

ANNEX D. ORNITHOLOGICAL SURVEY RESULTS

D.1 Flight Activity Records: Target Species

All flights of target species (refer to **Technical Appendix 6.1, EIAR Volume 4** for the definition of target species) within the turbine area and the surrounding area were mapped and are detailed in **Table D-1**.

Table D-1 Details of target species recorded during flight activity surveys (sorted chronologically)

Date	Observer	VP	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA (seconds)						Outside CRAA (seconds)					
							0-20m	21-40m	41-100m	101-150m	150-200m	>200m	0-20m	21-40m	41-100m	101-150m	150-200m	>200m
07/04/2021	JM	3	1222	Red kite	1	8	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00
09/04/2021	JM	4	0931	Red kite	1	253	0.00	0.00	37.89	89.92	0.00	0.00	0.00	0.00	37.11	88.08	0.00	0.00
09/04/2021	JM	4	0943	Red kite	1	68	0.00	0.00	36.14	28.53	0.00	0.00	0.00	0.00	1.86	1.47	0.00	0.00
09/04/2021	JM	4	0947	Red kite	1	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	0.00	0.00
09/04/2021	JM	4	1001	Red kite	1	680	0.00	0.00	0.00	0.00	0.00	0.00	60.00	230.00	300.00	90.00	0.00	0.00
09/04/2021	JM	4	1022	Red kite	1	130	0.00	9.17	2.75	0.00	0.00	0.00	0.00	90.83	27.25	0.00	0.00	0.00
09/04/2021	JM	4	1316	Red kite	1	42	0.00	0.00	0.00	0.00	0.00	0.00	12.00	15.00	15.00	0.00	0.00	0.00
09/04/2021	JM	4	1328	Red kite	3	149	0.00	0.00	0.00	0.00	0.00	0.00	45.00	104.00	0.00	0.00	0.00	0.00
13/04/2021	JM	1	0836	Whooper swan	9	40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	25.00	0.00
13/04/2021	JM	1	0838	Golden plover	50	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	16.00	0.00	0.00
13/04/2021	JM	1	0859	Greylag goose	75	142	0.00	0.00	0.00	0.00	0.00	47.46	0.00	0.00	0.00	0.00	94.54	0.00
13/04/2021	JM	1	0901	Greylag goose	120	129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	129.00	0.00
13/04/2021	JM	1	0915	Greylag goose	185	124	0.00	0.00	0.00	0.00	0.00	59.72	0.00	0.00	0.00	0.00	64.28	0.00
13/04/2021	JM	1	0939	Curlew	1	65	0.00	0.00	0.00	0.00	0.00	0.00	65.00	0.00	0.00	0.00	0.00	0.00
13/04/2021	JM	1	1006	Curlew	1	5	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00
13/04/2021	JM	1	1027	Greylag goose	2	112	0.00	0.00	75.27	0.00	0.00	0.00	0.00	0.00	36.73	0.00	0.00	0.00
13/04/2021	JM	1	1059	Greylag goose	80	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	0.00
13/04/2021	JM	1	1102	Greylag goose	80	88	0.00	0.00	0.00	0.00	0.00	6.74	0.00	0.00	0.00	0.00	81.26	0.00
13/04/2021	JM	1	1114	Greylag goose	65	55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.00	0.00
13/04/2021	JM	1	9855	Greylag goose	92	108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.00	0.00
14/04/2021	JM	4	0839	Red kite	1	88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.00	60.00	0.00
14/04/2021	JM	4	0943	Red kite	2	55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.00	0.00
14/04/2021	JM	4	1141	Red kite	1	22	0.00	0.00	0.00	0.00	0.00	0.00	22.00	0.00	0.00	0.00	0.00	0.00
14/04/2021	JM	4	1347	Red kite	1	76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.00	30.00	0.00	0.00
15/04/2021	JM	1	0726	Greylag goose	50	126	49.39	33.59	0.00	0.00	0.00	0.00	25.61	17.41	0.00	0.00	0.00	0.00
15/04/2021	JM	1	0738	Greylag goose	3	68	0.00	68.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15/04/2021	JM	1	0749	Greylag goose	42	104	0.00	9.60	23.69	0.00	0.00	0.00	0.00	20.40	50.31	0.00	0.00	0.00
15/04/2021	JM	1	1139	Greylag goose	82	112	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	67.00	0.00
26/04/2021	JM	2	1151	Red kite	1	221	0.00	0.00	0.00	70.53	44.93	0.00	0.00	0.00	0.00	64.47	41.07	0.00
24/05/2021	DS	1	1516	Red kite	1	311	0.00	0.00	60.00	251.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24/05/2021	DS	1	1536	Red kite	1	96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.00	0.00	0.00
24/05/2021	DS	1	1550	Red kite	2	934	120.51	107.12	271.38	334.76	0.00	0.00	14.49	12.88	32.62	40.24	0.00	0.00
27/05/2021	JR	2	1130	Red kite	1	24	0.00	12.61	0.00	0.00	0.00	0.00	0.00	11.39	0.00	0.00	0.00	0.00
27/05/2021	JR	2	1200	Red kite	2	370	68.94	53.62	80.43	80.43	0.00	0.00	21.06	16.38	24.57	24.57	0.00	0.00
27/05/2021	JR	2	1228	Golden eagle	1	64	1.71	4.04	0.00	0.00	0.00	0.00	17.29	40.96	0.00	0.00	0.00	0.00
27/05/2021	JR	2	1234	Golden eagle	1	480	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	60.00	30.00	360.00	0.00
27/05/2021	JR	2	1351	Red kite	2	71	0.00	10.51	39.22	0.00	0.00	0.00	0.00	4.49	16.78	0.00	0.00	0.00
27/05/2021	JR	2	1408	Golden eagle	1	171	0.00	5.25	22.49	11.24	3.75	0.00	0.00	15.75	67.51	33.76	11.25	0.00
27/05/2021	JR	2	1418	Golden eagle	1	100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00
27/05/2021	JR	2	1426	Golden eagle	1	120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.00	0.00
27/05/2021	JR	2	1452	Red kite	1	27	0.00	0.00	10.69	0.00	0.00	0.00	0.00	0.00	16.31	0.00	0.00	0.00
27/05/2021	JR	2	1504	Red kite	1	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	0.00	0.00
28/05/2021	DS	3	0830	Red kite	1	318	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	165.00	153.00	0.00
31/05/2021	JR	1	1102	Golden eagle	1	114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.00	30.00	0.00

Date	Observer	VP	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA (seconds)						Outside CRAA (seconds)					
							0-20m	21-40m	41-100m	101-150m	150-200m	>200m	0-20m	21-40m	41-100m	101-150m	150-200m	>200m
31/05/2021	JR	1	1102	Red kite	1	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	12.00	0.00	0.00	0.00
31/05/2021	JR	1	1102	Hen harrier	1	49	43.78	0.00	0.00	0.00	0.00	0.00	5.22	0.00	0.00	0.00	0.00	0.00
10/06/2021	DS	1	1301	Red kite	2	237	0.00	0.00	0.00	115.67	112.78	0.00	0.00	0.00	0.00	4.33	4.22	0.00
10/06/2021	JRM	3	1327	Golden eagle	2	40	0.00	0.00	0.00	0.00	0.00	0.00	25.00	15.00	0.00	0.00	0.00	0.00
10/06/2021	JRM	3	1347	Golden eagle	1	110	0.00	0.00	0.00	0.00	0.00	0.00	15.00	95.00	0.00	0.00	0.00	0.00
10/06/2021	JRM	3	1350	Golden eagle	1	140	0.00	0.00	0.00	0.00	0.00	0.00	15.00	45.00	80.00	0.00	0.00	0.00
11/06/2021	DS	2	1345	Golden eagle	1	10	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/06/2021	DS	2	1459	Red kite	1	66	6.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/06/2021	JRM	4	1343	Golden eagle	1	120	4.18	0.00	4.18	4.18	20.92	0.00	10.82	0.00	10.82	10.82	54.08	0.00
11/06/2021	JRM	4	1415	Red kite	1	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00
13/07/2021	JRM	4	0954	Red kite	1	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	30.00	0.00	0.00
13/07/2021	JRM	4	0957	Golden eagle	1	37	0.00	0.00	0.00	0.00	0.00	0.00	22.00	15.00	0.00	0.00	0.00	0.00
13/07/2021	JRM	4	1013	Red kite	1	150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	60.00	60.00	0.00
13/07/2021	JRM	4	1100	Golden eagle	1	250	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	225.00	0.00	0.00
13/07/2021	JRM	4	1107	Golden eagle	1	240	0.00	6.51	6.51	16.27	22.78	0.00	0.00	23.49	23.49	58.73	82.22	0.00
13/07/2021	JRM	4	1244	Red kite	1	354	0.00	20.02	32.17	32.17	0.00	0.00	0.00	63.98	102.83	102.83	0.00	0.00
14/07/2021	JRM	2	1140	Red kite	1	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00
14/07/2021	JRM	2	1213	Golden eagle	2	155	0.00	0.00	0.00	0.00	0.00	0.00	80.00	75.00	0.00	0.00	0.00	0.00
14/07/2021	JRM	2	1245	Red kite	1	450	2.48	2.48	49.55	19.82	0.00	0.00	12.52	12.52	250.45	100.18	0.00	0.00
14/07/2021	JRM	2	1546	Golden eagle	1	80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	15.00	60.00	0.00
16/07/2021	JR	1	1516	Golden eagle	1	250	0.00	40.38	127.88	0.00	0.00	0.00	0.00	19.62	62.12	0.00	0.00	0.00
16/07/2021	JR	1	1602	Red kite	1	252	0.00	78.36	114.93	26.12	0.00	0.00	0.00	11.64	17.07	3.88	0.00	0.00
16/07/2021	JR	1	1745	Golden eagle	1	560	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	125.00	270.00	150.00	0.00
16/07/2021	DS	3	1155	Red kite	1	113	0.00	0.00	0.00	0.00	0.00	0.00	23.00	30.00	60.00	0.00	0.00	0.00
22/07/2021	JR	2	1435	Peregrine falcon	1	222	12.15	60.76	85.06	21.87	0.00	0.00	2.85	14.24	19.94	5.13	0.00	0.00
22/07/2021	JR	2	1444	Red kite	1	177	0.00	76.57	52.80	26.40	0.00	0.00	0.00	10.43	7.20	3.60	0.00	0.00
22/07/2021	JR	2	1616	Red kite	1	400	9.17	79.43	64.16	45.83	45.83	0.00	5.83	50.57	40.84	29.17	29.17	0.00
22/07/2021	JR	2	1722	Golden eagle	1	172	0.00	60.67	66.33	12.13	0.00	0.00	0.00	14.33	15.67	2.87	0.00	0.00
02/08/2021	JRM	4	1342	Red kite	1	255	89.35	55.85	44.68	0.00	0.00	0.00	30.65	19.15	15.32	0.00	0.00	0.00
03/08/2021	JRM	4	1204	Peregrine falcon	1	290	27.14	27.14	208.11	0.00	0.00	0.00	2.86	2.86	21.89	0.00	0.00	0.00
03/08/2021	JRM	4	1355	Golden eagle	1	1000	353.24	293.66	165.98	38.30	0.00	0.00	61.76	51.34	29.02	6.70	0.00	0.00
03/08/2021	JRM	4	1510	Golden eagle	1	90	40.48	13.49	26.99	0.00	0.00	0.00	4.52	1.51	3.01	0.00	0.00	0.00
03/08/2021	JRM	4	1540	Red kite	1	420	0.00	255.37	141.87	0.00	0.00	0.00	0.00	14.63	8.13	0.00	0.00	0.00
03/08/2021	JRM	4	1719	Golden eagle	2	176	27.83	55.66	79.78	0.00	0.00	0.00	2.17	4.34	6.22	0.00	0.00	0.00
04/08/2021	JRM	1	1105	Red kite	1	204	20.48	30.72	88.05	0.00	0.00	0.00	9.52	14.28	40.95	0.00	0.00	0.00
04/08/2021	JRM	1	1119	Golden eagle	1	87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	57.00	0.00	0.00	0.00
05/08/2021	JRM	1	1155	Peregrine falcon	1	36	2.98	2.13	0.00	0.00	0.00	0.00	18.02	12.87	0.00	0.00	0.00	0.00
09/08/2021	JR	3	0736	Merlin	1	12	0.00	0.00	0.00	0.00	0.00	0.00	12.00	0.00	0.00	0.00	0.00	0.00
09/08/2021	JR	3	0944	Red kite	1	41	0.00	0.00	0.00	0.00	0.00	0.00	15.00	26.00	0.00	0.00	0.00	0.00
09/08/2021	JR	3	1102	Golden eagle	1	660	0.00	0.00	0.00	0.00	0.00	0.00	30.00	75.00	120.00	150.00	285.00	0.00
09/08/2021	JR	3	1231	Red kite	1	750	0.00	0.00	0.00	0.00	0.00	0.00	0.00	375.00	225.00	150.00	0.00	0.00
20/08/2021	JR	3	1158	Merlin	1	21	0.00	0.00	0.00	0.00	0.00	0.00	21.00	0.00	0.00	0.00	0.00	0.00
24/08/2021	JR	2	1110	Merlin	1	33	0.27	1.37	1.37	0.00	0.00	0.00	2.73	13.63	13.63	0.00	0.00	0.00
24/08/2021	JR	2	1156	Golden eagle	1	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.00	0.00	0.00	0.00
06/09/2021	MW	6	1011	Hen harrier	1	48	25.55	0.00	0.00	0.00	0.00	0.00	22.45	0.00	0.00	0.00	0.00	0.00
06/09/2021	MW	6	1240	Hen harrier	1	70	49.87	0.00	0.00	0.00	0.00	0.00	20.13	0.00	0.00	0.00	0.00	0.00
07/09/2021	MW	5	0946	Merlin	1	33	0.00	0.00	0.00	0.00	0.00	0.00	33.00	0.00	0.00	0.00	0.00	0.00
07/09/2021	MW	5	1012	Hen harrier	1	50	0.00	0.00	0.00	0.00	0.00	0.00	30.00	20.00	0.00	0.00	0.00	0.00
07/09/2021	MW	5	1100	Osprey	1	35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.00
07/09/2021	MW	5	1240	Golden eagle	3	105	45.82	0.00	0.00	0.00	0.00	0.00	59.18	0.00	0.00	0.00	0.00	0.00
07/09/2021	MW	5	1450	Golden eagle	3	75	34.95	0.00	0.00	0.00	0.00	0.00	40.05	0.00	0.00	0.00	0.00	0.00

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							0-20m	21-40m	41-100m	101-150m	150-200m	>200m	0-20m	21-40m	41-100m	101-150m	150-200m	>200m
07/09/2021	MW	5	1515	Golden eagle	2	90	89.95	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
07/09/2021	MW	5	1520	Golden eagle	1	35	2.50	0.00	0.00	0.00	0.00	0.00	32.50	0.00	0.00	0.00	0.00	0.00
08/09/2021	MW	3	0919	Peregrine falcon	2	35	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.00	0.00	0.00
08/09/2021	MW	3	0932	Peregrine falcon	1	30	0.00	0.00	0.00	0.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00
08/09/2021	MW	3	0935	Peregrine falcon	1	35	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.00	0.00	0.00
08/09/2021	MW	3	0940	Merlin	1	20	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
08/09/2021	MW	3	0944	Merlin	1	25	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00
08/09/2021	MW	3	1000	Peregrine falcon	1	34	0.00	0.00	0.00	0.00	0.00	0.00	34.00	0.00	0.00	0.00	0.00	0.00
08/09/2021	MW	3	1017	Red kite	1	75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.00	0.00	0.00	0.00	0.00
08/09/2021	MW	3	1358	Golden eagle	1	65	0.00	0.00	0.00	0.00	0.00	0.00	65.00	0.00	0.00	0.00	0.00	0.00
08/09/2021	MW	3	1430	Golden eagle	1	20	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
08/09/2021	MW	3	1455	Golden eagle	1	75	0.00	0.00	0.00	0.00	0.00	0.00	30.00	45.00	0.00	0.00	0.00	0.00
08/09/2021	MW	3	1508	White-tailed eagle	1	95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.00	60.00	0.00	0.00	0.00
08/09/2021	MW	3	1524	Golden eagle	1	80	0.00	0.00	0.00	0.00	0.00	0.00	20.00	45.00	15.00	0.00	0.00	0.00
20/09/2021	MW	3	1020	Golden eagle	1	70	0.00	0.00	0.00	0.00	0.00	0.00	70.00	0.00	0.00	0.00	0.00	0.00
20/09/2021	MW	3	1034	Merlin	1	20	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00
20/09/2021	MW	3	1044	Peregrine falcon	1	70	0.00	0.00	0.00	0.00	0.00	0.00	70.00	0.00	0.00	0.00	0.00	0.00
20/09/2021	MW	3	1055	Peregrine falcon	1	35	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.00	0.00	0.00
20/09/2021	MW	3	1141	Merlin	1	33	0.00	0.00	0.00	0.00	0.00	0.00	33.00	0.00	0.00	0.00	0.00	0.00
20/09/2021	MW	3	1201	Red kite	2	100	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00
20/09/2021	MW	3	1206	Hen harrier	1	55	0.00	0.00	0.00	0.00	0.00	0.00	55.00	0.00	0.00	0.00	0.00	0.00
20/09/2021	MW	3	1310	Red kite	3	90	0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00
20/09/2021	MW	3	1342	Red kite	1	48	0.00	0.00	0.00	0.00	0.00	0.00	33.00	15.00	0.00	0.00	0.00	0.00
20/09/2021	MW	3	1412	Golden eagle	1	47	0.00	0.00	0.00	0.00	0.00	0.00	47.00	0.00	0.00	0.00	0.00	0.00
21/09/2021	MW	4	0800	Golden eagle	1	75	57.53	0.00	0.00	0.00	0.00	0.00	17.47	0.00	0.00	0.00	0.00	0.00
21/09/2021	MW	4	0814	Golden eagle	1	48	29.08	0.00	0.00	0.00	0.00	0.00	18.92	0.00	0.00	0.00	0.00	0.00
21/09/2021	MW	4	0822	Golden eagle	3	50	1.67	2.51	0.00	0.00	0.00	0.00	18.33	27.49	0.00	0.00	0.00	0.00
21/09/2021	MW	4	0844	Golden eagle	1	135	99.46	0.00	0.00	0.00	0.00	0.00	35.54	0.00	0.00	0.00	0.00	0.00
21/09/2021	MW	4	0940	Red kite	2	135	125.96	0.00	0.00	0.00	0.00	0.00	9.04	0.00	0.00	0.00	0.00	0.00
21/09/2021	MW	4	1300	Red kite	2	120	0.00	0.00	0.00	0.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00
21/09/2021	MW	4	1320	Merlin	1	30	1.99	0.00	0.00	0.00	0.00	0.00	28.01	0.00	0.00	0.00	0.00	0.00
22/09/2021	MW	6	0800	Hen harrier	1	65	42.15	0.00	0.00	0.00	0.00	0.00	22.85	0.00	0.00	0.00	0.00	0.00
22/09/2021	MW	6	0920	Golden eagle	1	90	21.49	10.74	0.00	0.00	0.00	0.00	38.51	19.26	0.00	0.00	0.00	0.00
15/10/2021	DS	4	1212	Golden eagle	1	138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	45.00	75.00	0.00
15/10/2021	DS	4	1258	Red kite	1	59	0.00	13.53	29.00	14.50	0.00	0.00	0.00	0.47	1.00	0.50	0.00	0.00
15/10/2021	DS	4	1420	Golden eagle	1	118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	118.00	0.00	0.00
15/10/2021	DS	4	1525	Red kite	2	140	0.00	0.00	0.00	0.00	0.00	0.00	20.00	60.00	30.00	30.00	0.00	0.00
15/10/2021	DS	4	1535	Red kite	1	383	35.81	16.44	43.85	43.85	0.00	0.00	62.19	28.56	76.15	76.15	0.00	0.00
15/10/2021	DS	4	1633	Red kite	1	196	0.00	0.00	0.00	0.00	0.00	0.00	196.00	0.00	0.00	0.00	0.00	0.00
21/10/2021	DS	6	1116	Golden eagle	3	340	0.00	0.00	27.44	41.16	9.15	0.00	0.00	0.00	92.56	138.84	30.85	0.00
21/10/2021	DS	6	1140	Barnacle goose	14	85	0.00	0.00	0.00	76.50	0.00	0.00	0.00	0.00	0.00	8.50	0.00	0.00
21/10/2021	DS	6	1243	Red kite	2	415	94.35	49.22	135.37	61.53	0.00	0.00	20.65	10.78	29.63	13.47	0.00	0.00
21/10/2021	DS	6	1454	Red kite	1	98	24.86	6.63	49.71	0.00	0.00	0.00	5.14	1.37	10.29	0.00	0.00	0.00
21/10/2021	DS	6	1507	Red kite	1	111	19.30	21.87	6.43	0.00	0.00	0.00	25.70	29.13	8.57	0.00	0.00	0.00
21/10/2021	DS	6	1540	Red kite	1	180	62.74	62.74	0.00	0.00	0.00	0.00	27.26	27.26	0.00	0.00	0.00	0.00
21/10/2021	DS	6	1548	Pink-footed goose	21	65	0.00	0.00	0.00	52.56	0.00	0.00	0.00	0.00	0.00	12.44	0.00	0.00
27/10/2021	MW	5	1002	Golden eagle	2	25	15.40	0.00	0.00	0.00	0.00	0.00	9.60	0.00	0.00	0.00	0.00	0.00
27/10/2021	MW	5	1050	Golden eagle	2	40	4.45	2.67	0.00	0.00	0.00	0.00	20.55	12.33	0.00	0.00	0.00	0.00
27/10/2021	MW	5	1106	Hen harrier	1	90	58.35	0.00	0.00	0.00	0.00	0.00	31.65	0.00	0.00	0.00	0.00	0.00
27/10/2021	MW	5	1112	Peregrine falcon	1	45	0.16	0.08	0.00	0.00	0.00	0.00	29.84	14.92	0.00	0.00	0.00	0.00
27/10/2021	MW	5	1140	Red kite	2	105	102.04	0.00	0.00	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00	0.00

