

APPENDIX 7.2

Tirawley Wind Farm:
Bird Survey Flight Line
Data, 2021-23

Tirawley Wind Farm Site - Bird Survey Flightline Data 2021-2023

VP no.	Observer	Date	Mapnote / Flightline No.	Common Name	Species Quantity	Time of Obs.	Total Duration (s)	0-25 m (s)	25-50 m (s)	50-100 m (s)	100-180 m (s)	>180 m (s)	Comment
		Summer 2021											
2	MH	23/04/2021	1	Kestrel	1	10:08	30	30	30	0	-	-	Hunting
1	BM	24/04/2021	2	Buzzard	1	11.13	180	0	0	0	180	0	Circling
5	BM	25/04/2021	3	Kestrel	1	09.17	90	0	60	30	0	0	Male Flying / Hunting low
3	CR	29/04/2021	4	Kestrel	1	08.58	60	60	0	0	0	0	Flying low
3	CR	29/04/2021	5	Lesser black-backed gull	1	12.56	120	120	0	0	0	0	Flew over VP area
3	CR	29/04/2021	6	Lesser black-backed gull	1	04:16	40	0	40	0	0	0	Flying
4	CR	30/04/2021	7	Lesser black-backed gull	3	18.11	35	0	0	15	30	0	Flying / soaring
4	CR	30/04/2021	8	Lesser black-backed gull	26	18.53	60	0	0	0	30	30	Flock flying high
1	BM	09/05/2021	9	Buzzard	1	15.22	180	0		120	6	0	Flying steadily NE
4	CR	16/05/2021	10	Lesser black-backed gull	2	09.37	75	0	0	75	0	0	Flying
4	CR	16/05/2021	11	Kestrel	1	10.57	25	25	0	0	0	0	Flying
5	BM	20/05/2021	12	Kestrel	1	08.43	120	0	90	30	0	0	Hunting
4	CR	03/06/2021	13	Lesser black-backed gull	3	10.02	140	0	20	120	0	0	Drifting
4	CR	03/06/2021	14	Kestrel	1	11.00	60	60	0	0	0	0	Flying / hunting low
2	MH	07/06/2021	15	Lesser black-backed gull	3	09.10	150	0	50	100	0	0	Flying
2	MH	07/06/2021	16	Lesser black-backed gull	5	14.24	135	35	40	60	0	0	Flying
1	BM	12/06/2021	17	Kestrel	1	08.55	180	40	90	50	0	0	Male hunting edge of forest
1	BM	12/06/2021	18	Buzzard	1	10.11	45	0	45	0	0	0	Flying NE
5	BM	13/06/2021	19	Lesser black-backed gull	5	18.05	75	0	0	0	75	0	Loose flock flying
3	MH	25/06/2021	20	Lesser black-backed gull	1	13.35	60	0	0	60	0	0	Flying
2	MH	12/07/2021	21	Kestrel	1	14.30	45	0	45	0	0	0	Hunting near forest edge
2	MH	12/07/2021	22	Lesser black-backed gull	4	15.16	120	0	70	50	0	0	Flying NNW
1	JA	14/07/2021	23	Kestrel	1	14.09	90	30	60	0	0	0	Hovering, then dropped
3	MH	22/07/2021	24	Sparrowhawk	1	09.15	50	50	0	0	0	0	Hunting
2	MH	11/08/2021	25	Sparrowhawk	1	10.10	300	150	150	0	0	0	Flying / hunting
2	MH	11/08/2021	26	Lesser black-backed gull	1	11.10	30	0	30	0	0	0	Flying
5	JA	13/08/2021	27	Sparrowhawk	1	10.18	20	20	0	0	0	0	Hunting
1	BM	27/08/2021	28	Buzzard	2	15.51	400	0	120	240	40	0	Two interacting
4	CR	31/08/2021	29	Hen harrier	1	11.50	45	45	0	0	0	0	Male flying / hunting
4	CR	31/08/2021	30	Kestrel	1	14.40	45	45	0	0	0	0	Flying
3	CR	09/09/2021	31	Kestrel	1	12.07	30	30	0	0	0	0	Flew into quarry
3	CR	09/09/2021	32	Kestrel	1	14.49	120		50	50	0	0	Flying / Hunting

