Winter Walkover Survey	T1	1:00 starting at 15:30	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		JM

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Table 7-2- 6 Waterbird Distribution Survey Effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
18/08/2020	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 08:55	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		PW
18/08/2020	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 09:55	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		PW
18/08/2020	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 10:55	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
31/08/2020	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 17:00	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
31/08/2020	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 18:00	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
31/08/2020	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 20:00	Visibility: good; Wind speed and direction: light air SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
04/09/2020	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 16:43	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
04/09/2020	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 17:43	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
04/09/2020	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 18:43	Visibility: good; Wind speed and direction: fresh breeze W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
18/09/2020	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 12:52	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
18/09/2020	Waterbird Distribution Survey	5km Survey Radius	2:00 starting at 13:52	Visibility: good; Wind speed and direction: fresh breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
12/10/2020	Waterbird Distribution Survey	5km Survey Radius	3:00 starting at 12:50	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
23/10/2020	Waterbird Distribution Survey	5km Survey Radius	3:00 starting at 13:25	Visibility: good; Wind speed and direction: moderate breeze WSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
04/11/2020	Waterbird Distribution Survey	5km Survey Radius	3:20 starting at 08:17	Visibility: good; Wind speed and direction: light breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: light; Snow: none		PW
18/11/2020	Waterbird Distribution Survey	5km Survey Radius	3:00 starting at 11:05	Visibility: good; Wind speed and direction: fresh breeze WSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
20/11/2020	Waterbird Distribution Survey	5km Survey Radius	3:19 starting at 08:41	Visibility: good; Wind speed and direction: gentle breeze SSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
04/12/2020	Waterbird Distribution Survey	5km Survey Radius	3:25 starting at 13:28	Visibility: good; Wind speed and direction: moderate breeze NNW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		PW
21/12/2020	Waterbird Distribution Survey	5km Survey Radius	3:00 starting at 11:20	Visibility: good; Wind speed and direction: light breeze SSE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
06/01/2021	Waterbird Distribution Survey	5km Survey Radius	3:00 starting at 10:50	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: light; Snow: none		PW
29/01/2021	Waterbird Distribution Survey	5km Survey Radius	3:28 starting at 10:52	Visibility: good; Wind speed and direction: fresh breeze WNW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
10/02/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 12:17	Visibility: good; Wind speed and direction: fresh breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
10/02/2021	Waterbird Distribution Survey	5km Survey Radius	2:08 starting at 13:17	Visibility: good; Wind speed and direction: fresh breeze E; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
25/02/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 15:40	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
25/02/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 16:40	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
25/02/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 17:40	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
11/03/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 06:55	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% 150-500m; Rain: heavy showers; Frost: none; Snow: none	Survey cut short due to transport issues	PW
11/03/2021	Waterbird Distribution Survey	5km Survey Radius	0:25 starting at 08:40	Visibility: good; Wind speed and direction: fresh breeze S; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		PW
11/03/2021	Waterbird Distribution Survey	5km Survey Radius	2:00 starting at 15:33	Visibility: good; Wind speed and direction: moderate breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		PW
31/03/2021	Waterbird Distribution Survey	5km Survey Radius	3:20 starting at 15:00	Visibility: good; Wind speed and direction: light air N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
15/04/2021	Waterbird Distribution Survey	5km Survey Radius	2:00 starting at 09:25	Visibility: good; Wind speed and direction: gentle breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
15/04/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 11:25	Visibility: good; Wind speed and direction: moderate breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
27/04/2021	Waterbird Distribution Survey	5km Survey Radius	3:00 starting at 08:50	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		PW
11/05/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 14:10	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
11/05/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 15:10	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
11/05/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 16:10	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		TR
11/05/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 17:10	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-101% 150-500m; Rain: none; Frost: none; Snow: none		TR
11/05/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 18:10	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-102% 150-500m; Rain: none; Frost: none; Snow: none		TR
11/05/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 19:10	Visibility: good; Wind speed and direction: moderate breeze NW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		TR
21/05/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 14:30	Visibility: moderate; Wind speed and direction: strong breeze E; Cloud cover and height: 66-100% <150m; Rain: light showers; Frost: none; Snow: none		TR
21/05/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 15:30	Visibility: moderate; Wind speed and direction: strong breeze E; Cloud cover and height: 66-101% <150m; Rain: light showers; Frost: none; Snow: none		TR
21/05/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 16:30	Visibility: moderate; Wind speed and direction: strong breeze E; Cloud cover and height: 66-102% <150m; Rain: light showers; Frost: none; Snow: none		TR
21/05/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 17:30	Visibility: moderate; Wind speed and direction: strong breeze E; Cloud cover and height: 66-103% <150m; Rain: light showers; Frost: none; Snow: none		TR
21/05/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 18:30	Visibility: moderate; Wind speed and direction: strong breeze E; Cloud cover and height: 66-104% <150m; Rain: light showers; Frost: none; Snow: none		TR
21/05/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 19:30	Visibility: moderate; Wind speed and direction: strong breeze E; Cloud cover and height: 66-105% <150m; Rain: light showers; Frost: none; Snow: none		TR