Date	Observer	VP	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA (seconds)						Outside CRAA (seconds)					
							0-20m	21-40m	41-100m	101-150m	150-200m	>200m	0-20m	21-40m	41-100m	101-150m	150-200m	>200m
27/10/2021	MW	5	1158	Red kite	2	75	21.28	14.18	0.00	0.00	0.00	0.00	23.72	15.82	0.00	0.00	0.00	0.00
27/10/2021	MW	5	1240	Red kite	3	100	26.09	39.13	0.00	0.00	0.00	0.00	13.91	20.87	0.00	0.00	0.00	0.00
27/10/2021	MW	5	1440	Red kite	4	75	2.27	1.51	0.00	0.00	0.00	0.00	42.73	28.49	0.00	0.00	0.00	0.00
28/10/2021	MW	3	0825	Hen harrier	1	25	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00
28/10/2021	MW	3	0850	Hen harrier	1	45	0.00	0.00	0.00	0.00	0.00	0.00	45.00	0.00	0.00	0.00	0.00	0.00
28/10/2021	MW	3	0916	Hen harrier	1	75	0.00	0.00	0.00	0.00	0.00	0.00	75.00	0.00	0.00	0.00	0.00	0.00
28/10/2021	MW	3	1018	Red kite	3	95	0.00	0.00	0.00	0.00	0.00	0.00	95.00	0.00	0.00	0.00	0.00	0.00
28/10/2021	MW	3	1100	Red kite	7	120	0.00	0.00	0.00	0.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00
28/10/2021	MW	3	1333	Hen harrier	1	60	0.00	0.00	0.00	0.00	0.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00
28/10/2021	MW	3	1410	Red kite	2	60	0.00	0.00	0.00	0.00	0.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00
28/10/2021	MW	3	1430	Red kite	4	75	0.00	0.00	0.00	0.00	0.00	0.00	75.00	0.00	0.00	0.00	0.00	0.00
29/10/2021	MW	5	1015	Red kite	2	90	47.09	23.55	0.00	0.00	0.00	0.00	12.91	6.45	0.00	0.00	0.00	0.00
29/10/2021	MW	5	1112	Red kite	3	75	0.00	0.00	0.00	0.00	0.00	0.00	75.00	0.00	0.00	0.00	0.00	0.00
29/10/2021	MW	5	1217	Hen harrier	1	60	25.61	0.00	0.00	0.00	0.00	0.00	34.39	0.00	0.00	0.00	0.00	0.00
22/11/2021	MW	4	1025	Red kite	1	100	56.65	24.28	0.00	0.00	0.00	0.00	13.35	5.72	0.00	0.00	0.00	0.00
22/11/2021	MW	4	1140	Red kite	1	80	0.00	0.00	0.00	0.00	0.00	0.00	35.00	45.00	0.00	0.00	0.00	0.00
22/11/2021	MW	4	1200	Red kite	1	90	25.30	25.30	0.00	0.00	0.00	0.00	19.70	19.70	0.00	0.00	0.00	0.00
22/11/2021	JM	6	0926	Red kite	1	44	0.00	0.00	13.09	0.00	0.00	0.00	0.00	0.00	30.91	0.00	0.00	0.00
22/11/2021	JM	6	1009	Golden eagle	2	127	0.00	0.00	52.07	28.57	0.00	0.00	0.00	0.00	29.93	16.43	0.00	0.00
22/11/2021	JM	6	1034	Red kite	1	35	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.00	0.00	0.00
22/11/2021	JM	6	1234	Red kite	1	174	0.00	0.95	0.51	0.51	0.00	0.00	0.00	83.05	44.49	44.49	0.00	0.00
22/11/2021	JM	6	1241	Red kite	3	202	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	127.00	75.00	0.00	0.00
22/11/2021	JM	6	1253	Red kite	1	60	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22/11/2021	JM	6	1258	Red kite	1	194	0.00	1.50	0.90	0.90	0.58	0.00	0.00	73.50	44.10	44.10	28.42	0.00
22/11/2021	JM	6	1311	Red kite	1	136	0.00	0.00	76.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22/11/2021	JM	6	1311	Golden eagle	1	233	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.00	158.00	0.00
22/11/2021	JM	6	1333	Red kite	1	97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.00	30.00	0.00
23/11/2021	JM	3	0908	Red kite	1	133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00	73.00	0.00	0.00
23/11/2021	JM	3	1039	Red kite	1	51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00	30.00	0.00	0.00	0.00
23/11/2021	JM	3	1044	Red kite	1	92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	30.00	0.00	0.00
23/11/2021	JM	3	1053	Red kite	1	67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.00	0.00	0.00
23/11/2021	JM	3	1105	Golden eagle	3	66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.00	0.00
23/11/2021	JM	3	1156	Red kite	2	36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.00	0.00	0.00
23/11/2021	JM	3	1243	Red kite	2	205	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	130.00	75.00	0.00
23/11/2021	JM	3	1329	Red kite	1	98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.00	45.00	0.00	0.00
23/11/2021	JM	3	1339	Red kite	2	79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.00	30.00	0.00	0.00
23/11/2021	MW	5	0935	Red kite	1	60	0.00	0.00	0.00	0.00	0.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00
23/11/2021	MW	5	1000	Hen harrier	1	50	41.51	0.00	0.00	0.00	0.00	0.00	8.49	0.00	0.00	0.00	0.00	0.00
23/11/2021	MW	5	1028	Hen harrier	1	55	55.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23/11/2021	MW	5	1040	Red kite	2	60	0.00	0.00	0.00	0.00	0.00	0.00	30.00	30.00	0.00	0.00	0.00	0.00
23/11/2021	MW	5	1104	Red kite	1	105	84.68	0.00	0.00	0.00	0.00	0.00	20.32	0.00	0.00	0.00	0.00	0.00
23/11/2021	MW	5	1114	Red kite	3	100	33.67	14.43	0.00	0.00	0.00	0.00	36.33	15.57	0.00	0.00	0.00	0.00
23/11/2021	MW	5	1150	Red kite	2	75	0.00	0.00	0.00	0.00	0.00	0.00	45.00	30.00	0.00	0.00	0.00	0.00
23/11/2021	MW	5	1211	Red kite	3	90	0.00	0.00	0.00	0.00	0.00	0.00	60.00	30.00	0.00	0.00	0.00	0.00
23/11/2021	MW	5	1306	Golden eagle	2	35	26.50	0.00	0.00	0.00	0.00	0.00	8.50	0.00	0.00	0.00	0.00	0.00
23/11/2021	MW	5	1350	Red kite	4	120	32.86	10.95	0.00	0.00	0.00	0.00	57.14	19.05	0.00	0.00	0.00	0.00
23/11/2021	MW	5	1404	Red kite	3	100	0.00	0.00	0.00	0.00	0.00	0.00	90.00	10.00	0.00	0.00	0.00	0.00
23/11/2021	MW	5	1407	White-tailed eagle	1	32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	30.00	0.00	0.00	0.00
23/11/2021	MW	5	1420	Peregrine falcon	1	30	0.00	0.00	0.00	0.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00
23/11/2021	MW	5	1436	Red kite	6	105	0.00	0.00	0.00	0.00	0.00	0.00	105.00	0.00	0.00	0.00	0.00	0.00
23/11/2021	MW	5	1450	Red kite	2	114	0.00	0.00	0.00	0.00	0.00	0.00	114.00	0.00	0.00	0.00	0.00	0.00

Date	Observer	VP	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA (seconds)						Outside CRAA (seconds)					
							0-20m	21-40m	41-100m	101-150m	150-200m	>200m	0-20m	21-40m	41-100m	101-150m	150-200m	>200m
14/12/2021	MW	6	1111	Golden eagle	1	45	28.33	0.00	0.00	0.00	0.00	0.00	16.67	0.00	0.00	0.00	0.00	0.00
14/12/2021	MW	6	1244	Red kite	1	100	77.23	0.00	0.00	0.00	0.00	0.00	22.77	0.00	0.00	0.00	0.00	0.00
14/12/2021	MW	6	1309	Golden eagle	1	70	0.00	0.00	0.00	0.00	0.00	0.00	55.00	15.00	0.00	0.00	0.00	0.00
15/12/2021	MW	3	1020	Hen harrier	1	28	0.00	0.00	0.00	0.00	0.00	0.00	28.00	0.00	0.00	0.00	0.00	0.00
15/12/2021	MW	3	1150	Golden eagle	1	35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.00	0.00
15/12/2021	MW	3	1245	Red kite	1	90	0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	0.00	0.00	0.00	0.00
15/12/2021	MW	3	1310	Red kite	1	70	0.00	0.00	0.00	0.00	0.00	0.00	70.00	0.00	0.00	0.00	0.00	0.00
15/12/2021	MW	3	1321	Golden eagle	1	35	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.00	0.00	0.00
15/12/2021	MW	3	1340	Golden eagle	1	40	0.00	0.00	0.00	0.00	0.00	0.00	40.00	0.00	0.00	0.00	0.00	0.00
15/12/2021	MW	3	1410	Hen harrier	1	64	0.00	0.00	0.00	0.00	0.00	0.00	64.00	0.00	0.00	0.00	0.00	0.00
16/12/2021	MW	5	0840	Hen harrier	1	90	77.22	0.00	0.00	0.00	0.00	0.00	12.78	0.00	0.00	0.00	0.00	0.00
16/12/2021	MW	5	0904	Red kite	1	70	38.35	0.00	0.00	0.00	0.00	0.00	31.65	0.00	0.00	0.00	0.00	0.00
17/12/2021	MW	4	1040	Red kite	1	90	66.71	0.00	0.00	0.00	0.00	0.00	23.29	0.00	0.00	0.00	0.00	0.00
17/12/2021	MW	4	1100	Red kite	1	65	0.00	0.00	0.00	0.00	0.00	0.00	65.00	0.00	0.00	0.00	0.00	0.00
17/12/2021	MW	4	1250	Golden eagle	1	55	25.86	0.00	0.00	0.00	0.00	0.00	29.14	0.00	0.00	0.00	0.00	0.00
18/01/2022	JM	3	1250	Peregrine falcon	1	33	0.00	0.00	0.00	0.00	0.00	0.00	33.00	0.00	0.00	0.00	0.00	0.00
18/01/2022	MW	4	0840	Golden eagle	1	78	61.07	0.00	0.00	0.00	0.00	0.00	16.93	0.00	0.00	0.00	0.00	0.00
18/01/2022	MW	4	0901	Golden eagle	4	170	68.14	0.00	0.00	0.00	0.00	0.00	101.86	0.00	0.00	0.00	0.00	0.00
18/01/2022	MW	4	0945	Golden eagle	1	80	52.88	0.00	0.00	0.00	0.00	0.00	27.12	0.00	0.00	0.00	0.00	0.00
18/01/2022	MW	4	1019	Golden eagle	3	140	67.84	0.00	0.00	0.00	0.00	0.00	72.16	0.00	0.00	0.00	0.00	0.00
18/01/2022	MW	4	1104	Golden eagle	3	120	114.79	0.00	0.00	0.00	0.00	0.00	5.21	0.00	0.00	0.00	0.00	0.00
18/01/2022	MW	4	1120	Red kite	2	78	50.02	0.00	0.00	0.00	0.00	0.00	27.98	0.00	0.00	0.00	0.00	0.00
18/01/2022	MW	4	1230	Red kite	3	105	71.96	0.00	0.00	0.00	0.00	0.00	33.04	0.00	0.00	0.00	0.00	0.00
18/01/2022	MW	4	1234	Golden eagle	3	135	101.01	0.00	0.00	0.00	0.00	0.00	33.99	0.00	0.00	0.00	0.00	0.00
18/01/2022	JM	6	0909	Red kite	1	32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.00	0.00	0.00	0.00	0.00
18/01/2022	JM	6	0931	Red kite	2	67	0.00	0.00	0.00	0.00	0.00	0.00	67.00	0.00	0.00	0.00	0.00	0.00
18/01/2022	JM	6	0951	Red kite	2	101	0.00	0.00	0.00	0.00	0.00	0.00	30.00	60.00	11.00	0.00	0.00	0.00
18/01/2022	JM	6	1023	Red kite	2	6	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00
18/01/2022	JM	6	1223	Peregrine falcon	1	57	0.00	0.00	0.00	0.00	0.00	0.00	57.00	0.00	0.00	0.00	0.00	0.00
19/01/2022	JM	3	0845	Golden eagle	1	4	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	0.00	0.00
19/01/2022	JM	3	0907	Golden eagle	2	39	0.00	0.00	0.00	0.00	0.00	0.00	39.00	0.00	0.00	0.00	0.00	0.00
19/01/2022	JM	3	1005	Merlin	1	40	0.00	0.00	0.00	0.00	0.00	0.00	40.00	0.00	0.00	0.00	0.00	0.00
19/01/2022	JM	3	1008	Golden eagle	1	3	0.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00
19/01/2022	JM	3	1027	Red kite	1	48	0.00	0.00	0.00	0.00	0.00	0.00	18.00	30.00	0.00	0.00	0.00	0.00
19/01/2022	JM	3	1031	Red kite	1	23	0.00	0.00	0.00	0.00	0.00	0.00	23.00	0.00	0.00	0.00	0.00	0.00
19/01/2022	JM	3	1107	Golden eagle	1	112	0.00	0.00	0.00	0.00	0.00	0.00	22.00	90.00	0.00	0.00	0.00	0.00
19/01/2022	JM	3	1248	Red kite	1	60	0.00	0.00	0.00	0.00	0.00	0.00	30.00	30.00	0.00	0.00	0.00	0.00
19/01/2022	MW	5	0920	Golden eagle	1	90	57.18	0.00	0.00	0.00	0.00	0.00	32.82	0.00	0.00	0.00	0.00	0.00
19/01/2022	MW	5	1025	Golden eagle	1	80	47.26	0.00	0.00	0.00	0.00	0.00	32.74	0.00	0.00	0.00	0.00	0.00
19/01/2022	MW	5	1040	Hen harrier	1	50	13.22	19.82	0.00	0.00	0.00	0.00	6.78	10.18	0.00	0.00	0.00	0.00
19/01/2022	MW	5	1050	Golden eagle	1	92	56.79	0.00	0.00	0.00	0.00	0.00	35.21	0.00	0.00	0.00	0.00	0.00
19/01/2022	MW	5	1115	Golden eagle	2	100	63.77	0.00	0.00	0.00	0.00	0.00	36.23	0.00	0.00	0.00	0.00	0.00
19/01/2022	MW	5	1210	Hen harrier	1	35	35.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19/01/2022	MW	5	1211	Golden eagle	1	78	53.75	0.00	0.00	0.00	0.00	0.00	24.25	0.00	0.00	0.00	0.00	0.00
19/01/2022	MW	5	1214	Golden eagle	1	45	0.00	28.35	0.00	0.00	0.00	0.00	0.00	16.65	0.00	0.00	0.00	0.00
19/01/2022	MW	5	1219	Golden eagle	1	60	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19/01/2022	MW	5	1237	Golden eagle	1	180	20.68	0.00	0.00	0.00	0.00	0.00	159.32	0.00	0.00	0.00	0.00	0.00
19/01/2022	MW	5	1256	Red kite	1	150	26.87	0.00	0.00	0.00	0.00	0.00	123.13	0.00	0.00	0.00	0.00	0.00
19/01/2022	MW	5	1311	Red kite	2	120	73.30	0.00	0.00	0.00	0.00	0.00	46.70	0.00	0.00	0.00	0.00	0.00
08/02/2022	JM	3	0842	Red kite	1	16	0.00	0.00	0.00	0.00	0.00	0.00	16.00	0.00	0.00	0.00	0.00	0.00
08/02/2022	JM	3	1005	Golden eagle	1	5	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00