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2	MH	10/09/2021	33	Hen harrier	1	13.23	60	60	0	0	0	0	Ringtail - flying then settled on bare branch for c.10 min
2	MH	10/09/2021	34	Buzzard	1	14.31	40	20	20	0	0	0	Mobbed by pigeons
1	JA	15/09/2021	35	Sparrowhawk	1	09.09	20	20	0	0	0	0	Male hunting
1	JA	16/09/2021	36	Hen harrier	1	16.20	60	40	20	0	0	0	Ringtail hunting rough fields
		Winter 2021-22											
1	JA	10/10/2021	37	Buzzard	1	13.47	90	0	0	90	0	0	Flying
2	MH	14/10/2021	38	Kestrel	1	13.41	150	0	50	100	0	0	Male hunting
2	MH	14/10/2021	39	Buzzard	1	13.59	85	0	0	85	0	0	Adult flying
4	CR	22/10/2021	40	Kestrel	1	14.05	480	100	180	200	0	0	Flying / Hovering / hunting
4	CR	22/10/2021	41	Kestrel	1	14.16	400	160	100	140	0	0	Hunting - dropped and got prey item
4	CR	22/10/2021	42	Buzzard	1	15.37	70	0	30	40	0	0	Soaring
5	BM	22/10/2021	43	Buzzard	1	10.34	120	0	60	60	0	0	Flying
3	HK	31/10/2021	44	Hen harrier	1	12.06	75	0	75	0	0	0	Ad male flying, appeared to land on bog, not seen again
1	BM	24/11/2021	45	Kestrel	1	11.53	120	20	30	70	0	0	Hovering / hunting - female
5	JA	24/11/2021	46	Sparrowhawk	1	13.12	30	0	30	0	0	0	Hunting edge forest - male
2	BM	25/11/2021	47	Buzzard	1	10.44	90	0	0	90	0	0	Circling over forest
2	BM	25/11/2021	48	Kestrel	1	11.06	75	0	75	0	0	0	Hunting
3	JA	25/11/2021	49	Kestrel	1	13.15	60	0	60	0	0	0	Flying over bog, male
4	JA	30/11/2021	50	Sparrowhawk	1	10.38	30	30	0	0	0	0	Hunting
5	JA	10/12/2021	51	Buzzard	1	13.06	180	0	0	100	80	0	Soaring
1	BM	10/12/2021	52	Sparrowhawk	1	10.43	25	25	0	0	0	0	Hunting
3	HK	21/12/2021	53	Peregrine	1	09.45	32	0	32	0	0	0	Adult flying low
3	HK	21/12/2021	54	Kestrel	1	13.47	40	0	40	0	0	0	Hunting
3	HK	21/12/2021	55	Hen harrier	1	14.35	98	98	0	0	0	0	Ad male - actively hunting
4	HK	30/12/2021	56	Kestrel	1	09.02	110	20	30	60	0	0	Hovering
4	HK	30/12/2021	57	Sparrowhawk	3	11.06	90	0	40	50	0	0	2 male, 1 female rising
4	HK	30/12/2021	58	Hen harrier	1	13.28	120	120	0	0	0	0	Ad male flying low
2	MH	04/01/2022	59	Hen harrier	1	16.30	90	90	0	0	0	0	Flying low
1	BM	20/01/2022	60	Peregrine	1	10.09	70	0	0	70	0	0	Flying steadily
5	JA	24/01/2022	61	Sparrowhawk	1	11.02	25	25	0	0	0	0	Chasing prey item
3	HK	25/01/2022	62	Sparrowhawk	1	09.28	40	0	20	20	0	0	Female flying
3	HK	25/01/2022	63	Peregrine	1	13.53	150	70	80	0	0	0	Flying
5	BM	15/02/2022	64	Buzzard	2	10.56	220	0	50	100	70	0	Pair circling
3	HK	22/02/2022	65	Hen harrier	1	08.54	65	50	15	0	0	0	Ad male actively hunting
3	HK	22/02/2022	66	Kestrel	1	10.10	45	20	25	0	0	0	Male flying
4	HK	27/02/2022	67	Hen harrier	1	09.50	70	10	60	0	0	0	Ad male got up from bog, flew over forest and landed again on bog
4	HK	27/02/2022	68	Kestrel	1	10.34	75	50	25	0	0	0	Hovering
2	MH	14/03/2022	69	Buzzard	2	14.36	650	150	300	150	50	0	Pair in display

