APPENDIX 7-4

Survey Data

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1. SURVEY DATA

1.1 Golden plover

Table 7 - 4 - 1 Golden plover vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
GP001	VP5	03/11/2020	17:49	Golden Plover	1	-	-	-	-	-	improved agricultural grassland; audible calling in the dark	SD
GP002	VP2	04/11/2020	15:46	Golden Plover	22	30	0	0	30	0	dry meadows and grassy verges; circling flock	SD
GP003	VP2	04/11/2020	16:35	Golden Plover	7	17	7	10	0	0	dry meadows and grassy verges; flying over hill	SD
GP004	VP2	04/11/2020	16:36	Golden Plover	6	15	8	7	0	0	dry meadows and grassy verges; flying low over hill	SD
GP005	VP2	04/11/2020	16:39	Golden Plover	13	7	7	0	0	0	dry meadows and grassy verges; flying low over hill. also audible flying behind vantage point	SD
GP006	VP2	04/11/2020	16:45	Golden Plover	18	660	600	15	45	0	dry meadows and grassy verges; flock circling	SD
GP007	VP2	04/11/2020	16:58	Golden Plover	13	139	129	10	0	0	dry meadows and grassy verges; flock circling	SD
GP008	VP4	02/12/2020	16:45	Golden Plover	27	360	300	60	0	0	wet grassland; circling together	SD
GP009	VP2	08/03/2021	08:15	Golden Plover	80	87	0	15	45	27	improved agricultural grassland and conifer plantation; flock circling	RT
GP010	VP5	10/04/2021	17:52	Golden Plover	80	-	-	-	-	-	improved agricultural grassland; feeding	KW
GP011	VP5	10/04/2021	19:18	Golden Plover	80	254	0	0	254	0	improved agricultural grassland; flying, lost sight of in snow shower	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
GP012	VP4	12/04/2021	21:15	Golden Plover	1	3	0	0	3	0	improved agricultural grassland; call / flying, guestimate unseen only call heard	KW
GP013	VP2	20/04/2021	17:18	Golden Plover	50	88	88	0	0	0	improved agricultural grassland; flying - heard calling, dropped below hill	KW
GP014	VP2	20/04/2021	19:12	Golden Plover	12	33	0	33	0	0	improved agricultural grassland; flying, heavy mist flying south	KW
GP015	VP2	20/04/2021	19:21	Golden Plover	50	173	0	0	173	0	improved agricultural grassland; flying - typical whirling flight	KW
GP016	VP2	20/04/2021	19:26	Golden Plover	60	405	0	0	405	0	improved agricultural grassland; flying - whirling about 1 group into 3 & back to 1 group again	KW
GP017	VP2	20/04/2021	19:38	Golden Plover	80	288	0	0	288	0	improved agricultural grassland; flying, flock of 60 joined by flock of 20 flying south	KW
GP018	VP4	27/09/2021	18:02	Golden Plover	7	33	0	33	0	0	improved agricultural grassland; flying	KW
GP019	VP2	29/09/2021	15:29	Golden Plover	1	-	-	-	-	-	improved agricultural grassland; flying, unseen - heard calling, unsure of number - possibly solitary bird although 3 observed up later	KW
GP020	VP2	29/09/2021	17:18	Golden Plover	3	135	0	0	135	0	improved agricultural grassland; flying	KW
GP021	VP1	06/10/2021	06:47	Golden Plover	1	-	-	-	-	-	improved agricultural grassland; calling, unseen only heard	KW
GP022	VP4	22/10/2021	08:42	Golden Plover	30	89	0	0	89	0	improved agricultural grassland; flying - dropped under hill splitting into 2 groups 25 and 5	KW
GP023	VP4	22/10/2021	08:43	Golden Plover	5	17	0	0	17	0	improved agricultural grassland; flying, 5 birds from group of 30 veered west	KW