Date	Observer	VP	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA (seconds)						Outside CRAA (seconds)					
							0-20m	21-40m	41-100m	101-150m	150-200m	>200m	0-20m	21-40m	41-100m	101-150m	150-200m	>200m
08/02/2022	JM	3	1023	Merlin	1	43	0.00	0.00	0.00	0.00	0.00	0.00	43.00	0.00	0.00	0.00	0.00	0.00
08/02/2022	MW	5	1111	Red kite	1	45	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/03/2022	MW	4	1004	Red kite	3	90	6.65	13.29	0.00	0.00	0.00	0.00	23.35	46.71	0.00	0.00	0.00	0.00
10/03/2022	MW	4	1140	Red kite	2	60	14.16	42.49	0.00	0.00	0.00	0.00	0.84	2.51	0.00	0.00	0.00	0.00
10/03/2022	MW	4	1300	Golden eagle	1	30	0.00	0.00	0.00	0.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00
10/03/2022	MW	6	0840	Golden eagle	1	45	19.12	9.56	0.00	0.00	0.00	0.00	10.88	5.44	0.00	0.00	0.00	0.00
11/03/2022	MW	5	0834	Merlin	1	35	9.79	0.00	0.00	0.00	0.00	0.00	25.21	0.00	0.00	0.00	0.00	0.00
11/03/2022	MW	5	1044	Red kite	3	65	3.30	39.58	0.00	0.00	0.00	0.00	1.70	20.42	0.00	0.00	0.00	0.00
11/03/2022	MW	5	1155	Red kite	2	60	13.11	39.32	0.00	0.00	0.00	0.00	1.89	5.68	0.00	0.00	0.00	0.00
28/03/2022	SK	4	1045	Golden eagle	1	98	23.33	23.33	4.15	0.00	0.00	0.00	21.67	21.67	3.85	0.00	0.00	0.00
28/03/2022	SK	4	1045	Red kite	4	377	27.88	141.25	153.34	27.88	0.00	0.00	2.12	10.75	11.66	2.12	0.00	0.00
28/03/2022	SK	4	1114	Red kite	1	153	67.93	65.32	0.00	0.00	0.00	0.00	10.07	9.68	0.00	0.00	0.00	0.00
28/03/2022	SK	4	1121	Golden eagle	1	46	0.00	0.00	0.00	0.00	0.00	0.00	1.00	30.00	15.00	0.00	0.00	0.00
28/03/2022	SK	4	1125	Red kite	1	65	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	64.50	0.00	0.00	0.00
28/03/2022	SK	4	1127	Golden eagle	1	19	0.00	0.00	0.00	0.00	0.00	0.00	15.00	4.00	0.00	0.00	0.00	0.00
28/03/2022	SK	4	1520	Red kite	1	222	0.00	10.64	11.20	14.00	5.60	0.00	0.00	46.36	48.80	61.00	24.40	0.00
28/03/2022	SK	4	1538	Red kite	1	84	38.25	0.00	0.00	0.00	0.00	0.00	45.75	0.00	0.00	0.00	0.00	0.00
28/03/2022	SK	4	1608	Golden eagle	1	395	0.00	7.63	19.08	26.71	47.07	0.00	0.00	22.37	55.92	78.29	137.93	0.00
29/03/2022	SK	5	1118	Red kite	1	65	14.09	42.27	4.70	0.00	0.00	0.00	0.91	2.73	0.30	0.00	0.00	0.00
29/03/2022	SK	5	1246	Golden plover	2	38	34.87	0.00	0.00	0.00	0.00	0.00	3.13	0.00	0.00	0.00	0.00	0.00
29/03/2022	SK	5	1257	Curlew	1	57	26.24	29.15	0.00	0.00	0.00	0.00	0.76	0.85	0.00	0.00	0.00	0.00
29/03/2022	SK	6	1507	Red kite	1	176	12.60	84.83	50.39	0.00	0.00	0.00	2.40	16.17	9.61	0.00	0.00	0.00
13/04/2022	JM	5	1254	Red kite	1	6	5.14	0.00	0.00	0.00	0.00	0.00	0.86	0.00	0.00	0.00	0.00	0.00
13/04/2022	JM	5	1354	Red kite	1	28	0.00	15.46	0.00	0.00	0.00	0.00	0.00	12.54	0.00	0.00	0.00	0.00
25/04/2022	EB	4	1130	Golden eagle	1	65	0.00	0.00	26.56	30.98	0.00	0.00	0.00	0.00	3.44	4.02	0.00	0.00
25/04/2022	EB	4	1131	Red kite	2	270	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	210.00	60.00	0.00	0.00
25/04/2022	EB	4	1140	Red kite	1	75	0.00	17.87	26.81	0.00	0.00	0.00	0.00	12.13	18.19	0.00	0.00	0.00
25/04/2022	EB	4	1237	Red kite	1	65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	60.00	0.00	0.00
25/04/2022	EB	4	1312	Golden eagle	1	120	0.00	22.22	13.33	0.00	0.00	0.00	0.00	52.78	31.67	0.00	0.00	0.00
25/04/2022	EB	4	1352	Golden eagle	1	95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	75.00	0.00	0.00
25/04/2022	EB	4	1411	Red kite	1	65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	50.00	0.00	0.00	0.00
25/04/2022	SK	6	1327	Golden plover	1	47	2.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25/04/2022	SK	6	1329	Golden plover	1	14	0.00	0.00	0.00	0.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00
27/04/2022	SK	4	0912	Red kite	1	32	0.00	0.00	0.00	0.00	0.00	0.00	17.00	15.00	0.00	0.00	0.00	0.00
27/04/2022	SK	4	0937	Red kite	2	224	0.00	9.97	49.54	14.96	0.00	0.00	0.00	20.03	99.46	30.04	0.00	0.00
27/04/2022	SK	4	0940	Red kite	1	47	17.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27/04/2022	EB	6	0931	Red kite	2	160	0.00	48.87	93.31	0.00	0.00	0.00	0.00	6.13	11.69	0.00	0.00	0.00
11/05/2022	JM	5	1119	Golden eagle	1	59	46.43	0.00	0.00	0.00	0.00	0.00	12.57	0.00	0.00	0.00	0.00	0.00
11/05/2022	JM	5	1243	Red kite	1	16	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/05/2022	JM	5	1246	Red kite	1	18	10.15	0.00	0.00	0.00	0.00	0.00	7.85	0.00	0.00	0.00	0.00	0.00
11/05/2022	JM	5	1336	Red kite	1	17	13.75	0.00	0.00	0.00	0.00	0.00	3.25	0.00	0.00	0.00	0.00	0.00
23/05/2022	SK	5	1255	Red kite	1	112	0.00	0.00	21.23	31.61	0.00	0.00	0.00	0.00	23.77	35.39	0.00	0.00
23/05/2022	SK	5	1407	Golden eagle	1	140	0.00	37.58	28.18	0.00	0.00	0.00	0.00	42.42	31.82	0.00	0.00	0.00
23/05/2022	SK	5	1516	Golden eagle	1	24	0.00	0.00	2.90	0.00	0.00	0.00	0.00	0.00	21.10	0.00	0.00	0.00
23/05/2022	SK	5	1527	Red kite	1	62	0.00	0.00	48.32	0.00	0.00	0.00	0.00	0.00	13.68	0.00	0.00	0.00
24/05/2022	SK	6	0957	Curlew	1	41	11.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24/05/2022	SK	6	1011	Curlew	1	37	7.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24/05/2022	SK	6	1040	Red kite	1	117	11.71	46.83	32.78	0.00	0.00	0.00	3.29	13.17	9.22	0.00	0.00	0.00
24/05/2022	SK	6	1041	Red kite	1	78	0.00	30.00	48.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24/05/2022	SK	6	1043	Red kite	2	64	0.00	5.97	19.52	0.00	0.00	0.00	0.00	9.03	29.48	0.00	0.00	0.00
24/05/2022	SK	6	1044	Golden eagle	1	48	3.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Date	Observer	VP	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA (seconds)						Outside CRAA (seconds)					
							0-20m	21-40m	41-100m	101-150m	150-200m	>200m	0-20m	21-40m	41-100m	101-150m	150-200m	>200m
24/05/2022	SK	6	1045	Red kite	1	90	0.00	61.31	0.00	0.00	0.00	0.00	0.00	28.69	0.00	0.00	0.00	0.00
24/05/2022	SK	6	1047	Red kite	3	145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	45.00	0.00	0.00	0.00
24/05/2022	SK	6	1111	Red kite	1	127	0.00	117.97	0.00	0.00	0.00	0.00	0.00	9.03	0.00	0.00	0.00	0.00
24/05/2022	SK	6	1200	Golden eagle	1	64	0.00	46.93	0.00	0.00	0.00	0.00	0.00	17.07	0.00	0.00	0.00	0.00
24/05/2022	SK	6	1204	Golden eagle	1	199	30.45	65.26	27.97	0.00	0.00	0.00	18.55	39.74	17.03	0.00	0.00	0.00
24/05/2022	SK	6	1226	Golden eagle	1	139	12.48	53.25	49.92	0.00	0.00	0.00	2.52	10.75	10.08	0.00	0.00	0.00
24/05/2022	SK	6	1400	Red kite	1	76	0.00	42.34	27.61	0.00	0.00	0.00	0.00	3.66	2.39	0.00	0.00	0.00
24/05/2022	SK	6	1458	Golden eagle	1	94	17.42	41.25	27.50	0.00	0.00	0.00	1.58	3.75	2.50	0.00	0.00	0.00
24/05/2022	SK	6	1523	Golden eagle	1	386	10.53	31.59	115.83	84.24	28.78	0.00	4.47	13.41	49.17	35.76	12.22	0.00
26/05/2022	JRM	6	0738	Curlew	1	54	24.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/06/2022	JM	6	0807	Golden eagle	1	172	0.00	0.00	46.10	59.62	0.00	0.00	0.00	0.00	28.90	37.38	0.00	0.00
10/06/2022	JM	6	0856	Red kite	1	10	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/06/2022	JM	6	0904	Red kite	1	28	28.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/06/2022	JM	6	1117	Red kite	1	60	0.00	19.46	6.49	0.00	0.00	0.00	0.00	25.54	8.51	0.00	0.00	0.00
10/06/2022	JM	6	1117	Red kite	1	19	19.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/06/2022	JM	6	1122	Red kite	2	108	0.00	0.00	0.00	3.11	8.10	0.00	0.00	0.00	0.00	26.89	69.90	0.00
10/06/2022	JM	6	1239	Red kite	1	33	0.00	15.42	12.85	0.00	0.00	0.00	0.00	2.58	2.15	0.00	0.00	0.00
13/06/2022	JM	4	0839	Red kite	1	129	83.97	0.00	0.00	0.00	0.00	0.00	45.03	0.00	0.00	0.00	0.00	0.00
13/06/2022	JM	4	0911	Red kite	1	139	81.79	39.15	0.00	0.00	0.00	0.00	12.21	5.85	0.00	0.00	0.00	0.00
13/06/2022	JM	4	0919	Red kite	1	155	30.80	0.00	0.00	0.00	0.00	0.00	124.20	0.00	0.00	0.00	0.00	0.00
13/06/2022	JM	4	1356	Red kite	1	85	0.00	20.20	4.33	0.00	0.00	0.00	0.00	49.80	10.67	0.00	0.00	0.00
20/06/2022	JM	5	1009	Golden plover	2	21	18.35	0.00	0.00	0.00	0.00	0.00	2.65	0.00	0.00	0.00	0.00	0.00
20/06/2022	JM	5	1151	Red kite	2	78	0.00	0.00	4.89	8.15	8.15	0.00	0.00	0.00	13.11	21.85	21.85	0.00
20/06/2022	JM	5	1159	Red kite	2	122	35.11	33.62	22.41	0.00	0.00	0.00	11.89	11.38	7.59	0.00	0.00	0.00
21/07/2022	MW	6	0800	Curlew	3	35	31.96	0.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00
21/07/2022	MW	6	0855	Red kite	1	75	22.89	15.26	0.00	0.00	0.00	0.00	22.11	14.74	0.00	0.00	0.00	0.00
21/07/2022	MW	6	0940	Red kite	1	100	17.67	26.51	0.00	0.00	0.00	0.00	22.33	33.49	0.00	0.00	0.00	0.00
21/07/2022	MW	6	1130	Golden eagle	1	75	8.00	24.00	8.00	0.00	0.00	0.00	7.00	21.00	7.00	0.00	0.00	0.00
22/07/2022	MW	4	0911	Red kite	1	120	1.89	0.00	0.00	0.00	0.00	0.00	118.11	0.00	0.00	0.00	0.00	0.00
22/07/2022	MW	4	1107	Red kite	1	150	15.54	6.66	0.00	0.00	0.00	0.00	89.46	38.34	0.00	0.00	0.00	0.00
22/07/2022	MW	4	1217	Red kite	1	90	6.92	34.61	0.00	0.00	0.00	0.00	8.08	40.39	0.00	0.00	0.00	0.00
22/07/2022	MW	4	1310	Golden eagle	1	60	0.00	0.00	0.00	0.00	0.00	0.00	15.00	45.00	0.00	0.00	0.00	0.00
22/07/2022	JM	5	0942	Red kite	1	63	50.17	0.00	0.00	0.00	0.00	0.00	12.83	0.00	0.00	0.00	0.00	0.00
29/08/2022	MW	4	1302	Golden eagle	1	135	0.00	0.00	0.00	0.00	0.00	0.00	15.00	30.00	90.00	0.00	0.00	0.00
29/08/2022	MW	4	1340	Golden eagle	1	90	11.68	23.37	0.00	0.00	0.00	0.00	18.32	36.63	0.00	0.00	0.00	0.00
29/08/2022	MW	4	1420	Golden eagle	1	95	0.00	0.00	0.00	0.00	0.00	0.00	30.00	30.00	15.00	15.00	5.00	0.00
29/08/2022	MW	4	1452	Red kite	1	60	0.00	0.00	0.00	0.00	0.00	0.00	30.00	30.00	0.00	0.00	0.00	0.00
29/08/2022	MW	6	1150	Golden eagle	1	25	11.20	0.00	0.00	0.00	0.00	0.00	13.80	0.00	0.00	0.00	0.00	0.00
31/08/2022	MW	5	0922	Golden eagle	2	90	20.31	40.61	0.00	0.00	0.00	0.00	9.69	19.39	0.00	0.00	0.00	0.00
31/08/2022	MW	5	1117	Golden eagle	1	50	5.71	13.33	0.00	0.00	0.00	0.00	9.29	21.67	0.00	0.00	0.00	0.00
31/08/2022	MW	5	1240	Peregrine falcon	1	60	0.00	35.79	0.00	0.00	0.00	0.00	0.00	24.21	0.00	0.00	0.00	0.00
31/08/2022	MW	5	1250	Golden eagle	1	150	18.47	24.62	18.47	0.00	0.00	0.00	26.53	35.38	26.53	0.00	0.00	0.00
21/09/2022	MW	4	0830	Merlin	1	20	15.62	0.00	0.00	0.00	0.00	0.00	4.38	0.00	0.00	0.00	0.00	0.00
21/09/2022	MW	4	0911	Golden eagle	1	170	32.46	55.65	41.74	27.83	0.00	0.00	2.54	4.35	3.26	2.17	0.00	0.00
21/09/2022	MW	4	0940	Golden eagle	2	105	0.00	0.00	0.00	0.00	0.00	0.00	15.00	60.00	30.00	0.00	0.00	0.00
21/09/2022	MW	4	1020	Golden eagle	1	50	0.00	0.00	0.00	0.00	0.00	0.00	15.00	35.00	0.00	0.00	0.00	0.00
21/09/2022	MW	4	1110	Golden eagle	1	75	0.00	0.00	0.00	0.00	0.00	0.00	45.00	30.00	0.00	0.00	0.00	0.00
21/09/2022	MW	4	1240	Red kite	2	100	0.00	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00
21/09/2022	MW	4	1416	Red kite	1	120	34.52	34.52	0.00	0.00	0.00	0.00	25.48	25.48	0.00	0.00	0.00	0.00
21/09/2022	MW	4	1428	Golden eagle	1	130	75.01	39.71	0.00	0.00	0.00	0.00	9.99	5.29	0.00	0.00	0.00	0.00
22/09/2022	MW	5	0940	Golden eagle	1	70	5.90	8.85	26.56	0.00	0.00	0.00	4.10	6.15	18.44	0.00	0.00	0.00