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1	JA	15/03/2022	70	Buzzard	1	13.42	80	0	80	0	0	0	Flying
3	HK	19/03/2022	71	Hen harrier	1	06.34	22	22	0	0	0	0	Emerged from bog and flew east over quarry area - roost
4	HK	24/03/2022	72	Kestrel	1	10.44	110	60	30	20	0	0	Hunting actively
5	BM	27/03/2022	73	Kestrel	1	10.18	120	0	40	80	0	0	Flying / hunting
		Summer 2022											
2	MH	08/04/2022	74	Sparrowhawk	1	13.47	10	10	0	0	0	0	Male hunting
2	MH	08/04/2022	75	Kestrel	1	14.09	60	0	0	60	0	0	Hovering
2	MH	08/04/2022	76	Buzzard	2	15.05	80	0	0	80	0	0	Pair interacting
1	JA	09/04/2022	77	Buzzard	2	14.18	170	0	0	120	50	0	Pair circling
5	BM	24/04/2022	78	Lesser black-backed gull	9	10.43	180	0	0	0	100	80	Loose flock high
5	BM	24/04/2022	79	Sparrowhawk	1	16.08	30	30	0	0	0	0	Male hunting
4	HK	25/04/2022	80	Kestrel	1	09.26	50	20	30	0	0	0	Flying / hunting
1	JA	17/05/2022	81	Buzzard	1	11.11	70	0	70	0	0	0	Flying
5	JA	18/05/2022	82	Sparrowhawk	1	09.17	90	0	0	90	0	0	Circling / soaring
2	MH	19/05/2022	83	Lesser black-backed gull	3	08.40	45	0	45	0	0	0	Adults
3	DM	21/05/2022	84	Sparrowhawk	1	14.56	30	30	0	0	0	0	Male hunting
3	DM	04/06/2022	85	Buzzard	2	16.18	240	0	100	100	40	0	Pair interacting / rising
2	MH	09/06/2022	86	Sparrowhawk	1	15.55	40	40	0	0	0	0	Flying
2	MH	09/06/2022	87	Lesser black-backed gull	2	16.10	25	25	0	0	0	0	Flying
1	BM	15/06/2022	88	Kestrel	1	09.17	45	0	45	0	0	0	Hunting edge of forest
5	JA	22/06/2022	89	Sparrowhawk	1	11.00	90	0	45	45	0	0	Bird circling - prob female
2	MH	07/07/2022	90	Lesser black-backed gull	2	09.44	65	0	65	0	0	0	Flying - adults
2	MH	07/07/2022	91	Buzzard	2	11.30	305	0	0	0	305	0	Pair interacting
3	DM	10/07/2022	92	Kestrel	1	16.14	85	85	0	0	0	0	Hunting
4	DM	11/07/2022	93	Lesser black-backed gull	1	14.33	45	5	40	0	0	0	Flying low
4	DM	11/07/2022	94	Kestrel	2	14.35	210	60	60	90	0	0	Two hunting
1	JA	20/07/2022	95	Kestrel	1	10.48	120	30	60	30	0	0	Male hunting
5	JA	21/07/2022	96	Sparrowhawk	2	09.43	180	0	60	40	80	0	Pair rising
3	DM	11/08/2022	97	Sparrowhawk	1	17.39	10	5	5	0	0	0	Juvenile flying along forest
3	DM	11/08/2022	98	Kestrel	1	18.40	20	20	0	0	0	0	Male
4	DM	12/08/2022	99	Buzzard	2	12.33	90	0	90	40	50	0	Two Soaring
2	MH	13/08/2022	100	Merlin	1	10.13	12	12	0	0	0	0	Female after bird (pipit?) - then landed on fence post for 6 min, and flew again
2	MH	13/08/2022	101	Merlin	1	12.25	10	10	0	0	0	0	Flying along ditch & cross road - not sexed but probably same as earlier
5	BM	14/08/2022	102	Buzzard	1	14.54	70	0	70	0	0	0	Flying
1	JA	24/08/2022	103	Sparrowhawk	1	10.23	75	0	75	0	0	0	Circling over forest
1	BM	17/09/2022	104	Peregrine	1	10.09	60	0	40	20	0	0	Flying direct - prob female