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
09/08/2021	Waterbird Distribution Survey	5km Survey Radius	1:45 starting at 12:45	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: heavy showers; Frost: none; Snow: none		PW
09/08/2021	Waterbird Distribution Survey	5km Survey Radius	1:15 starting at 14:30	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
26/08/2021	Waterbird Distribution Survey	5km Survey Radius	3:00 starting at 14:25	Visibility: good; Wind speed and direction: light breeze NE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
06/09/2021	Waterbird Distribution Survey	5km Survey Radius	3:10 starting at 15:05	Visibility: good; Wind speed and direction: light air SE; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
27/09/2021	Waterbird Distribution Survey	5km Survey Radius	3:02 starting at 16:13	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: light showers; Frost: none; Snow: none		PW
19/10/2021	Waterbird Distribution Survey	5km Survey Radius	6:00 starting at 09:00	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		SP
16/11/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 09:30	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
16/11/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 10:30	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JM
16/11/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 11:30	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JM
29/11/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 09:00	Visibility: good; Wind speed and direction: calm SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
29/11/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 10:00	Visibility: moderate; Wind speed and direction: calm SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		JM
29/11/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 11:00	Visibility: poor; Wind speed and direction: calm SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		JM

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Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
29/11/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 12:00	Visibility: limited; Wind speed and direction: calm SW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		JM
09/12/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 08:45	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		JM
09/12/2021	Waterbird Distribution Survey	5km Survey Radius	2:30 starting at 09:45	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		JM
21/12/2021	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 08:30	Visibility: moderate; Wind speed and direction: light air SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
21/12/2021	Waterbird Distribution Survey	5km Survey Radius	2:30 starting at 09:30	Visibility: good; Wind speed and direction: light air SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
11/01/2022	Waterbird Distribution Survey	5km Survey Radius	1:00 starting at 10:00	Visibility: good; Wind speed and direction: calm SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
11/01/2022	Waterbird Distribution Survey	5km Survey Radius	2:30 starting at 11:00	Visibility: good; Wind speed and direction: calm SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
27/01/2022	Waterbird Distribution Survey	5km Survey Radius	2:00 starting at 12:00	Visibility: good; Wind speed and direction: gentle breeze N; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
27/01/2022	Waterbird Distribution Survey	5km Survey Radius	1:45 starting at 14:00	Visibility: good; Wind speed and direction: light air N; Cloud cover and height: 0-33% 150-500m; Rain: none; Frost: none; Snow: none		JM
07/02/2022	Waterbird Distribution Survey	5km Survey Radius	0:30 starting at 13:30	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		JM
07/02/2022	Waterbird Distribution Survey	5km Survey Radius	3:00 starting at 14:00	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
20/02/2022	Waterbird Distribution Survey	5km Survey Radius	2:00 starting at 12:30	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: persistent; Frost: none; Snow: none		JM



Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
20/02/2022	Waterbird Distribution Survey	5km Survey Radius	1:30 starting at 14:30	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
14/03/2022	Waterbird Distribution Survey	5km Survey Radius	3:30 starting at 14:00	Visibility: good; Wind speed and direction: light breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
28/03/2022	Waterbird Distribution Survey	5km Survey Radius	3:30 starting at 13:30	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
21/04/2022	Waterbird Distribution Survey	5km Survey Radius	3:30 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		CB
26/04/2022	Waterbird Distribution Survey	5km Survey Radius	3:00 starting at 10:30	Visibility: good; Wind speed and direction: light breeze SE; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		CB
04/05/2022	Waterbird Distribution Survey	5km Survey Radius	2:30 starting at 13:15	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		CB
24/05/2022	Waterbird Distribution Survey	5km Survey Radius	2:00 starting at 17:30	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		CB

Table 7-2-7 Hen Harrier Roost Survey Effort

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
12/10/2020	[REDACTED]	HHVP1	2:15 starting at 17:08	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
23/10/2020	[REDACTED]	HHVP2	2:03 starting at 16:44	Visibility: good; Wind speed and direction: gentle breeze SSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
18/11/2020	[REDACTED]	HHVP1	2:19 starting at 14:58	Visibility: good; Wind speed and direction: fresh breeze WSW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
20/11/2020	[REDACTED]	HHVP2	2:02 starting at 15:08	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
08/12/2020	[REDACTED]	HHVP1	2:18 starting at 14:42	Visibility: good; Wind speed and direction: moderate breeze NNW; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		PW
23/12/2020	[REDACTED]	HHVP2	2:09 starting at 14:40	Visibility: good; Wind speed and direction: fresh breeze N; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
06/01/2021	[REDACTED]	HHVP1	2:27 starting at 14:58	Visibility: good; Wind speed and direction: light breeze NW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: heavy; Snow: none		PW
25/01/2021	[REDACTED]	HHVP3	2:20 starting at 15:30	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: light; Snow: on ground		PW
10/02/2021	[REDACTED]	HHVP1	1:00 starting at 16:00	Visibility: good; Wind speed and direction: moderate breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: light; Snow: none		PW
10/02/2021	[REDACTED]	HHVP1	1:15 starting at 17:00	Visibility: good; Wind speed and direction: gentle breeze NE; Cloud cover and height: 66-100% >500m; Rain: none; Frost: light; Snow: none		PW
02/03/2021	[REDACTED]	HHVP4	2:00 starting at 16:38	Visibility: good; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW

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Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
02/03/2021	[REDACTED]	HHVP4	0:12 starting at 18:38	Visibility: poor; Wind speed and direction: light breeze E; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
24/03/2021	[REDACTED]	HHVP1	1:00 starting at 17:18	Visibility: good; Wind speed and direction: fresh breeze SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		PW
24/03/2021	[REDACTED]	HHVP1	1:14 starting at 18:18	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 66-100% >500m; Rain: drizzle; Frost: none; Snow: none	Very light showers.	PW
31/03/2021	[REDACTED]	HHVP4	2:10 starting at 18:30	Visibility: good; Wind speed and direction: light air N; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		PW
19/10/2021	[REDACTED]	HHVP1	3:15 starting at 15:45	Visibility: moderate; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		SP
16/11/2021	[REDACTED]	HHVP4	1:00 starting at 06:53	Visibility: none; Wind speed and direction: light air SW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
16/11/2021	[REDACTED]	HHVP4	1:00 starting at 07:53	Visibility: moderate; Wind speed and direction: light air SW; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JM
16/11/2021	[REDACTED]	HHVP4	0:30 starting at 08:53	Visibility: good; Wind speed and direction: light air SW; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JM
22/11/2021	[REDACTED]	HHVP3	1:00 starting at 15:00	Visibility: good; Wind speed and direction: calm WNW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
22/11/2021	[REDACTED]	HHVP3	1:00 starting at 16:00	Visibility: good; Wind speed and direction: light air WNW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
22/11/2021	[REDACTED]	HHVP3	0:30 starting at 17:00	Visibility: poor; Wind speed and direction: light breeze WNW; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
09/12/2021	[REDACTED]	HHVP2	2:00 starting at 14:42	Visibility: moderate; Wind speed and direction: fresh breeze NW; Cloud cover and height: 66-100% <150m; Rain: drizzle; Frost: none; Snow: none		JM
09/12/2021	[REDACTED]	HHVP2	0:30 starting at 16:42	Visibility: poor; Wind speed and direction: moderate breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
15/12/2021	[REDACTED]	HHVP1	1:00 starting at 14:40	Visibility: good; Wind speed and direction: gentle breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
15/12/2021	[REDACTED]	HHVP1	1:00 starting at 15:40	Visibility: good; Wind speed and direction: light breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
15/12/2021	[REDACTED]	HHVP1	0:30 starting at 16:40	Visibility: poor; Wind speed and direction: light air W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
11/01/2022	[REDACTED]	HHVP4	1:00 starting at 15:00	Visibility: good; Wind speed and direction: calm W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
11/01/2022	[REDACTED]	HHVP4	1:00 starting at 16:00	Visibility: good; Wind speed and direction: calm W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
11/01/2022	[REDACTED]	HHVP4	0:30 starting at 17:00	Visibility: poor; Wind speed and direction: calm W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM
24/01/2022	[REDACTED]	HHVP3	2:30 starting at 15:30	Visibility: moderate; Wind speed and direction: gentle breeze E; Cloud cover and height: 66-100% <150m; Rain: none; Frost: none; Snow: none		JM
03/02/2022	[REDACTED]	HHVP1	1:30 starting at 15:45	Visibility: good; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
03/02/2022	[REDACTED]	HHVP1	1:00 starting at 17:15	Visibility: moderate; Wind speed and direction: gentle breeze SW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM

Date	Survey	Location	Duration (h)	Weather Conditions	Comments	Surveyor
13/02/2022	[REDACTED]	HHVP2	1:00 starting at 16:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
13/02/2022	[REDACTED]	HHVP2	1:00 starting at 17:00	Visibility: good; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: drizzle; Frost: none; Snow: none		JM
13/02/2022	[REDACTED]	HHVP2	0:30 starting at 18:00	Visibility: poor; Wind speed and direction: gentle breeze NW; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
07/03/2022	[REDACTED]	HHVP3	2:30 starting at 16:45	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		JM
21/03/2022	[REDACTED]	HHVP4	2:30 starting at 17:10	Visibility: good; Wind speed and direction: light air W; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JM

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