GP024	VP4	22/10/2021	08:46	Golden Plover	25	293	0	0	293	0	improved agricultural grassland; flying, 25 birds	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
GP025	VP2	24/10/2021	08:16	Golden Plover	50	125	0	0	125	0	improved agricultural grassland; flying into patch of low cloud	KW
GP026	VP1	17/12/2021	12:23	Golden Plover	8	99	0	99	0	0	improved agricultural grassland; flying, meandering flight south, lost in cloud	KW
GP027	VP2	26/03/2022	16:53	Golden Plover	100	136	0	0	136	0	improved agricultural grassland; flying, below hill - south of hill	KW
GP028	VP2	26/09/2022	18:29	Golden Plover	1	48	19	4	25	0	improved agricultural grassland; flying, solitary adult landed on brow of hill	KW
GP029	VP3	27/10/2025	12:14	Golden Plover	16	20	0	0	20	0	improved grassland and hedgerows; flying	AR
GP030	VP3	27/10/2025	15:21	Golden Plover	26	10	0	0	10	0	improved grassland; flying	AR
GP031	VP3	27/10/2025	16:11	Golden Plover	4	5	0	0	5	0	improved grassland; flying	AR
GP032	VP2	29/10/2025	12:11	Golden Plover	76	60	0	60	0	0	improved grassland, hedgerows and conifer plantation; circling	AR
GP033	VP2	29/10/2025	13:41	Golden Plover	16	20	0	0	20	0	improved grassland and hedgerows; flying	AR
GP034	VP2	29/10/2025	14:02	Golden Plover	23	10	10	0	0	0	improved grassland and hedgerows; flying, landing	AR
GP035	VP2	29/10/2025	15:09	Golden Plover	11	40	0	0	20	20	improved grassland, hedgerows and conifer plantation; flying	AR
GP036	VP2	29/10/2025	15:39	Golden Plover	6	20	0	0	20	0	improved grassland and hedgerows; flying	AR
GP037	VP5	15/11/2025	08:09	Golden Plover	36	10	0	0	10	0	improved grassland, hedgerows and conifer plantation; flying	AR
GP038	VP5	15/11/2025	09:41	Golden Plover	19	10	0	0	10	0	improved grassland, hedgerows and conifer plantation; flying	AR
GP039	VP5	15/11/2025	11:06	Golden Plover	4	5	0	0	5	0	improved grassland; flying	AR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
GP040	VP1	16/11/2025	11:23	Golden Plover	16	40	0	0	40	0	improved grassland and conifer plantation; circling	AR
GP041	VP4	17/11/2025	08:39	Golden Plover	6	15	0	0	15	0	improved grassland and hedgerows; flying	AR
GP042	VP4	17/11/2025	09:13	Golden Plover	22	10	0	0	10	0	improved grassland, hedgerows and conifer plantation; flying	AR
GP043	VP4	17/11/2025	11:02	Golden Plover	17	5	0	0	5	0	improved grassland and hedgerows; flying	AR
GP044	VP4	17/11/2025	11:32	Golden Plover	33	10	0	0	10	0	improved grassland and hedgerows; flying	AR
GP045	VP2	27/11/2025	08:19	Golden Plover	16	20	0	20	0	0	improved grassland; flying	AR
GP046	VP2	27/11/2025	08:43	Golden Plover	36	60	0	60	0	0	improved grassland and conifer plantation; circling	AR
GP047	VP2	27/11/2025	09:11	Golden Plover	3	10	0	10	0	0	improved grassland; flying	AR
GP048	VP2	27/11/2025	10:51	Golden Plover	15	5	5	0	0	0	improved grassland; flying, landing	AR
GP049	VP2	27/11/2025	12:12	Golden Plover	6	30	0	0	30	0	improved grassland and conifer plantation; flying	AR
GP050	VP3	29/11/2025	10:17	Golden Plover	64	10	0	0	20	0	improved grassland; flying	AR
GP051	VP3	29/11/2025	12:09	Golden Plover	27	10	0	0	10	0	improved grassland; flying	AR
GP052	VP3	05/12/2025	15:22	Golden Plover	22	60	0	0	60	0	conifer plantation and improved grassland; circling	AR