Date	Observer	VP	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA (seconds)						Outside CRAA (seconds)					
							0-20m	21-40m	41-100m	101-150m	150-200m	>200m	0-20m	21-40m	41-100m	101-150m	150-200m	>200m
22/09/2022	MW	5	1112	Red kite	2	120	66.15	39.69	0.00	0.00	0.00	0.00	8.85	5.31	0.00	0.00	0.00	0.00
23/09/2022	MW	6	0722	Hen harrier	1	90	41.31	0.00	0.00	0.00	0.00	0.00	48.69	0.00	0.00	0.00	0.00	0.00
23/09/2022	MW	6	1040	Short-eared owl	1	75	0.91	1.81	1.81	0.00	0.00	0.00	14.09	28.19	28.19	0.00	0.00	0.00
23/09/2022	MW	6	1117	Golden eagle	1	100	18.02	54.06	0.00	0.00	0.00	0.00	6.98	20.94	0.00	0.00	0.00	0.00
27/10/2022	JRM	6	0950	Red kite	1	175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	160.00	0.00	0.00	0.00
28/11/2022	JRM	4	1106	Red kite	1	47	18.83	8.83	0.00	0.00	0.00	0.00	13.17	6.17	0.00	0.00	0.00	0.00
28/11/2022	JRM	4	1230	Red kite	1	30	0.00	0.00	0.00	0.00	0.00	0.00	15.00	15.00	0.00	0.00	0.00	0.00
28/11/2022	JRM	4	1245	Red kite	1	250	70.00	135.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28/11/2022	JRM	4	1303	Red kite	2	75	0.00	0.00	0.00	0.00	0.00	0.00	30.00	15.00	30.00	0.00	0.00	0.00
28/11/2022	JRM	4	1312	Red kite	1	537	0.00	71.96	112.05	0.00	0.00	0.00	0.00	138.04	214.95	0.00	0.00	0.00
30/11/2022	JM	5	0947	Red kite	1	137	95.60	0.00	0.00	0.00	0.00	0.00	41.40	0.00	0.00	0.00	0.00	0.00
30/11/2022	JM	5	0959	Red kite	1	164	98.49	22.05	0.00	0.00	0.00	0.00	35.51	7.95	0.00	0.00	0.00	0.00
30/11/2022	JM	5	1009	Red kite	1	66	5.92	0.00	0.00	0.00	0.00	0.00	60.08	0.00	0.00	0.00	0.00	0.00
30/11/2022	JM	5	1015	Golden plover	8	22	0.00	0.00	16.06	0.00	0.00	0.00	0.00	0.00	5.94	0.00	0.00	0.00
13/12/2022	JM	6	1303	Red kite	1	79	38.20	8.95	0.00	0.00	0.00	0.00	25.80	6.05	0.00	0.00	0.00	0.00
13/12/2022	JM	6	1311	Red kite	1	174	13.89	21.13	0.00	0.00	0.00	0.00	55.11	83.87	0.00	0.00	0.00	0.00
14/12/2022	JM	5	1229	Golden eagle	1	173	0.00	0.00	0.00	2.48	3.43	1.24	0.00	0.00	0.00	57.52	79.57	28.76
14/12/2022	JM	5	1248	Red kite	2	156	9.81	21.03	28.04	14.02	0.00	0.00	11.19	23.97	31.96	15.98	0.00	0.00
15/12/2022	JM	4	1228	Golden eagle	1	78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	30.00
15/12/2022	JM	4	1326	Red kite	1	31	9.05	8.48	0.00	0.00	0.00	0.00	6.95	6.52	0.00	0.00	0.00	0.00
15/12/2022	JM	4	1349	Red kite	1	36	35.51	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.00	0.00	0.00
03/02/2023	TH	4	1207	Red kite	1	75	0.00	0.00	3.73	3.73	1.87	0.00	0.00	0.00	26.27	26.27	13.13	0.00
03/02/2023	TH	4	1302	Red kite	1	20	0.00	0.00	0.00	0.00	11.69	0.00	0.00	0.00	0.00	0.00	8.31	0.00
03/02/2023	TH	4	1311	Golden eagle	1	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00
03/02/2023	JRM	6	1120	Red kite	2	300	0.00	32.55	59.68	16.28	0.00	0.00	0.00	57.45	105.32	28.72	0.00	0.00
03/02/2023	JRM	6	1125	Red kite	1	140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	30.00	95.00	0.00	0.00
03/02/2023	JRM	6	1156	Red kite	1	130	32.93	38.42	0.00	0.00	0.00	0.00	27.07	31.58	0.00	0.00	0.00	0.00
03/02/2023	JRM	6	1204	Red kite	1	17	0.00	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/02/2023	JRM	6	1220	Red kite	1	320	125.00	90.00	105.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/02/2023	JRM	6	1311	Red kite	1	93	13.68	13.68	15.05	0.00	0.00	0.00	16.32	16.32	17.95	0.00	0.00	0.00
03/02/2023	JRM	6	1313	Golden eagle	1	370	3.15	10.75	5.50	0.00	0.00	0.00	56.85	194.25	99.50	0.00	0.00	0.00
03/02/2023	JRM	6	1324	Red kite	1	240	0.00	141.91	32.75	0.00	0.00	0.00	0.00	53.09	12.25	0.00	0.00	0.00
03/02/2023	JRM	6	1330	Red kite	2	130	0.00	0.00	0.00	0.00	0.00	0.00	25.00	105.00	0.00	0.00	0.00	0.00
03/02/2023	JRM	6	1331	Red kite	1	72	12.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03/02/2023	JRM	6	1332	Red kite	1	300	41.02	191.45	41.02	0.00	0.00	0.00	3.98	18.55	3.98	0.00	0.00	0.00
03/02/2023	JRM	6	1408	Golden eagle	1	880	0.00	64.76	61.56	14.39	0.00	0.00	0.00	340.24	323.44	75.61	0.00	0.00
09/02/2023	EB	5	1252	Red kite	1	155	0.00	20.00	90.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09/02/2023	EB	5	1254	Red kite	1	45	0.00	30.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09/02/2023	EB	5	1407	Red kite	1	68	0.00	34.48	27.22	0.00	0.00	0.00	0.00	3.52	2.78	0.00	0.00	0.00
09/02/2023	EB	5	1429	Red kite	1	32	0.00	20.96	0.00	0.00	0.00	0.00	0.00	11.04	0.00	0.00	0.00	0.00
10/02/2023	EB	4	0947	Red kite	1	55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	15.00	0.00	0.00	0.00
10/02/2023	EB	4	1331	Red kite	1	42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.00	0.00	0.00	0.00	0.00
15/02/2023	JM	5	1255	Red kite	2	47	0.00	0.00	19.96	11.31	0.00	0.00	0.00	0.00	10.04	5.69	0.00	0.00
15/02/2023	JM	5	1301	Red kite	1	51	0.00	0.00	0.00	16.73	23.90	0.00	0.00	0.00	0.00	4.27	6.10	0.00
28/02/2023	JM	5	0956	Red kite	1	43	37.75	0.00	0.00	0.00	0.00	0.00	5.25	0.00	0.00	0.00	0.00	0.00
28/02/2023	JM	5	1004	Red kite	1	108	37.79	14.54	0.00	0.00	0.00	0.00	40.21	15.46	0.00	0.00	0.00	0.00
28/02/2023	JM	5	1017	Red kite	1	87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.00	0.00	0.00	0.00	0.00
28/02/2023	JM	5	1042	Red kite	1	106	2.18	8.16	4.08	0.00	0.00	0.00	13.82	51.84	25.92	0.00	0.00	0.00
28/02/2023	JM	5	1043	Red kite	1	48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	30.00	0.00	0.00	0.00
28/02/2023	JM	5	1128	Red kite	2	148	0.00	0.00	10.31	10.31	6.87	6.41	0.00	0.00	34.69	34.69	23.13	21.59
28/02/2023	JM	5	1133	Red kite	1	127	0.00	50.99	17.00	3.97	0.00	0.00	0.00	39.01	13.00	3.03	0.00	0.00

Date	Observer	VP	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA (seconds)						Outside CRAA (seconds)					
							0-20m	21-40m	41-100m	101-150m	150-200m	>200m	0-20m	21-40m	41-100m	101-150m	150-200m	>200m
28/02/2023	JM	5	1139	Golden eagle	2	289	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00	109.00	120.00
28/02/2023	JM	5	1221	Red kite	1	128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.00	60.00	30.00	0.00
28/02/2023	JM	5	1233	Red kite	2	117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.00	75.00	0.00
28/02/2023	JM	5	1235	Red kite	1	70	0.00	26.67	20.00	0.00	0.00	0.00	0.00	13.33	10.00	0.00	0.00	0.00
28/02/2023	JM	5	1237	Red kite	1	127	0.00	51.05	25.53	31.48	0.00	0.00	0.00	8.95	4.47	5.52	0.00	0.00
28/02/2023	JM	5	1243	Red kite	1	124	87.31	0.00	0.00	0.00	0.00	0.00	36.69	0.00	0.00	0.00	0.00	0.00
28/02/2023	JM	5	1247	Red kite	1	87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.00	30.00	0.00	0.00	0.00
28/02/2023	JM	5	1343	Red kite	1	156	21.15	8.57	0.00	0.00	0.00	0.00	89.85	36.43	0.00	0.00	0.00	0.00
01/03/2023	JM	4	1525	Red kite	1	36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00	15.00	0.00	0.00	0.00
01/03/2023	JM	4	1548	Red kite	3	23	0.00	14.65	0.00	0.00	0.00	0.00	0.00	8.35	0.00	0.00	0.00	0.00
01/03/2023	JM	4	1601	Red kite	1	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00	0.00	0.00	0.00	0.00
01/03/2023	JM	6	0815	Red kite	1	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00	0.00	0.00	0.00	0.00
01/03/2023	JM	6	1031	Greylag goose	70	50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	0.00
01/03/2023	JM	6	1045	Red kite	1	31	0.00	0.00	0.00	0.00	0.00	0.00	31.00	0.00	0.00	0.00	0.00	0.00
01/03/2023	JM	6	1124	Red kite	1	13	0.00	0.00	0.00	0.00	0.00	0.00	13.00	0.00	0.00	0.00	0.00	0.00
01/03/2023	JM	6	1204	Red kite	1	64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	49.00	0.00	0.00
01/03/2023	JM	6	1225	Red kite	2	71	0.00	0.00	0.00	0.00	0.00	0.00	11.00	60.00	0.00	0.00	0.00	0.00
01/03/2023	JM	6	1246	Red kite	1	5	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00
01/03/2023	JM	6	1317	Red kite	1	6	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00
01/03/2023	JM	6	1330	Red kite	1	53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.00	0.00	0.00
01/03/2023	JM	6	1401	Red kite	1	219	11.13	10.25	0.00	0.00	0.00	0.00	102.87	94.75	0.00	0.00	0.00	0.00
07/03/2023	JM	4	1032	Red kite	1	72	0.00	0.00	0.00	0.00	0.00	0.00	72.00	0.00	0.00	0.00	0.00	0.00
08/03/2023	JM	6	1035	Red kite	1	156	0.00	0.00	35.96	49.03	0.00	0.00	0.00	0.00	30.04	40.97	0.00	0.00
08/03/2023	JM	6	1044	Red kite	1	6	2.21	0.00	0.00	0.00	0.00	0.00	3.79	0.00	0.00	0.00	0.00	0.00
08/03/2023	JM	6	1104	Red kite	2	62	8.33	22.05	0.00	0.00	0.00	0.00	8.67	22.95	0.00	0.00	0.00	0.00
08/03/2023	JM	6	1123	Red kite	1	31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.00	0.00	0.00	0.00	0.00
08/03/2023	JM	6	1231	Red kite	2	138	0.00	6.85	9.14	5.03	0.00	0.00	0.00	38.15	50.86	27.97	0.00	0.00
08/03/2023	JM	6	1333	Red kite	1	45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	0.00	0.00	0.00
08/03/2023	JM	6	1400	Red kite	1	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	15.00	0.00	0.00	0.00
08/03/2023	JM	6	1403	Red kite	1	91	0.06	5.30	0.00	0.00	0.00	0.00	0.94	84.70	0.00	0.00	0.00	0.00
08/03/2023	JM	6	1432	Golden eagle	1	160	0.00	76.38	0.00	0.00	0.00	0.00	0.00	83.62	0.00	0.00	0.00	0.00
10/05/2023	ENS	7	1217	Curlew	1	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	15.00	0.00	0.00	0.00
10/05/2023	ENS	7	1250	Curlew	1	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00
10/05/2023	ENS	7	1513	Curlew	1	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00
10/05/2023	ENS	7	1520	Curlew	1	35	0.00	0.00	0.00	0.00	0.00	0.00	5.00	15.00	15.00	0.00	0.00	0.00
10/05/2023	ENS	7	1548	Curlew	1	79	0.00	48.67	11.41	0.00	0.00	0.00	0.00	15.33	3.59	0.00	0.00	0.00
10/05/2023	ENS	7	1602	Curlew	2	36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.00	0.00	0.00	0.00
10/05/2023	EB	9	1107	Red kite	1	190	11.97	91.75	47.87	0.00	0.00	0.00	3.03	23.25	12.13	0.00	0.00	0.00
10/05/2023	EB	9	1241	Red kite	1	85	0.00	0.00	31.37	20.92	6.97	0.00	0.00	0.00	13.63	9.08	3.03	0.00
10/05/2023	EB	9	1316	Red kite	1	72	27.00	30.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/05/2023	EB	9	1358	Red kite	2	138	0.00	0.00	108.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/05/2023	EB	9	1409	Red kite	2	75	0.00	0.00	24.16	12.08	24.16	0.00	0.00	0.00	5.84	2.92	5.84	0.00
10/05/2023	EB	9	1417	Golden eagle	1	145	38.54	43.36	57.81	0.00	0.00	0.00	1.46	1.64	2.19	0.00	0.00	0.00
10/05/2023	EB	9	1452	Red kite	1	30	0.00	0.00	9.44	0.00	0.00	0.00	0.00	0.00	20.56	0.00	0.00	0.00
10/05/2023	EB	9	1503	Red kite	1	55	0.00	25.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/05/2023	EB	9	1508	Red kite	1	62	0.00	0.00	37.07	11.83	0.00	0.00	0.00	0.00	9.93	3.17	0.00	0.00
10/05/2023	EB	9	1523	Red kite	1	160	0.00	36.25	49.43	19.77	0.00	0.00	0.00	18.75	25.57	10.23	0.00	0.00
10/05/2023	EB	9	1608	Red kite	1	105	0.00	15.00	75.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/05/2023	TH	10	1103	Red kite	1	30	0.00	0.00	0.00	0.00	0.00	0.00	15.00	15.00	0.00	0.00	0.00	0.00
10/05/2023	TH	10	1511	Red kite	1	75	0.00	0.00	0.00	4.05	6.08	0.00	0.00	0.00	0.00	25.95	38.92	0.00
17/05/2023	ENS	7	1001	Golden eagle	1	302	0.00	0.00	0.00	0.00	73.18	59.16	0.00	0.00	0.00	0.00	93.82	75.84

Date	Observer	VP	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA (seconds)						Outside CRAA (seconds)					
							0-20m	21-40m	41-100m	101-150m	150-200m	>200m	0-20m	21-40m	41-100m	101-150m	150-200m	>200m
17/05/2023	ENS	7	1016	Red kite	1	142	0.00	0.00	0.00	0.00	120.14	0.00	0.00	0.00	0.00	0.00	21.86	0.00
17/05/2023	ENS	7	1103	Golden eagle	1	76	0.00	0.00	0.00	33.68	8.28	0.00	0.00	0.00	0.00	27.32	6.72	0.00
17/05/2023	ENS	7	1118	Golden eagle	1	137	0.00	32.00	15.00	90.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17/05/2023	ENS	7	1128	Curlew	1	15	0.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17/05/2023	ENS	7	1216	Red kite	1	72	0.00	22.84	16.31	0.00	0.00	0.00	0.00	19.16	13.69	0.00	0.00	0.00
17/05/2023	ENS	7	1412	Red kite	1	97	0.00	33.78	20.83	0.00	0.00	0.00	0.00	26.22	16.17	0.00	0.00	0.00
17/05/2023	ENS	7	1442	Curlew	1	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.00	0.00	0.00	0.00	0.00
17/05/2023	ENS	7	1535	Curlew	1	14	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18/05/2023	ENS	11	0931	Red kite	1	87	0.00	0.00	0.00	41.51	44.48	0.00	0.00	0.00	0.00	0.49	0.52	0.00
18/05/2023	ENS	11	1147	Curlew	1	9	0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18/05/2023	ENS	11	1214	Red kite	1	72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	27.00	15.00	0.00
18/05/2023	ENS	11	1329	Curlew	1	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	15.00	0.00	0.00	0.00
23/05/2023	JM	8	1201	Red kite	1	221	0.00	6.67	45.45	81.81	0.00	0.00	0.00	4.33	29.55	53.19	0.00	0.00
29/05/2023	EB	10	0957	Curlew	1	38	0.00	0.00	0.00	0.00	0.00	0.00	23.00	15.00	0.00	0.00	0.00	0.00
29/05/2023	EB	10	1004	Red kite	2	65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	20.00	0.00	0.00	0.00
29/05/2023	EB	10	1024	Golden eagle	1	114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.00	90.00
29/05/2023	EB	10	1110	Golden eagle	1	275	0.00	6.94	14.57	12.49	4.16	0.00	0.00	43.06	90.43	77.51	25.84	0.00
29/05/2023	EB	10	1150	Golden eagle	2	170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	120.00	35.00
29/05/2023	EB	10	1424	Golden eagle	1	158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	45.00	30.00	38.00
30/05/2023	EB	9	0957	Red kite	2	48	0.00	0.13	0.06	0.00	0.00	0.00	0.00	32.87	14.94	0.00	0.00	0.00
30/05/2023	EB	9	1105	Red kite	1	95	0.00	0.00	34.20	30.78	0.00	0.00	0.00	0.00	15.80	14.22	0.00	0.00
30/05/2023	EB	9	1130	Red kite	1	122	0.00	14.66	75.26	29.32	0.00	0.00	0.00	0.34	1.74	0.68	0.00	0.00
30/05/2023	EB	9	1153	Red kite	1	104	0.00	0.00	29.90	29.90	29.90	13.95	0.00	0.00	0.10	0.10	0.10	0.05
30/05/2023	EB	9	1229	Red kite	2	70	0.00	0.00	42.87	0.00	0.00	0.00	0.00	0.00	27.13	0.00	0.00	0.00
30/05/2023	EB	9	1241	Red kite	1	85	0.00	28.11	42.17	9.37	0.00	0.00	0.00	1.89	2.83	0.63	0.00	0.00
30/05/2023	EB	9	1248	Red kite	1	72	0.00	0.00	14.76	56.09	0.00	0.00	0.00	0.00	0.24	0.91	0.00	0.00
30/05/2023	EB	9	1324	Red kite	1	98	0.00	22.22	26.17	0.00	0.00	0.00	0.00	22.78	26.83	0.00	0.00	0.00
30/05/2023	EB	9	1407	Red kite	2	135	0.00	0.00	45.00	75.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30/05/2023	EB	9	1441	Red kite	1	84	0.00	38.69	29.76	14.88	0.00	0.00	0.00	0.31	0.24	0.12	0.00	0.00
30/05/2023	EB	9	1522	Red kite	1	65	0.00	0.00	35.33	0.00	0.00	0.00	0.00	0.00	29.67	0.00	0.00	0.00
05/06/2023	JRM	10	1203	Red kite	1	390	0.00	0.00	0.00	0.00	0.00	0.00	165.00	105.00	120.00	0.00	0.00	0.00
05/06/2023	JRM	10	1213	Osprey	1	70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	40.00	0.00	0.00	0.00
05/06/2023	JRM	10	1221	Red kite	1	130	55.00	45.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05/06/2023	JRM	10	1247	Red kite	1	120	0.00	0.00	0.00	0.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	0.00
05/06/2023	JRM	10	1329	Red kite	1	465	9.91	6.26	0.00	0.00	0.00	0.00	275.09	173.74	0.00	0.00	0.00	0.00
05/06/2023	JRM	10	1449	Red kite	1	260	57.85	32.14	21.43	0.00	0.00	0.00	77.15	42.86	28.57	0.00	0.00	0.00
05/06/2023	JRM	10	1536	Red kite	2	300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	135.00	120.00	0.00	0.00
05/06/2023	JRM	10	1545	Red kite	1	58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.00	30.00	0.00	0.00	0.00
05/06/2023	JRM	10	1551	Red kite	1	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.00	0.00	0.00	0.00
05/06/2023	JRM	10	1600	Golden eagle	1	240	0.00	0.00	0.00	0.00	0.00	0.00	45.00	105.00	90.00	0.00	0.00	0.00
05/06/2023	JRM	10	1621	Red kite	1	55	0.00	0.00	0.00	0.00	0.00	0.00	25.00	15.00	15.00	0.00	0.00	0.00
05/06/2023	JRM	10	1623	Red kite	1	60	0.00	0.00	0.00	0.00	0.00	0.00	30.00	30.00	0.00	0.00	0.00	0.00
05/06/2023	JRM	10	1642	Merlin	1	40	0.00	0.00	0.00	0.00	0.00	0.00	10.00	30.00	0.00	0.00	0.00	0.00
05/06/2023	JRM	10	1650	Red kite	1	140	0.00	0.00	0.00	0.00	0.00	0.00	5.00	75.00	60.00	0.00	0.00	0.00
05/06/2023	JRM	10	1735	Red kite	1	234	111.32	42.01	10.50	0.00	0.00	0.00	47.68	17.99	4.50	0.00	0.00	0.00
05/06/2023	JR	11	1359	Red kite	1	97	12.08	36.24	12.08	12.08	5.64	0.00	2.92	8.76	2.92	2.92	1.36	0.00
06/06/2023	JRM	8	1602	Red kite	1	300	0.00	0.00	0.00	0.00	0.00	0.00	105.00	120.00	75.00	0.00	0.00	0.00
06/06/2023	JR	11	1148	Red kite	1	102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	30.00	42.00	0.00
06/06/2023	JR	11	1227	Golden eagle	1	58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.00	0.00	0.00	0.00	0.00
06/06/2023	JR	11	1241	Curlew	2	250	0.00	0.00	0.00	0.00	0.00	0.00	15.00	235.00	0.00	0.00	0.00	0.00
06/06/2023	JR	11	1402	White-tailed eagle	2	550	0.54	1.61	1.07	2.14	14.27	0.00	14.46	43.39	28.93	57.86	385.73	0.00