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1	BM	17/09/2022	105	Lesser black-backed gull	13	18.12	180	0	120	60	0	0	Loose flock - ads & imms
		Winter 2022-23											
1	JA	10/10/2022	106	Kestrel	1	11.09	60	0	60	0	0	0	Flying / hunting
1	JA	10/10/2022	107	Buzzard	2	14.47	160	0	80	40	40	0	Pair rising
3	DM	11/10/2022	108	Hen harrier	1	12.38	55	55	0	0	0	0	Male hunting over wet field / bog
3	DM	11/01/2022	109	Kestrel	1	13.05	210	0	110	100	0	0	Male hunting
5	BM	18/10/2022	110	Buzzard	1	13.14	75	0	75	0	0	0	Flying
5	JA	12/11/2022	111	Kestrel	1	13.09	90	60	30	0	0	0	Hovering
1	JA	13/11/2022	112	Hen harrier	1	10.12	75	75	0	0	0	0	Male hunting fields
3	DM	22/11/2022	113	Hen harrier	1	14.43	5	5	0	0	0	0	Male seen briefly
4	DM	23/11/2022	114	Kestrel	1	11.36	50	40	10	0	0	0	Female hovering
5	BM	13/12/2022	115	Buzzard	1	11.11	90	30	60	0	0	0	Hunting
1	JA	16/12/2022	116	Kestrel	1	10.16	110	30	30	50	0	0	Male hunting on bog
2	MH	19/12/2022	117	Kestrel	1	14.57	120	60	60	0	0	0	Male hunting
2	MH	02/01/2023	118	Kestrel	1	09.32	50	50	0	0	0	0	Male hunting / flying
1	JA	11/01/2023	119	Buzzard	1	09.45	90	0	90	0	0	0	Flying low over wet fields
5	JA	12/01/2023	120	Kestrel	1	13.22	120	40	80	0	0	0	Hunting
4	DM	23/01/2023	121	Kestrel	1	14.04	20	0	20	0	0	0	Hovering
4	DM	23/01/2023	122	Hen harrier	1	14.14	23	23	0	0	0	0	Male along edge of forest, then dropped onto bog
4	DM	23/01/2023	123	Hen harrier	1	15.09	88	88	0	0	0	0	Male hunting - same as above
5	BM	15/02/2023	124	Buzzard	2	15.13	200	0	0	50	150	0	Pair in display rising
3	DM	18/02/2023	125	Kestrel	1	11.22	10	10	0	0	0	0	Flying across quarry
5	JA	24/02/2023	126	Sparrowhawk	2	14.58	240	0	0	120	120	0	Pair in display
5	JA	19/03/2023	127	Sparrowhawk	1	11.08	20	20	0	0	0	0	Hunting
5	JA	19/03/2023	128	Buzzard	1	16.21	90	0	90	0	0	0	Flying
1	JA	20/03/2023	129	Sparrowhawk	1	10.32	120	0	0	120	0	0	Soaring
3	DM	25/03/2023	130	Buzzard	2	14.16	220	0	0	160	60	0	Pair rising
4	DM	28/03/2023	131	Kestrel	1	09.30	75	25	50	0	0	0	Hunting - male