Date	Observer	VP	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA (seconds)						Outside CRAA (seconds)					
							0-20m	21-40m	41-100m	101-150m	150-200m	>200m	0-20m	21-40m	41-100m	101-150m	150-200m	>200m
06/06/2023	JR	11	1713	Red kite	1	49	0.00	0.00	1.23	1.23	1.55	0.00	0.00	0.00	13.77	13.77	17.45	0.00
06/06/2023	JR	11	1723	Merlin	1	7	0.00	0.00	0.00	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00
19/06/2023	TH	8	1415	Red kite	1	40	0.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19/06/2023	TH	8	1439	Red kite	1	30	30.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19/06/2023	TH	8	1701	Golden eagle	1	150	0.00	0.00	40.46	53.95	40.46	0.00	0.00	0.00	4.54	6.05	4.54	0.00
20/06/2023	TH	7	1023	Curlew	2	180	0.00	35.51	29.60	5.92	0.00	0.00	0.00	54.49	45.40	9.08	0.00	0.00
20/06/2023	TH	7	1041	Curlew	1	135	4.16	29.15	4.16	0.00	0.00	0.00	10.84	75.85	10.84	0.00	0.00	0.00
20/06/2023	TH	7	1426	Red kite	1	75	30.00	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21/06/2023	TH	8	1347	Red kite	1	220	160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21/06/2023	TH	8	1554	Red kite	1	60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	45.00
22/06/2023	TH	9	1156	Red kite	1	45	0.00	0.00	29.94	14.97	0.00	0.00	0.00	0.00	0.06	0.03	0.00	0.00
22/06/2023	TH	9	1303	Golden eagle	1	105	0.00	0.00	0.00	7.72	15.43	30.86	0.00	0.00	0.00	7.28	14.57	29.14
10/07/2023	HEC	7	0925	Curlew	2	32	12.27	0.00	0.00	0.00	0.00	0.00	19.73	0.00	0.00	0.00	0.00	0.00
10/07/2023	HEC	7	1007	Red kite	1	93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.00	0.00	0.00	0.00
10/07/2023	HEC	7	1150	White-tailed eagle	1	435	11.30	33.90	33.90	22.60	169.51	56.50	3.70	11.10	11.10	7.40	55.49	18.50
10/07/2023	HEC	7	1232	Red kite	1	48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.00	0.00	0.00	0.00
10/07/2023	JR	10	0919	Golden eagle	1	21	0.00	0.00	0.00	0.00	0.00	0.00	15.00	0.00	6.00	0.00	0.00	0.00
10/07/2023	JR	10	0939	Golden eagle	1	121	0.00	9.72	18.81	9.41	0.00	0.00	0.00	21.28	41.19	20.59	0.00	0.00
10/07/2023	JR	10	1034	Red kite	1	97	0.00	5.46	58.45	11.69	0.00	0.00	0.00	1.54	16.55	3.31	0.00	0.00
10/07/2023	JR	10	1039	Golden eagle	1	225	2.26	11.29	20.33	0.00	0.00	0.00	12.74	63.71	114.67	0.00	0.00	0.00
10/07/2023	JR	10	1056	Golden eagle	1	41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.00	0.00	0.00	0.00	0.00
10/07/2023	JR	10	1135	Red kite	1	400	0.00	0.00	24.23	3.07	0.00	0.00	0.00	0.00	330.77	41.93	0.00	0.00
10/07/2023	JR	10	1211	Golden eagle	1	231	0.00	0.00	0.00	0.00	0.00	0.00	21.00	0.00	105.00	105.00	0.00	0.00
10/07/2023	JR	10	1223	Golden eagle	1	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	30.00	30.00	105.00	0.00
10/07/2023	JR	10	1232	Golden eagle	1	71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.00	30.00	15.00	0.00	0.00
10/07/2023	JR	10	1240	Red kite	1	37	0.00	11.97	8.16	0.00	0.00	0.00	0.00	10.03	6.84	0.00	0.00	0.00
10/07/2023	JR	10	1329	Golden eagle	1	101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.00	30.00	30.00	0.00
11/07/2023	JR	8	1100	Golden eagle	1	104	0.00	0.00	51.35	0.00	0.00	0.00	0.00	0.00	52.65	0.00	0.00	0.00
11/07/2023	JR	8	1223	Golden eagle	2	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.00	0.00
11/07/2023	JR	8	1315	Merlin	1	31	16.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/07/2023	JR	8	1317	Curlew	1	10	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/07/2023	JR	8	1445	Curlew	1	9	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/07/2023	HEC	9	1137	Golden eagle	1	89	0.00	0.00	6.06	9.09	2.83	0.00	0.00	0.00	23.94	35.91	11.17	0.00
11/07/2023	HEC	9	1137	Golden eagle	1	125	0.00	0.00	9.34	10.12	0.00	0.00	0.00	0.00	50.66	54.88	0.00	0.00
11/07/2023	HEC	9	1144	Golden eagle	1	138	0.00	0.00	7.43	14.87	11.89	0.00	0.00	0.00	22.57	45.13	36.11	0.00
11/07/2023	HEC	9	1215	Red kite	1	109	0.00	3.04	3.04	16.02	0.00	0.00	0.00	11.96	11.96	62.98	0.00	0.00
11/07/2023	HEC	9	1358	Red kite	1	68	0.00	4.35	8.70	6.67	0.00	0.00	0.00	10.65	21.30	16.33	0.00	0.00
11/07/2023	HEC	9	1418	Merlin	1	26	25.37	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00
12/07/2023	HEC	9	1037	Red kite	1	282	0.00	11.47	28.67	32.76	4.10	0.00	0.00	30.53	76.33	87.24	10.90	0.00
12/07/2023	HEC	9	1054	Red kite	2	168	0.00	0.02	0.02	0.00	0.00	0.00	0.00	92.98	59.98	15.00	0.00	0.00
12/07/2023	HEC	9	1056	Merlin	2	48	0.00	19.82	0.00	0.00	0.00	0.00	0.00	28.18	0.00	0.00	0.00	0.00
12/07/2023	HEC	9	1136	Red kite	1	57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	12.00	0.00	0.00
12/07/2023	HEC	9	1212	Red kite	2	65	0.00	5.97	17.90	1.99	0.00	0.00	0.00	9.03	27.10	3.01	0.00	0.00
12/07/2023	JR	11	0951	Golden eagle	1	491	0.00	2.49	7.06	4.04	0.00	0.00	0.00	87.51	247.94	141.96	0.00	0.00
12/07/2023	JR	11	1030	Red kite	1	275	16.32	20.98	55.95	34.97	0.00	0.00	18.68	24.02	64.05	40.03	0.00	0.00
12/07/2023	JR	11	1058	White-tailed eagle	1	133	0.00	3.12	21.59	7.20	0.00	0.00	0.00	9.88	68.41	22.80	0.00	0.00
12/07/2023	JR	11	1059	Golden eagle	1	69	0.00	9.12	7.01	0.00	0.00	0.00	0.00	29.88	22.99	0.00	0.00	0.00
12/07/2023	JR	11	1132	White-tailed eagle	1	501	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.00	75.00	180.00	180.00	0.00
12/07/2023	JR	11	1345	White-tailed eagle	1	420	0.00	0.00	56.02	80.92	37.35	0.00	0.00	0.00	78.98	114.08	52.65	0.00
12/07/2023	JR	11	1404	White-tailed eagle	1	180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	180.00	0.00
12/07/2023	JR	11	1542	Red kite	1	119	0.00	2.40	2.44	0.00	0.00	0.00	0.00	56.60	57.56	0.00	0.00	0.00

Date	Observer	VP	Flight start time	Species	No. of birds	Duration (s)	Inside CRAA (seconds)						Outside CRAA (seconds)					
							0-20m	21-40m	41-100m	101-150m	150-200m	>200m	0-20m	21-40m	41-100m	101-150m	150-200m	>200m
12/07/2023	JR	11	1547	Merlin	1	16	0.00	0.00	0.00	0.00	0.00	0.00	16.00	0.00	0.00	0.00	0.00	0.00
13/07/2023	JR	7	1101	Red kite	1	97	8.28	18.50	0.00	0.00	0.00	0.00	21.72	48.50	0.00	0.00	0.00	0.00
13/07/2023	JR	7	1113	Red kite	1	600	24.63	283.26	123.16	24.63	36.95	0.00	5.37	61.74	26.84	5.37	8.05	0.00
13/07/2023	JR	7	1140	Red kite	1	258	0.00	17.86	80.38	19.65	35.72	0.00	0.00	12.14	54.62	13.35	24.28	0.00
13/07/2023	JR	7	1225	Red kite	1	88	8.32	0.00	28.81	19.21	0.00	0.00	4.68	0.00	16.19	10.79	0.00	0.00
13/07/2023	JR	7	1229	Merlin	1	5	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00	0.00	0.00	0.00	0.00
13/07/2023	JR	7	1342	Red kite	1	20	0.00	0.00	0.00	0.00	0.00	0.00	15.00	5.00	0.00	0.00	0.00	0.00
13/07/2023	JR	7	1434	Red kite	1	49	0.00	13.65	10.78	10.78	0.00	0.00	0.00	5.35	4.22	4.22	0.00	0.00
13/07/2023	JR	7	1442	Red kite	1	247	0.00	13.46	36.71	45.89	55.07	0.00	0.00	8.54	23.29	29.11	34.93	0.00
13/07/2023	HEC	8	1100	Red kite	1	63	16.91	42.28	0.00	0.00	0.00	0.00	1.09	2.72	0.00	0.00	0.00	0.00
13/07/2023	HEC	8	1259	Red kite	1	94	21.68	32.52	13.73	0.00	0.00	0.00	8.32	12.48	5.27	0.00	0.00	0.00
13/07/2023	HEC	8	1512	Red kite	1	47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47.00	0.00
07/08/2023	HEC	7	0904	Hen harrier	2	89	0.00	25.58	25.01	0.00	0.00	0.00	0.00	19.42	18.99	0.00	0.00	0.00
07/08/2023	HEC	7	0920	Red kite	1	168	168.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/08/2023	HEC	7	0925	Hen harrier	2	330	270.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07/08/2023	HEC	7	1041	Red kite	1	77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	32.00	0.00	0.00
07/08/2023	HEC	7	1144	Hen harrier	1	85	0.00	6.77	31.59	0.00	0.00	0.00	0.00	8.23	38.41	0.00	0.00	0.00
07/08/2023	HEC	7	1156	Red kite	1	74	0.00	43.17	27.82	0.00	0.00	0.00	0.00	1.83	1.18	0.00	0.00	0.00
07/08/2023	HEC	7	1412	Red kite	1	98	0.00	0.00	98.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08/08/2023	HEC	8	0918	White-tailed eagle	2	465	0.00	0.00	0.00	69.45	147.57	52.08	0.00	0.00	0.00	50.55	107.43	37.92
08/08/2023	HEC	8	1140	Red kite	1	137	0.00	12.19	74.78	24.39	0.00	0.00	0.00	2.81	17.22	5.61	0.00	0.00
08/08/2023	JR	11	0842	Golden eagle	1	582	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.00	120.00	75.00	267.00	0.00
08/08/2023	JR	11	1451	White-tailed eagle	1	47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	30.00	2.00	0.00
08/08/2023	JR	11	1505	White-tailed eagle	1	181	0.00	0.00	1.27	6.44	7.62	0.00	0.00	0.00	13.73	69.56	82.38	0.00
09/08/2023	JR	8	0947	Golden eagle	1	107	0.00	29.21	58.42	14.61	1.95	0.00	0.00	0.79	1.58	0.39	0.05	0.00
09/08/2023	JR	8	1049	Hen harrier	1	149	149.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09/08/2023	JR	8	1112	Merlin	1	17	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09/08/2023	JR	8	1208	Merlin	1	11	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09/08/2023	JR	8	1313	Golden eagle	1	133	0.00	16.18	10.79	10.79	10.07	0.00	0.00	28.82	19.21	19.21	17.93	0.00
09/08/2023	HEC	11	0951	Hen harrier	1	92	21.89	11.68	0.00	0.00	0.00	0.00	38.11	20.32	0.00	0.00	0.00	0.00
09/08/2023	HEC	11	1014	Merlin	1	41	0.00	0.00	0.00	0.00	0.00	0.00	41.00	0.00	0.00	0.00	0.00	0.00
09/08/2023	HEC	11	1203	Red kite	1	121	0.00	0.00	16.90	32.72	16.36	0.00	0.00	0.00	14.10	27.28	13.64	0.00
09/08/2023	HEC	11	1207	Red kite	1	37	0.00	22.00	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09/08/2023	HEC	11	1217	Red kite	1	238	0.00	38.10	38.10	44.70	0.00	0.00	0.00	36.90	36.90	43.30	0.00	0.00
09/08/2023	HEC	11	1218	Red kite	1	158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75.00	83.00	0.00	0.00
09/08/2023	HEC	11	1245	Golden eagle	1	86	0.00	11.71	27.02	0.00	0.00	0.00	0.00	14.29	32.98	0.00	0.00	0.00
09/08/2023	HEC	11	1316	Red kite	1	174	0.00	6.93	29.79	3.46	0.00	0.00	0.00	23.07	99.21	11.54	0.00	0.00
10/08/2023	HEC	10	1203	Red kite	2	232	0.00	48.45	88.63	0.00	0.00	0.00	0.00	33.55	61.37	0.00	0.00	0.00
25/08/2023	JM	10	1024	Red kite	1	56	0.00	0.00	10.13	3.71	0.00	0.00	0.00	0.00	30.87	11.29	0.00	0.00
25/08/2023	JM	10	1033	Golden eagle	2	189	0.00	0.00	0.00	1.89	2.52	3.53	0.00	0.00	0.00	43.11	57.48	80.47
30/08/2023	JM	9	1135	Golden eagle	2	58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	28.00
30/08/2023	JM	9	1239	Golden eagle	2	62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	32.00

Date	Observer	Survey visit	Species	Number recorded	Notes
08/06/2021	JRM	SBBS3	Curlew	2	Pair; singing.
08/06/2021	JRM	SBBS3	Curlew	1	Alarm calling; different bird from the above.
08/06/2021	JRM	SBBS3	Snipe	1	Singing.
08/06/2021	JRM	SBBS3	Snipe	1	Singing; different bird from the above.
09/06/2021	DS	BBS3	Snipe	1	Singing.
09/06/2021	DS	BBS3	Snipe	1	In flight.
09/06/2021	DS	BBS3	Snipe	1	Singing.
09/06/2021	DS	BBS3	Snipe	1	Singing; different bird from the above.
09/06/2021	DS	BBS3	Snipe	1	Singing.
09/06/2021	DS	BBS3	Snipe	1	In flight.
09/06/2021	DS	BBS3	Snipe	1	Singing.
09/06/2021	DS	BBS3	Snipe	1	Singing; different bird from the above.
09/06/2021	DS	BBS3	Snipe	1	In flight.
09/06/2021	JRM	SBBS3	Common sandpiper	1	Singing.
09/06/2021	JRM	SBBS3	Lapwing	1	In flight.
09/06/2021	JRM	SBBS3	Snipe	1	Displaying.
09/06/2021	JRM	SBBS3	Snipe	1	Displaying.
10/06/2021	DS	VP1	Curlew	-	Active south-west of survey location.
10/06/2021	JRM	VP3	Snipe	-	Heard only; west of survey location.
11/06/2021	JRM	VP4	Snipe	1	Singing.
12/07/2021	DS	BBS4	Curlew	1	Singing.
12/07/2021	DS	BBS4	Curlew	1	Singing.
12/07/2021	DS	BBS4	Curlew	1	Singing.
12/07/2021	DS	BBS4	Snipe	1	Singing.
12/07/2021	DS	BBS4	Snipe	1	Singing.
12/07/2021	JRM	SBBS4	Curlew	1	Singing.
12/07/2021	JRM	SBBS4	Snipe	1	Displaying.
12/07/2021	JRM	SBBS4	Snipe	1	Displaying.
13/07/2021	DS	BBS4	Golden plover	1	Calling.
13/07/2021	JRM	VP4	Golden plover	-	Heard only; within 1 kilometre north of survey location.
14/07/2021	DS	BBS4	Curlew	1	Singing.
14/07/2021	DS	BBS4	Snipe	1	Alarm calling.
14/07/2021	JRM	VP2	Golden plover	-	Heard only; within 500 metres south-east of survey location.
15/07/2021	JRM	SBBS4	Common sandpiper	2	Pair; alarm calling.
15/07/2021	JRM	SBBS4	Curlew	1	Singing.
15/07/2021	JRM	SBBS4	Oystercatcher	1	
15/07/2021	JRM	SBBS4	Snipe	1	In flight.
15/07/2021	JRM	SBBS4	Snipe	1	In flight.
03/08/2021	JRM	VP4	Golden plover	-	Heard only; approximately 400 metres north-east of survey location.
10/08/2021	JRM	VP2	Golden plover	-	Heard only; within 100 metres of survey location.
20/08/2021	JR	VP3	Snipe	-	Heard only; close to survey location.
09/03/2022	MW	VP6	Curlew	1	
28/03/2022	MW	SBBS6	Curlew	1	
28/03/2022	MW	SBBS6	Curlew	1	
28/03/2022	MW	SBBS6	Curlew	1	
28/03/2022	MW	SBBS6	Snipe	1	
29/03/2022	MW	SBBS6	Curlew	1	

Date	Observer	Survey visit	Species	Number recorded	Notes
29/03/2022	MW	SBBS6	Golden plover	1	
29/03/2022	MW	SBBS6	Golden plover	1	
29/03/2022	MW	SBBS6	Snipe	1	
29/03/2022	SK	VP6	Curlew	-	Heard only.
13/04/2022	JM	VP5	Curlew	-	Heard only.
13/04/2022	JM	VP5	Snipe	-	Heard only.
25/04/2022	JR	SBBS7	Snipe	1	Singing.
25/04/2022	JR	SBBS7	Snipe	1	Singing.
25/04/2022	JR	SBBS7	Snipe	1	Singing.
25/04/2022	SK	VP4	Curlew	-	Heard only.
25/04/2022	SK	VP4	Snipe	-	Heard only.
26/04/2022	EB	BBS5	Snipe	1	Singing.
26/04/2022	SK	BBS5	Curlew	1	Singing.
26/04/2022	SK	BBS5	Curlew	1	Singing; different bird from the above.
26/04/2022	SK	BBS5	Curlew	1	Singing.
26/04/2022	SK	BBS5	Curlew	1	Singing.
26/04/2022	SK	BBS5	Curlew	1	Calling.
26/04/2022	SK	BBS5	Curlew	1	Singing in flight.
26/04/2022	SK	BBS5	Curlew	1	Singing.
26/04/2022	SK	BBS5	Curlew	2	Singing; different birds from the above.
26/04/2022	SK	BBS5	Curlew	1	Singing.
26/04/2022	SK	BBS5	Curlew	1	Singing.
26/04/2022	SK	BBS5	Curlew	2	Pair; singing.
26/04/2022	SK	BBS5	Golden plover	1	Calling.
26/04/2022	SK	BBS5	Snipe	1	Singing.
26/04/2022	SK	BBS5	Snipe	1	Singing.
26/04/2022	SK	BBS5	Snipe	1	Singing.
26/04/2022	SK	BBS5	Snipe	1	Singing.
26/04/2022	SK	BBS5	Snipe	1	Singing; same bird as the above.
26/04/2022	SK	BBS5	Snipe	1	Singing; different bird from the above.
26/04/2022	SK	BBS5	Snipe	1	Singing; different bird from the above.
26/04/2022	SK	BBS5	Snipe	1	Singing; different bird from the above.
26/04/2022	SK	BBS5	Snipe	1	Singing; different bird from the above.
26/04/2022	SK	BBS5	Snipe	1	Singing.
26/04/2022	JR	SBBS7	Curlew	1	Singing.
26/04/2022	JR	SBBS7	Curlew	1	Singing.
26/04/2022	JR	SBBS7	Snipe	1	Singing.
26/04/2022	JR	SBBS7	Snipe	1	Singing.
27/04/2022	SK	BK3	Snipe	-	Not mapped.
27/04/2022	JR	SBBS7	Snipe	1	Singing.
27/04/2022	JR	SBBS7	Snipe	1	Singing.
27/04/2022	JR	SBBS7	Snipe	1	
27/04/2022	EB	VP6	Curlew	-	Heard only.
27/04/2022	EB	VP6	Snipe	-	Heard only.
11/05/2022	JM	VP5	Golden plover	-	
12/05/2022	JM	VP4	Curlew	-	Heard only; close to survey location.
23/05/2022	JRM	SBBS8	Curlew	2	Pair; alarm calling.
23/05/2022	JRM	SBBS8	Snipe	1	Singing.
23/05/2022	JRM	SBBS8	Snipe	1	Singing; different bird from the above.
23/05/2022	JRM	SBBS8	Snipe	1	Singing.
25/05/2022	SK	BBS6	Common sandpiper	1	
25/05/2022	SK	BBS6	Common sandpiper	1	
25/05/2022	SK	BBS6	Snipe	1	Singing.

Date	Observer	Survey visit	Species	Number recorded	Notes
24/05/2023	JM	BK2 (AT)	Snipe	1	Singing.
24/05/2023	JM	BK2 (AT)	Snipe	1	Singing.
25/05/2023	JM	BBS2 (AT)	Curlew	1	Calling.
25/05/2023	JM	BBS2 (AT)	Curlew	1	Calling.
25/05/2023	JM	BBS2 (AT)	Curlew	1	Calling.
25/05/2023	JM	BBS2 (AT)	Curlew	1	
25/05/2023	JM	BBS2 (AT)	Curlew	1	
25/05/2023	JM	BBS2 (AT)	Lapwing	1	Mobbing a raven.
25/05/2023	JM	BBS2 (AT)	Lapwing	1	
25/05/2023	JM	BBS2 (AT)	Lapwing	2	
25/05/2023	JM	BBS2 (AT)	Snipe	1	Singing.
25/05/2023	JM	BK2 (AT)	Curlew	2	Calling.
25/05/2023	JM	BK2 (AT)	Lapwing	2	Pair; territorial behaviour; probably nesting nearby.
25/05/2023	JM	BK2 (AT)	Snipe	1	Singing.
30/05/2023	JRM	SBBS2 (AT)	Common sandpiper	2	Pair.
30/05/2023	JRM	SBBS2 (AT)	Curlew	1	Singing.
30/05/2023	JRM	SBBS2 (AT)	Curlew	1	Alarm calling.
30/05/2023	JRM	SBBS2 (AT)	Greenshank	1	Calling; flushed from pool and flew south out of sight.
30/05/2023	JRM	SBBS2 (AT)	Snipe	1	Singing.
30/05/2023	JRM	SBBS2 (AT)	Snipe	1	Singing.
31/05/2023	JRM	SBBS2 (AT)	Oystercatcher	1	In flight; calling.
02/06/2023	EB	Ecology	Greenshank	2	Pair; alarm calling. Recorded by ecologist collecting anabats on site.
05/06/2023	JRM	VP10	Snipe	-	Heard only.
05/06/2023	JR	VP11	Curlew	-	Heard only.
06/06/2023	JRM	VP8	Golden plover	-	Heard only; regular calls within a few hundred metres south of survey location; likely a breeding pair in this area.
07/06/2023	JR	SBBS2 (AT)	Curlew	-	Heard only.
22/06/2023	TH	VP9	Snipe	-	Heard only; singing west of survey location.
03/07/2023	JR	SBBS3 (AT)	Curlew	2	Pair; alarm calling.
03/07/2023	JR	SBBS3 (AT)	Snipe	1	Singing.
03/07/2023	JR	SBBS3 (AT)	Snipe	1	Singing.
04/07/2023	JR	BBS3 (AT)	Curlew	1	Landed; alarm calling.
04/07/2023	JR	BBS3 (AT)	Snipe	1	Singing.
04/07/2023	JR	BBS3 (AT)	Snipe	1	Singing.
04/07/2023	JR	BBS3 (AT)	Snipe	1	Singing.
04/07/2023	JR	BBS3 (AT)	Snipe	1	Singing.
04/07/2023	JR	BBS3 (AT)	Snipe	1	Singing.
04/07/2023	JR	BBS3 (AT)	Snipe	1	Singing.
10/07/2023	JR	VP10	Snipe	2	Singing; close to survey location.
14/07/2023	JR	VP11	Snipe	-	Heard only.
27/07/2023	JR	BBS4 (AT)	Curlew	1	Calling.
27/07/2023	JR	BBS4 (AT)	Snipe	1	Singing.
27/07/2023	JR	BBS4 (AT)	Snipe	1	Singing.
09/08/2023	HEC	VP11	Snipe	1	Flushed whilst walking to survey location.
10/08/2023	JR	VP10	Snipe	1	Flushed whilst returning to vehicle after survey.
10/08/2023	JR	VP9	Snipe	-	Heard only.

D.3 Winter Walkover Records

Table D-3 details all the species recorded. Refer to Annex B for survey methodology and Annex C for weather data.

Table D-3 Winter walkover survey records: 2021/2022 non-breeding season

Date	Observer	Survey visit	Species	Number recorded	Notes
24/11/2021	MW	1	Buzzard	-	
24/11/2021	MW	1	Meadow pipit	15	
24/11/2021	MW	1	Raven	-	
24/11/2021	MW	1	Red grouse	40	
24/11/2021	MW	1	Red kite	3	
24/11/2021	MW	1	Wren	-	
25/11/2021	MW	1	Buzzard	-	
25/11/2021	MW	1	Carrion crow	-	
25/11/2021	MW	1	Meadow pipit	15	
25/11/2021	MW	1	Raven	-	
25/11/2021	MW	1	Red grouse	30	
25/11/2021	MW	1	Red kite	4	
25/11/2021	MW	1	Stonechat	4	
26/11/2021	MW	1	Meadow pipit	25	
26/11/2021	MW	1	Raven	-	
26/11/2021	MW	1	Red grouse	30	
26/11/2021	MW	1	Stonechat	2	
26/11/2021	MW	1	Wren	-	
20/01/2022	JM	2	Black grouse	1	
20/01/2022	JM	2	Dipper	1	
20/01/2022	JM	2	Golden plover	1	
20/01/2022	JM	2	Raven	5	
20/01/2022	JM	2	Red kite	1	
20/01/2022	JM	2	Red kite	1	
20/01/2022	JM	2	Red kite	1	
20/01/2022	JM	2	Red kite	1	
20/01/2022	JM	2	Red kite	1	
20/01/2022	JM	2	Robin	-	
20/01/2022	JM	2	Wren	1	
20/01/2022	MW	2	Buzzard	-	
20/01/2022	MW	2	Carrion crow	-	
20/01/2022	MW	2	Golden eagle	1	
20/01/2022	MW	2	Kestrel	-	
20/01/2022	MW	2	Raven	-	
20/01/2022	MW	2	Red grouse	-	
20/01/2022	MW	2	Red kite	3	
20/01/2022	MW	2	White-tailed eagle	1	
21/01/2022	MW	2	Buzzard	-	
21/01/2022	MW	2	Golden eagle	2	Immature birds.
21/01/2022	MW	2	Golden eagle	1	
21/01/2022	MW	2	Peregrine falcon	1	
21/01/2022	MW	2	Raven	-	
21/01/2022	MW	2	Red grouse	40	
21/01/2022	MW	2	Red kite	-	Not mapped.
08/02/2022	JM	3	Raven	-	
09/02/2022	JM	3	Kestrel	-	

Date	Observer	Survey visit	Species	Number recorded	Notes
09/02/2022	JM	3	Raven	-	
09/02/2022	MW	3	Meadow pipit	10	
09/02/2022	MW	3	Merlin	1	
09/02/2022	MW	3	Raven	-	
09/02/2022	MW	3	Red grouse	30	
09/02/2022	MW	3	Skylark	-	
09/02/2022	MW	3	Stonechat	-	

D.4 Scarce Breeding Bird Records

Table D-4 details all records of raptors and owls recorded during surveys, however only Annex 1¹ or Schedule 1² species are considered to be scarce breeding birds (i.e. target species). Refer to **Annex B** for survey methodology, **Annex C** for weather data and **Confidential Technical Appendix 6.2** for confidential data relating to barn owl, merlin, peregrine falcon and red kite.

Table D-4 Raptor and owl records: 2021 to 2023 breeding seasons

Date	Species	Number recorded	Sex	Age	Notes
07/04/2021	Red kite	1	-	Adult	
07/04/2021	Merlin	-	-	-	Present at craggy area west of Loch Lednock.
09/04/2021	Buzzard	1	-	-	
13/04/2021	Buzzard	1	-	-	
13/04/2021	Buzzard	2	-	-	
14/04/2021	Buzzard	4	-	-	In flight; Lochan na Creige Ruaidhe.
14/04/2021	Buzzard	1	-	-	In flight; Creag Ruadh.
14/04/2021	Buzzard	2	-	-	In flight; Creag Buidhe.
15/04/2021	Buzzard	1	-	-	
23/04/2021	Buzzard	1	-	-	In flight; Meall Reamhar.
23/04/2021	Buzzard	1	-	-	In flight; Glentarken Wood.
23/04/2021	Buzzard	2	-	-	In flight; Creag Dhubh.
23/04/2021	Golden eagle	1	-	Adult	
23/04/2021	Golden eagle	1	-	Adult	Same bird as the above.
23/04/2021	Kestrel	2	-	-	Pair; nesting near Allt Eas Domhain.
23/04/2021	Kestrel	2	-	-	Pair; nesting near Creag Dhubh.
23/04/2021	Red kite	1	-	Adult	Adult; hunting.
26/04/2021	Kestrel	1	-	-	In flight; Uchdan Mhir Thais.
26/04/2021	Kestrel	2	-	-	Pair; nesting east of Loch Lednock Reservoir.
26/04/2021	Peregrine falcon	1	-	Adult	
26/04/2021	Peregrine falcon	1	-	Adult	
26/04/2021	Red kite	1	-	Adult	
27/04/2021	Red kite	1	-	-	Observed whilst walking to survey location; not mapped.
28/04/2021	Merlin	1	Female	Adult	
28/04/2021	Peregrine falcon	1	-	Adult	Aggressive interaction with a raven.
28/04/2021	Red kite	2	-	Adult	
28/04/2021	Red kite	1	-	Adult	
29/04/2021	Buzzard	1	-	-	

Date	Species	Number recorded	Sex	Age	Notes
29/04/2021	Red kite	1	-	Adult	
29/04/2021	Buzzard	1	-	-	In flight; Loch Lednock Reservoir.
29/04/2021	Red kite	1	-	Adult	
29/04/2021	Tawny owl	-	-	-	Heard only; calling.
30/04/2021	Buzzard	1	-	-	In flight; Creag Dhubh.
30/04/2021	Kestrel	1	-	-	In flight; Creag Dhubh.
30/04/2021	Tawny owl	-	-	-	Heard only; calling.
24/05/2021	Kestrel	1	-	-	In flight; Coire an Daimh.
24/05/2021	Buzzard	1	-	-	In flight; Creag Ruadh.
24/05/2021	Buzzard	1	-	-	In flight; Creag Dhubh.
24/05/2021	Golden eagle	1	-	Adult	
24/05/2021	Kestrel	1	-	-	In flight; Loch Eas Domhain.
24/05/2021	Kestrel	1	-	-	In flight; Creag Odhar; male.
24/05/2021	Kestrel	1	-	-	In flight; Glentarken Wood.
24/05/2021	Red kite	1	-	Adult	
24/05/2021	Red kite	1	-	Adult	
24/05/2021	Red kite	1	-	Adult	
24/05/2021	Buzzard	1	-	-	In flight; Meall Daimh.
24/05/2021	Buzzard	1	-	-	In flight; Meall Daimh; hunting.
24/05/2021	Buzzard	1	-	-	In flight; Meall Daimh; hunting.
25/05/2021	Buzzard	1	-	-	In flight; Meall Reamhar.
25/05/2021	Buzzard	1	-	-	In flight; Glen Beich.
25/05/2021	Kestrel	1	-	-	In flight; Tom Cadalach; male.
25/05/2021	Kestrel	2	-	-	Pair; Creag Dhubh.
26/05/2021	Golden eagle	2	Male/Female	Adult	
26/05/2021	Buzzard	1	-	-	Nesting; south of Loch Eas Domhain.
26/05/2021	Buzzard	1	-	-	In flight; Creag Dhubh.
26/05/2021	Buzzard	1	-	-	In flight; Creag Each.
26/05/2021	Red kite	1	-	Adult	
27/05/2021	Buzzard	1	-	-	In flight; Meall nam Fiadh.
27/05/2021	Kestrel	1	-	-	In flight; Creag nan Eun.
27/05/2021	Red kite	1	-	Adult	
27/05/2021	Golden eagle	1	-	Sub-adult	
27/05/2021	Kestrel	1	-	-	In flight; Loch Lednock Reservoir.
27/05/2021	Buzzard	1	-	-	In flight; Coire an Daimh.
27/05/2021	Buzzard	1	-	-	In flight; Lochan na Creige Ruadh.
27/05/2021	Buzzard	1	-	-	In flight; Coire an Daimh.
27/05/2021	Kestrel	1	-	-	In flight; Creag Buidhe; hunting.
28/05/2021	Barn owl	1	-	Adult	
28/05/2021	Buzzard	2	-	-	Pair; nesting south of Loch Eas Domhain.
28/05/2021	Kestrel	2	-	-	Pair; south-west of Coire na Daimh.
28/05/2021	Kestrel	1	-	-	In flight; Loch Eas Domhain; chased by a peregrine falcon.
28/05/2021	Kestrel	2	-	-	Pair; mobbing a fox at Creag Dhubh.
28/05/2021	Peregrine falcon	1	-	Adult	Chasing a kestrel.
28/05/2021	Red kite	1	-	Adult	
28/05/2021	Buzzard	1	-	-	In flight; Creag Ruadh.
28/05/2021	Kestrel	1	-	-	In flight; Lochan Mhaoil na Meidhe.
31/05/2021	Buzzard	1	-	-	In flight; Allt Coire an Daimh.

¹ Annex 1 of the EU Bird Directive.

² Schedule 1 of the Wildlife and Countryside Act 1981, as amended by the Nature Conservation Act (Scotland) 2004.

Date	Species	Number recorded	Sex	Age	Notes
31/05/2021	Buzzard	1	-	-	In flight; Meall Daimh; hunting.
31/05/2021	Buzzard	1	-	-	In flight; Meall Daimh; hunting.
31/05/2021	Kestrel	1	-	-	In flight; Coire an Daimh; female; hunting.
31/05/2021	Kestrel	1	-	-	In flight; Meall Daimh; hunting.
31/05/2021	Kestrel	1	-	-	In flight; Coire an Daimh; hunting.
07/06/2021	Buzzard	1	-	-	In flight; Lochan a Chaorainn; hunting.
07/06/2021	Kestrel	1	-	-	In flight; Meall Daimh.
07/06/2021	Buzzard	1	-	-	In flight; Allt na Criche.
07/06/2021	Buzzard	1	-	-	In flight; Loch Lednock Reservoir.
07/06/2021	Buzzard	1	-	-	In flight; Ruadh Mheall.
07/06/2021	Kestrel	1	-	-	In flight; Creag nan Eun; female.
07/06/2021	Kestrel	1	-	-	In flight; Creag nan Eun; male.
07/06/2021	Kestrel	2	-	-	In flight; Creag na h-Araindh.
07/06/2021	Red kite	1	-	Adult	Aggressive encounter with another red kite.
07/06/2021	Red kite	3	-	Adult	
08/06/2021	Kestrel	1	-	-	In flight; Meall Reamhar.
08/06/2021	Red kite	1	-	Adult	
08/06/2021	Red kite	1	-	Adult	
08/06/2021	Buzzard	1	-	-	In flight; east of Tom Cadalach; mobbing a golden eagle.
08/06/2021	Buzzard	2	-	-	In flight; Loch Eas Domhain; pair.
08/06/2021	Buzzard	1	-	-	In flight; Allt an Fhionn.
08/06/2021	Golden eagle	1	-	Adult	Mobbed by a buzzard and a kestrel.
08/06/2021	Kestrel	1	-	-	In flight; east of Tom Cadalach; mobbing a golden eagle.
08/06/2021	Kestrel	1	-	-	In flight; Creag Dhubh; male; alarm calling.
08/06/2021	Kestrel	1	-	-	In flight; Clach Mhor Na h'Airighe Leithe.
08/06/2021	Kestrel	1	-	-	In flight; Meall Reamhar.
08/06/2021	Red kite	1	-	Adult	In flight; Creag Dhubh.
08/06/2021	Red kite	1	-	Adult	In flight; Creag Dhubh.
09/06/2021	Kestrel	1	-	-	In flight; Creag nan Eun.
09/06/2021	Kestrel	1	-	-	In flight; Allt Mathaig.
09/06/2021	Kestrel	1	-	-	In flight; Allt Mathaig.
09/06/2021	Red kite	1	-	Adult	In flight; Creag nan Eun.
09/06/2021	Buzzard	1	-	-	In flight; Creag nan Eun.
09/06/2021	Buzzard	1	-	-	In flight; Creag Lochdair.
09/06/2021	Kestrel	1	-	-	In flight; Creag nan Eun.
09/06/2021	Red kite	1	-	Adult	
09/06/2021	Red kite	1	-	Adult	
09/06/2021	Red kite	1	-	Adult	Different bird from the above.
10/06/2021	Buzzard	1	-	-	In flight; Loch Eas Domhain.
10/06/2021	Buzzard	2	-	-	In flight; Loch Eas Domhain.
10/06/2021	Buzzard	1	-	-	In flight; Coire an Daimh; hunting.
10/06/2021	Buzzard	1	-	-	In flight; Coire an Daimh; hunting.
10/06/2021	Buzzard	1	-	-	In flight; Loch Eas Domhain.
10/06/2021	Buzzard	1	-	-	In flight; Coire an Daimh; hunting.
10/06/2021	Buzzard	1	-	-	In flight; Creag nan Eun.
10/06/2021	Kestrel	1	-	-	In flight; Creag nan Eun; male.

Date	Species	Number recorded	Sex	Age	Notes
12/07/2021	Buzzard	1	-	-	In flight; Allt Coire an Daimh.
12/07/2021	Merlin	1	Female	Adult	
12/07/2021	Buzzard	1	-	-	In flight; Loch Eas Domhain.
12/07/2021	Buzzard	1	-	-	In flight; Sron Mhor.
12/07/2021	Buzzard	2	-	-	In flight; Creag Dhubh; pair.
12/07/2021	Buzzard	1	-	-	In flight; Glentarken Burn.
12/07/2021	Kestrel	1	-	-	In flight; Loch Eas Domhain; male; hunting.
12/07/2021	Kestrel	1	-	-	In flight; Chachan Mhor Na h'Airighe Leithe; mobbing a buzzard.
12/07/2021	Kestrel	3	-	-	Family near Glentarken Burn.
12/07/2021	Red kite	1	-	Adult	
12/07/2021	Sparrowhawk	1	-	-	In flight; Allt Eas Domhain; female.
13/07/2021	Buzzard	2	-	-	In flight; Meall Reamhar.
13/07/2021	Golden eagle	1	-	Adult	
13/07/2021	Kestrel	1	-	-	In flight; Creag Buidhe; female.
13/07/2021	Sparrowhawk	1	-	-	In flight; Meall Reamhar.
13/07/2021	Buzzard	1	-	-	Perched close to survey location.
13/07/2021	Buzzard	1	-	-	In flight; Creag Buidhe.
13/07/2021	Kestrel	1	-	-	In flight; Creag Buidhe; hunting.
13/07/2021	Kestrel	1	-	-	In flight; close to survey location; female; hunting.
13/07/2021	Kestrel	1	-	-	In flight; Creag Buidhe; hunting.
13/07/2021	Kestrel	1	-	-	In flight; Meall nam Fiadh; hunting.
14/07/2021	Kestrel	1	-	-	In flight; Allt Mathaig.
14/07/2021	Buzzard	3	-	-	In flight; Creag Ruadh; chasing and interacting.
14/07/2021	Buzzard	3	-	-	In flight; Creag Ruadh; displaying.
14/07/2021	Kestrel	1	-	-	In flight; Creag Ruadh; displaying.
14/07/2021	Kestrel	1	-	-	In flight; Creag Ruadh.
14/07/2021	Kestrel	1	-	-	In flight; Meall Daimh; hunting.
15/07/2021	Buzzard	1	-	-	In flight; Creag Ruadh.
15/07/2021	Buzzard	1	-	-	In flight; Meall Reamhar; calling.
15/07/2021	Buzzard	1	-	-	In flight; Loch Lednock Reservoir.
15/07/2021	Buzzard	1	-	-	In flight; Glen Lednock.
15/07/2021	Buzzard	1	-	-	In flight; Invergeldie; carrying food and mobbed by a common gull.
15/07/2021	Kestrel	1	-	-	In flight; Creag nan Eun; hunting.
15/07/2021	Peregrine falcon	-	-	-	Heard only; calling from the hilltops near Allt na Faing; heard 3 times.
15/07/2021	Red kite	1	-	Adult	
16/07/2021	Buzzard	1	-	-	In flight; Coire an Daimh.
16/07/2021	Buzzard	1	-	-	In flight; Coire na Daimh; hunting.
16/07/2021	Buzzard	2	-	-	In flight; Loch Eas Domhain; pair; displaying.
16/07/2021	Kestrel	1	-	-	In flight; Loch Eas Domhain; hunting.
16/07/2021	Kestrel	1	-	-	In flight; Allt Coire an Daimh; hunting.
16/07/2021	Kestrel	1	-	-	In flight; Loch Eas Domhain; male; hunting.
16/07/2021	Kestrel	1	-	-	In flight; Loch Eas Domhain; female; hunting.
16/07/2021	Buzzard	1	-	-	In flight; Creag Buidhe.

Date	Species	Number recorded	Sex	Age	Notes
16/07/2021	Kestrel	1	-	-	In flight; Creag nan Eun; hunting.
16/07/2021	Kestrel	1	-	-	In flight; Creag nan Eun; hunting.
22/07/2021	Buzzard	1	-	-	In flight; Readh Mheall.
22/07/2021	Buzzard	1	-	-	In flight; Creag Ruadh.
22/07/2021	Buzzard	1	-	-	In flight; Lochan na Creige Ruaidhe.
22/07/2021	Merlin	1	Female	Adult	Hunting; observed whilst travelling to survey location.
02/08/2021	Buzzard	1	-	-	In flight; Meall nam Fiadh.
02/08/2021	Kestrel	2	-	-	In flight; Creag Ruadh; both hunting.
02/08/2021	Kestrel	1	-	-	In flight; Meall nam Fiadh; hunting.
02/08/2021	Kestrel	2	-	-	In flight; Creag Ruadh; both hunting.
03/08/2021	Buzzard	1	-	-	In flight; Creag Ruadh.
03/08/2021	Buzzard	1	-	-	In flight; Allt Eas Domhain; displaying and hunting.
03/08/2021	Buzzard	2	-	-	In flight; Allt Eas Domhain.
03/08/2021	Kestrel	2	-	-	In flight; Creag Ruadh.
03/08/2021	Kestrel	1	-	-	In flight; Allt Eas Domhain; hunting.
03/08/2021	Kestrel	1	-	-	In flight; close to survey location; male; hunting.
04/08/2021	Golden eagle	1	-	Adult	Mobbed by 2 buzzards; observed whilst travelling to survey location.
04/08/2021	Red kite	1	-	Adult	Observed whilst travelling to survey location.
04/08/2021	Red kite	2	-	Adult	Observed whilst travelling to survey location.
05/08/2021	Buzzard	1	-	-	In flight; Creag Ruadh.
05/08/2021	Buzzard	1	-	-	In flight; Loch Eas Domhain.
05/08/2021	Buzzard	1	-	-	In flight; Loch Eas Domhain.
05/08/2021	Kestrel	1	-	-	In flight; Creag Dhubh.
05/08/2021	Buzzard	1	-	-	In flight; Coire an Daimh; hunting.
05/08/2021	Buzzard	1	-	-	In flight; Allt Eas Domhain; hunting.
06/08/2021	Buzzard	1	-	-	In flight; Allt an Fhionn.
09/08/2021	Buzzard	1	-	-	In flight; Meall nam Fiadh.
09/08/2021	Buzzard	1	-	-	In flight; Loch Lednock Reservoir.
09/08/2021	Kestrel	1	-	-	In flight; Meall nam Fiadh; hunting.
09/08/2021	Kestrel	1	-	-	In flight; Meall nam Fiadh; mobbing a golden eagle.
09/08/2021	Kestrel	1	-	-	In flight; Creag Ruadh; hunting.
11/08/2021	Buzzard	1	-	-	In flight; Loch Lednock Reservoir.
11/08/2021	Buzzard	1	-	-	Calling near Allt na Criche.
11/08/2021	Buzzard	1	-	-	In flight; Glen Lednock.
11/08/2021	Sparrowhawk	1	-	-	In flight; West Ballindalloch; female.
20/08/2021	Kestrel	1	-	-	In flight; Lochan Mhaoil na Meidh; mobbed by 2 ravens.
24/08/2021	Buzzard	2	-	-	In flight; Creag Ruadh.
26/08/2021	Buzzard	1	-	-	In flight; Lochan na Craige Ruaidhe; displaying.
26/08/2021	Buzzard	1	-	-	In flight; Meall nam Fiadh; hunting.
28/03/2022	Golden eagle	3	-	-	
28/03/2022	Golden eagle	2	-	-	
28/03/2022	Merlin	1	Male	Adult	
28/03/2022	Red kite	6	-	-	

Date	Species	Number recorded	Sex	Age	Notes
29/03/2022	Buzzard	-	-	-	
29/03/2022	Goshawk	1	-	Adult	
29/03/2022	Red kite	1	-	-	
25/04/2022	Buzzard	1	-	-	In flight; Allt Eas Domhain.
25/04/2022	Golden eagle	1	-	Adult	
25/04/2022	Golden eagle	1	-	-	
25/04/2022	Kestrel	2	-	-	Pair, nesting; Creag Dhubh.
26/04/2022	Buzzard	1	-	-	In flight.
26/04/2022	Hen harrier	1	Male	Adult	
26/04/2022	Hen harrier	1	Male	Adult	Probably the same bird as the above.
26/04/2022	Red kite	1	-	-	
26/04/2022	Buzzard	1	-	-	In flight; Creag Each.
26/04/2022	Buzzard	1	-	-	Perched on fence; Tom Cadalach.
26/04/2022	Merlin	1	-	Adult	Hunting.
26/04/2022	Merlin	1	Male	Immature	Preening then took flight.
26/04/2022	Merlin	1	-	Adult	Alarm calling; mobbed by ravens.
26/04/2022	Red kite	1	-	Adult	
27/04/2022	Buzzard	1	-	-	In flight; The Girron.
27/04/2022	Buzzard	-	-	-	Nesting at Allt Eas Domhain.
27/04/2022	Golden eagle	1	-	Adult	Displaying.
27/04/2022	Kestrel	1	-	-	In flight; Struie Burn.
27/04/2022	Kestrel	1	-	-	In flight; Allt a' Phuirt Bhig.
27/04/2022	Red kite	1	-	-	
23/05/2022	Buzzard	1	-	-	In flight; near Sron Mhor.
23/05/2022	Buzzard	1	-	-	In flight; Allt na Creige Ruaidhe.
23/05/2022	Golden eagle	1	-	Adult	Mobbed by a minimum of 20 carrion crows.
23/05/2022	Golden eagle	1	-	Immature	
23/05/2022	Hen harrier	1	Female	Adult	Hunting.
23/05/2022	Kestrel	1	-	-	Hunting; Creag Dhubh.
23/05/2022	Kestrel	1	-	-	In flight; near Allt na Creige Ruaidhe.
23/05/2022	Red kite	1	-	-	
23/05/2022	Red kite	1	-	-	
23/05/2022	Red kite	1	-	-	
23/05/2022	Red kite	2	Male/Female	Adult	Pair; following a white-tailed eagle.
23/05/2022	Red kite	2	-	-	
23/05/2022	White-tailed eagle	1	-	Immature	Mobbed by a female merlin and followed by pair of red kites.
24/05/2022	Buzzard	1	-	-	Mobbing a golden eagle.
24/05/2022	Buzzard	1	-	-	Mobbed by a merlin.
24/05/2022	Golden eagle	2	Male/female	Adult	Pair; landed.
24/05/2022	Golden eagle	1	-	-	In flight; probably a different bird from the above.
24/05/2022	Golden eagle	1	-	-	In flight; landed and took off again; mobbed by buzzard. Probably same bird as the above.
24/05/2022	Kestrel	1	-	-	In flight; Beich Burn; hunting.
24/05/2022	Kestrel	1	-	-	In flight; Allt na Creige Ruaidhe; hunting.
24/05/2022	Osprey	1	-	Adult	
24/05/2022	Red kite	1	-	-	
24/05/2022	Red kite	1	-	-	

Date	Species	Number recorded	Sex	Age	Notes
24/05/2022	Red kite	1	-	-	
24/05/2022	Red kite	1	-	-	
25/05/2022	Buzzard	1	-	-	In flight; north of Loch Boltachan.
25/05/2022	Golden eagle	1	-	-	
25/05/2022	Merlin	1	-	Adult	
25/05/2022	Red kite	1	-	-	
25/05/2022	Buzzard	1	-	-	In flight; Glen Tarken.
25/05/2022	Kestrel	2	-	-	In flight; near Beich Burn; male and juvenile.
25/05/2022	Kestrel	1	-	-	Hunting.
25/05/2022	Kestrel	1	-	-	In flight; mobbing a sparrowhawk.
25/05/2022	Kestrel	1	-	-	In flight; male; carrying food towards nest near Allt na Creige Ruaidhe.
25/05/2022	Red kite	1	-	-	
25/05/2022	Red kite	1	-	-	
25/05/2022	Red kite	1	-	-	
25/05/2022	Sparrowhawk	1	-	-	In flight; male; mobbed by a kestrel.
25/05/2022	White-tailed eagle	1	-	-	Too distant and brief a view to estimate the age of the bird.
26/05/2022	Buzzard	1	-	-	In flight; Loch Eas Domhain; hunting.
26/05/2022	Kestrel	1	-	-	In flight; Caire an Daimh; hunting.
27/05/2022	Buzzard	1	-	-	In flight; Glen Tarken.
27/05/2022	Red kite	2	-	-	
27/05/2022	Golden eagle	1	-	Sub-adult	
27/05/2022	Golden eagle	1	-	Sub-adult	Same bird as the above.
27/05/2022	Golden eagle	1	-	Sub-adult	Same bird as the above.
27/05/2022	Kestrel	1	-	-	In flight; The Girron; hunting.
27/05/2022	Red kite	1	-	-	Following a golden eagle.
27/05/2022	Red kite	1	-	-	
27/05/2022	Red kite	1	-	-	
27/05/2022	Red kite	1	-	-	
27/05/2022	Red kite	1	-	-	
27/05/2022	Red kite	2	-	-	
08/06/2022	Red kite	2	-	-	
09/06/2022	Golden eagle	1	-	-	
09/06/2022	Peregrine falcon	1	-	Adult	Mobbing a red kite.
09/06/2022	Red kite	1	-	-	Mobbed by a peregrine falcon.
09/06/2022	Red kite	1	-	-	
09/06/2022	Red kite	1	-	-	
29/06/2022	Buzzard	1	-	-	In flight; mobbing a golden eagle near Creag Dhubh.
29/06/2022	Buzzard	3	-	-	In flight; Glentarken Burn; family group.
29/06/2022	Buzzard	1	-	-	In flight; Glentarken Wood.
29/06/2022	Buzzard	1	-	-	In flight; Creag Gharbh; hunting.
29/06/2022	Golden eagle	1	Female	Sub-adult	Landed.
29/06/2022	Golden eagle	1	Female	Sub-adult	Same bird as the above; took flight and headed south.
29/06/2022	Golden eagle	1	Female	Sub-adult	Probably the same bird as the above; landed again, preening and drying off.
29/06/2022	Golden eagle	2	Male/Female	Adult	Adult pair; calling and landed near sub-adult golden eagle and 'escorted' it

Date	Species	Number recorded	Sex	Age	Notes
					away from the area; brief aggressive interaction between the sub-adult and adult female. Possibly parents with an older offspring as aggression was subdued.
29/06/2022	Golden eagle	1	Female	Sub-adult	Escorted away from the area by an adult pair of golden eagles.
29/06/2022	Peregrine falcon	1	-	Adult	
29/06/2022	Red kite	1	-	-	
29/06/2022	Red kite	1	-	-	
29/06/2022	Red kite	1	-	-	
29/06/2022	Red kite	2	-	-	
30/06/2022	Buzzard	1	-	-	Mobbing a golden eagle.
30/06/2022	Golden eagle	1	Female	Sub-adult	Landed.
30/06/2022	Golden eagle	1	Female	Sub-adult	Same bird as the above; took flight; mobbed by buzzard.
30/06/2022	Kestrel	2	-	-	In flight; The Girron; pair; hunting.
30/06/2022	Red kite	1	-	-	
30/06/2022	Red kite	1	-	-	
30/06/2022	Red kite	1	-	-	Landed.
30/06/2022	Red kite	1	-	-	
30/06/2022	Red kite	1	-	-	
30/06/2022	Red kite	2	-	-	
30/06/2022	Red kite	1	-	-	
01/07/2022	Red kite	1	-	-	Mobbed by a female merlin.
19/07/2022	Buzzard	1	-	-	In flight; Allt Eas Domhain.
19/07/2022	Kestrel	1	-	-	In flight; Meall Reamhar.
19/07/2022	Osprey	1	-	Adult	Hunting; mobbed by a merlin.
19/07/2022	Peregrine falcon	1	-	Adult	
19/07/2022	Red kite	1	-	-	
19/07/2022	Red kite	1	-	-	
19/07/2022	Red kite	1	-	-	
19/07/2022	Red kite	1	-	-	
19/07/2022	Buzzard	-	-	-	
19/07/2022	Kestrel	3	-	-	Juveniles.
19/07/2022	Red kite	1	-	-	
20/07/2022	Buzzard	-	-	-	
20/07/2022	Golden eagle	1	-	Immature	Landed.
20/07/2022	Golden eagle	1	-	Immature	
20/07/2022	Golden eagle	1	-	Immature	
20/07/2022	Golden eagle	2	Male/Female	Adult	
20/07/2022	Kestrel	-	-	-	In flight; Allt Eas Domhain.
20/07/2022	Red kite	3	-	-	
21/07/2022	Kestrel	1	-	-	In flight; Creag Ruadh; juvenile.
22/07/2022	Kestrel	1	-	-	In flight; Meall nam Fiadh; juvenile.
04/08/2022	Buzzard	3	-	-	In flight; Allt Eas Domhain; family; 2 adults and 1 juvenile.
04/08/2022	Buzzard	3	-	-	In flight; Glentarken Burn; family; 1 adult and 2 juveniles.
04/08/2022	Kestrel	1	-	-	Perched on crag; Creag Dhubh.
04/08/2022	Red kite	3	-	-	
05/08/2022	Buzzard	3	-	-	

Date	Species	Number recorded	Sex	Age	Notes
05/08/2022	Kestrel	1	-	-	
05/08/2022	Merlin	1	Male	Adult	Mobbing a kestrel.
05/08/2022	Red kite	1	-	-	
05/08/2022	Red kite	1	-	-	
29/08/2022	Kestrel	1	-	-	Juvenile.
29/08/2022	Kestrel	-	-	-	
30/08/2022	Kestrel	-	-	-	Heard only.
11/04/2023	Red kite	1	-	-	
11/04/2023	Buzzard	-	-	-	
11/04/2023	Buzzard	2	-	-	
11/04/2023	Buzzard	1	-	-	Hunting.
11/04/2023	Golden eagle	1	-	Adult	Displaying; initially flying with partner to the west of the map boundary then diverged.
11/04/2023	Golden eagle	1	-	Adult	Hunting; initially flying with partner to the west of the map boundary then diverged.
11/04/2023	Golden eagle	1	-	-	Landed.
11/04/2023	Red kite	1	-	-	
11/04/2023	Red kite	1	-	-	Calling; joined another red kite in flight.
11/04/2023	Red kite	2	-	-	
11/04/2023	Red kite	1	-	-	Joined by another red kite towards the end of the flight.
12/04/2023	Buzzard	2	-	-	Pair; displaying.
12/04/2023	Red kite	1	-	-	
10/05/2023	Buzzard	-	-	-	
10/05/2023	Buzzard	2	-	-	
17/05/2023	Buzzard	-	-	-	
17/05/2023	Kestrel	1	-	-	
17/05/2023	Kestrel	1	-	-	
18/05/2023	Buzzard	-	-	-	
18/05/2023	Kestrel	1	-	-	
24/05/2023	Red kite	1	-	-	
24/05/2023	Red kite	1	-	-	
25/05/2023	Tawny owl	-	-	-	Heard only.
29/05/2023	Buzzard	2	-	-	
29/05/2023	Kestrel	2	-	-	
29/05/2023	Kestrel	1	-	-	
29/05/2023	Kestrel	2	-	-	
29/05/2023	Kestrel	1	-	-	
29/05/2023	Kestrel	1	-	-	
30/05/2023	Buzzard	1	-	-	
30/05/2023	Buzzard	1	-	-	Hunting.
30/05/2023	Golden eagle	1	-	Adult	
30/05/2023	Golden eagle	2	Male/female	Adult	Hunting.
30/05/2023	Kestrel	1	-	-	Carrying food to nesting location.
30/05/2023	Red kite	1	-	-	
30/05/2023	Red kite	2	-	-	
30/05/2023	Buzzard	2	-	-	
31/05/2023	Buzzard	1	-	-	
31/05/2023	Buzzard	1	-	-	

Date	Species	Number recorded	Sex	Age	Notes
05/06/2023	Kestrel	1	-	-	
05/06/2023	Buzzard	1	-	-	
05/06/2023	Kestrel	1	-	-	
05/06/2023	Kestrel	1	-	-	
06/06/2023	Buzzard	-	-	-	
06/06/2023	Kestrel	1	-	-	
07/06/2023	Buzzard	-	-	-	
07/06/2023	Red kite	1	-	-	Observed briefly during misty conditions; not mapped.
07/06/2023	Buzzard	-	-	-	
20/06/2023	Buzzard	-	-	-	
22/06/2023	Buzzard	-	-	-	
03/07/2023	Buzzard	1	-	-	Calling.
03/07/2023	Osprey	1	-	-	Hunting at Loch Earn.
10/07/2023	Buzzard	1	-	-	
10/07/2023	Buzzard	1	-	-	
10/07/2023	Buzzard	1	-	-	
10/07/2023	Buzzard	3	-	-	
10/07/2023	Hen harrier	-	-	-	Heard only; alarm call heard south of survey location.
10/07/2023	Kestrel	1	-	-	
10/07/2023	Kestrel	1	-	-	
10/07/2023	Kestrel	1	-	-	
10/07/2023	Kestrel	3	-	-	
10/07/2023	Kestrel	1	-	-	
11/07/2023	Kestrel	2	-	-	
11/07/2023	Kestrel	1	-	-	
11/07/2023	Kestrel	1	-	-	
12/07/2023	Buzzard	1	-	-	
12/07/2023	Kestrel	1	-	-	
12/07/2023	Kestrel	1	-	-	
12/07/2023	Short-eared owl	2	-	-	Flushed whilst returning to vehicle after survey.
13/07/2023	Buzzard	3	-	-	
13/07/2023	Buzzard	1	-	-	
13/07/2023	Buzzard	1	-	-	
13/07/2023	Buzzard	2	-	-	
13/07/2023	Buzzard	1	-	-	
13/07/2023	Kestrel	1	-	-	
13/07/2023	Kestrel	1	-	-	
13/07/2023	Kestrel	1	-	-	
13/07/2023	Kestrel	1	-	-	
13/07/2023	Kestrel	2	-	-	
13/07/2023	Kestrel	1	-	-	
13/07/2023	Kestrel	1	-	-	
26/07/2023	Buzzard	3	-	-	Family; nesting north of Glenbeich Lodge.
26/07/2023	Golden eagle	1	-	Adult	Landed; then took flight again approximately 30 minutes later.
27/07/2023	Buzzard	-	-	-	Family.
07/08/2023	Buzzard	3	-	-	
07/08/2023	Buzzard	1	-	-	
07/08/2023	Buzzard	1	-	-	

Date	Species	Number recorded	Sex	Age	Notes
07/08/2023	Buzzard	1	-	-	
07/08/2023	Buzzard	3	-	-	
07/08/2023	Buzzard	1	-	-	
07/08/2023	Kestrel	4	-	-	
07/08/2023	Kestrel	4	-	-	
07/08/2023	Buzzard	4	-	-	
07/08/2023	Kestrel	2	-	-	
08/08/2023	Golden eagle	1	-	Adult	Observed outside survey hours.
08/08/2023	Kestrel	1	-	-	
08/08/2023	Kestrel	1	-	-	
08/08/2023	Kestrel	4	-	-	
08/08/2023	Kestrel	1	-	-	
08/08/2023	Kestrel	1	-	-	
09/08/2023	Buzzard	1	-	-	
09/08/2023	Kestrel	1	-	-	
09/08/2023	Kestrel	1	-	-	
09/08/2023	Kestrel	3	-	-	
09/08/2023	Buzzard	1	-	-	
09/08/2023	Golden eagle	1	-	Juvenile	Observed whilst walking to survey location; mobbed by a kestrel.
09/08/2023	Kestrel	1	-	-	
09/08/2023	Kestrel	1	-	-	
10/08/2023	Buzzard	-	-	-	
10/08/2023	Buzzard	-	-	-	
10/08/2023	Kestrel	4	-	-	

D.5 Black Grouse Records

Table D-5 details all black grouse records with lek numbers indicated where appropriate. Refer to **Annex B** for survey methodology and **Annex C** for weather data.

Table D-5 Black grouse activity records: 2021 to 2023

Lek number	Date	Survey visit	No. males	No. females	No. unsexed	Notes
1	30/04/2021	BK1	4	1	-	Lekking.
-	27/05/2021	BBS2	-	-	1	In flight.
1	28/05/2021	BK2	4	-	-	Lekking from 04:00 until 05:20; left the area at 05:35.
1	06/09/2021	VP6	5	-	-	No behaviour recorded.
1	06/09/2021	VP6	2	-	-	No behaviour recorded.
-	14/12/2021	VP6	1	-	-	Perched.
-	20/01/2022	WWO2	-	-	1	
2	28/03/2022	SBBS6	3	-	-	Lekking.
-	13/04/2022	VP5	1	-	-	Observed whilst travelling to survey location.
-	26/04/2022	BBS5	2	-	-	At known lek site but not actively lekking; left the area and flew south-west.
3	26/04/2022	SBBS7	1	-	-	Lekking; heard only; location estimated.
1	27/04/2022	BK3	1	1	-	Lekking from 04:50 and 06:15 with 1 female present. The male flew south and landed approximately 400 metres away and resumed lekking at the new location.

Lek number	Date	Survey visit	No. males	No. females	No. unsexed	Notes
1	27/04/2022	BK3	1	-	-	Same male as described above; lekking within young, fenced plantation from 06:15 until 07:00.
3	27/04/2022	BK3	1	-	-	Lekking; heard only; location estimated.
-	23/05/2022	SBBS8	2	-	-	Loafing; then flew south-west together.
-	24/05/2022	SBBS8	1	-	-	Flushed by a nearby golden eagle; settled elsewhere.
1	26/05/2022	BK4	1	-	-	Lekking until 04:15, flew south and landed approximately 250 metres away and resumed lekking at the new location. Returned to this location at 05:30; left the area and flew west into a young plantation at 06:05.
1	26/05/2022	BK4	1	-	-	Same bird as the above; lekking from 04:15 until 05:30 before returning to the original location.
3	26/05/2022	BK4	1	-	-	Lekking at 03:50; heard only; location estimated.
-	27/05/2022	BBS6	2	-	-	
-	20/07/2022	SBBS10	-	1	4	Family; adult female with 4 young.
-	23/09/2022	VP 6	-	1	-	
-	23/09/2022	VP 6	6	-	-	
-	03/02/2023	VP 6	2	-	-	Flushed during walk to survey location.
-	12/04/2023	SBBS1 (AT)	2	-	-	In flight; the first of three groups which flew across the glen in quick succession.
-	12/04/2023	SBBS1 (AT)	2	-	-	Flew in and landed.
-	12/04/2023	SBBS1 (AT)	-	-	4	In flight; the second of three groups which flew across the glen in quick succession.
-	12/04/2023	SBBS1 (AT)	6	-	-	In flight; the third of three groups which flew across the glen in quick succession.
4	24/05/2023	BK2 (AT)	1	-	-	Lekking; heard only; location estimated.
4	24/05/2023	BK2 (AT)	1	-	-	Lekking; heard only; location estimated.
5	24/05/2023	BK2 (AT)	6	2	-	Lekking; 2 females in attendance at 07:25.
5	24/05/2023	BBS2 (AT)	4	2	-	Lekking.
5	24/05/2023	BBS2 (AT)	2	-	-	Lekking.
6	25/05/2023	BK2 (AT)	1	-	-	Lekking; heard only; location estimated.
5	25/05/2023	BK2 (AT)	1	-	-	Lekking; heard only; location estimated.
5	25/05/2023	BK2 (AT)	4	-	-	Lekking.
-	25/05/2023	BK2 (AT)	1	1	-	In flight.
-	25/05/2023	BBS2 (AT)	-	1	-	In flight.

D.6 Bird Species Index

A total of 93 bird species or signs was recorded at, or adjacent, to the Site during the ornithological surveys.

Table D-6 comprises a list of all these species along with their conservation status.

Table D-6 All bird species recorded at Glentarken Wind Farm (April 2021 to August 2023)

Species	Conservation status	Species	Conservation status
Barn owl	Schedule 1, BoCC ³ Green	Linnet	BoCC Red
Barnacle goose	Annex 1, BoCC Amber	Long-tailed tit	BoCC Green
Black grouse	BoCC Red	Magpie	BoCC Green
Blackbird	BoCC Green	Mallard	BoCC Amber
Blackcap	BoCC Green	Meadow pipit	BoCC Amber
Black-headed gull	BoCC Amber	Merlin	Annex 1, Schedule 1, BoCC Red
Blue tit	BoCC Green	Mistle thrush	BoCC Red
Bullfinch	BoCC Amber	Nuthatch	BoCC Green
Buzzard	BoCC Green	Osprey	Annex 1, Schedule 1, BoCC Amber
Canada goose	No status	Oystercatcher	BoCC Amber
Carrion crow	BoCC Green	Peregrine falcon	Annex 1, Schedule 1, BoCC Green
Chaffinch	BoCC Green	Pheasant	No status
Chiffchaff	BoCC Green	Pied wagtail	BoCC Green
Coal tit	BoCC Green	Pink-footed goose	BoCC Amber
Common crossbill	Schedule 1, BoCC Green	Raven	BoCC Green
Common gull	BoCC Amber	Red grouse	BoCC Green
Common sandpiper	BoCC Amber	Red kite	Annex 1, Schedule 1, BoCC Green
Common whitethroat	BoCC Amber	Red-legged partridge	No status
Cuckoo	BoCC Red	Redwing	Schedule 1, BoCC Amber
Curlew	BoCC Red	Reed bunting	BoCC Amber
Dipper	BoCC Amber	Ring ouzel	BoCC Red
Dunnock	BoCC Amber	Robin	BoCC Green
Fieldfare	Schedule 1, BoCC Red	Sand martin	BoCC Green
Garden warbler	BoCC Green	Short-eared owl	Annex 1, BoCC Amber
Goldcrest	BoCC Green	Siskin	BoCC Green
Golden eagle	Annex 1, Schedule 1, BoCC Green	Skylark	BoCC Red
Golden plover	Annex 1, BoCC Green	Snipe	BoCC Amber
Goldfinch	BoCC Green	Snow bunting	Schedule 1, BoCC Amber
Goosander	BoCC Green	Song thrush	BoCC Amber
Goshawk	Schedule 1, BoCC Green	Sparrowhawk	BoCC Amber
Great spotted woodpecker	BoCC Green	Spotted flycatcher	BoCC Red
Great tit	BoCC Green	Starling	BoCC Red
Green woodpecker	BoCC Green	Stonechat	BoCC Green
Greenfinch	BoCC Red	Swallow	BoCC Green
Greenshank	Schedule 1, BoCC Amber	Swift	BoCC Red
Grey heron	BoCC Green	Tawny owl	BoCC Amber
Grey wagtail	BoCC Amber	Tree pipit	BoCC Red
Greylag goose	BoCC Amber	Treecreeper	BoCC Green

Species	Conservation status	Species	Conservation status
Hen harrier	Annex 1, Schedule 1, BoCC Red	Wheatear	BoCC Amber
Hooded crow	BoCC Green	Whinchat	BoCC Red
House martin	BoCC Red	White-tailed eagle	Annex 1, Schedule 1, BoCC Amber
Jackdaw	BoCC Green	Whooper swan	Annex 1, Schedule 1, BoCC Amber
Jay	BoCC Green	Wigeon	BoCC Amber
Kestrel	BoCC Amber	Willow warbler	BoCC Amber
Lapwing	BoCC Red	Woodpigeon	BoCC Green
Lesser black-backed gull	BoCC Amber	Wren	BoCC Green
Lesser redpoll	BoCC Red		

³ BoCC – Birds of Conservation Concern (Stanbury et al. 2021)