GP053	VP2	30/12/2025	12:16	Golden Plover	3	10	0	0	10	0	improved grassland and hedgerows; flying	AR
GP054	VP2	30/12/2025	15:17	Golden Plover	62	15	0	0	15	0	improved grassland, hedgerows and conifer plantation; circling	AR
GP055	VP4	14/01/2026	11:08	Golden Plover	9	10	10	0	0	0	improved grassland, hedgerows and conifer plantation; flying	AR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
GP056	VP2	15/01/2026	09:11	Golden Plover	33	60	0	30	30	0	improved grassland and hedgerows; circling	AR
GP057	VP2	15/01/2026	12:17	Golden Plover	5	30	0	0	30	0	improved grassland and conifer plantation; flying	AR
GP058	VP5	16/01/2026	08:09	Golden Plover	16	30	0	30	0	0	improved grassland and hedgerows; flying	AR
GP059	VP5	16/01/2026	13:34	Golden Plover	300	10	5	5	0	0	improved grassland and hedgerows; flying, landing	AR
GP060	VP2	24/02/2026	12:42	Golden Plover	70	300	0	0	300	0	improved grassland and conifer plantation; circling	AR
GP061	VP2	24/02/2026	14:06	Golden Plover	70	120	0	0	120	0	improved grassland and conifer plantation; circling	AR
GP062	VP2	24/02/2026	17:03	Golden Plover	128	180	20	40	120	0	improved grassland and conifer plantation; circling	AR
GP063	VP5	25/02/2026	13:02	Golden Plover	17	10	0	0	10	0	improved grassland and hedgerows; flying	AR
GP064	VP3	25/02/2026	16:11	Golden Plover	70	300	0	0	300	0	improved grassland, conifer plantation and hedgerows; circling	AR
GP065	VP5	27/02/2026	14:46	Golden Plover	43	20	0	0	20	0	improved grassland and hedgerows; flying	AR
GP066	VP5	27/02/2026	15:17	Golden Plover	68	30	0	0	30	0	improved grassland and hedgerows; flying	AR
GP067	VP4	28/02/2026	13:17	Golden Plover	120	130	10	40	80	0	improved grassland and hedgerows; circling	AR
GP068	VP1	25/03/2026	08:30	Golden Plover	57	40	0	0	40	0	conifer plantation and improved grassland; circling	AR
GP069	VP4	27/03/2026	09:09	Golden Plover	6	10	0	0	10	0	improved grassland, hedgerows and conifer plantation; flying, high over	AR
GP070	VP2	18/04/2026	16:02	Golden Plover	14	10		10			improved grassland, conifer plantation and hedgerows; flying	AR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
GP071	VP2	18/04/2026	18:34	Golden Plover	36	300		100	200		conifer plantation, improved grassland and hedgerows; circling	AR
GP072	VP5	24/04/2026	16:07	Golden Plover	7	10			10		improved grassland and hedgerows; flying	AR

Table 7 - 4 - 2 Golden plover winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
GP001	21/10/2021	14:30	Not recorded	Golden Plover	120	improved agricultural grassland; feeding	KW
GP002	22/10/2021	15:34	Not recorded	Golden Plover	120	improved agricultural grassland; flying	KW
GP003	22/10/2021	15:39	Not recorded	Golden Plover	50	improved agricultural grassland; flying	KW
GP004	24/12/2025	13:53	T5	Golden Plover	81	improved grassland and conifer plantation; flying (wintering)	AR
GP005	11/01/2026	13:01	T5	Golden Plover	66	improved grassland and conifer plantation; circling (wintering)	AR
GP006	15/03/2026	13:41	T5	Golden Plover	63	improved grassland and conifer plantation; circling (wintering)	AR

Table 7 - 4 - 3 Golden plover breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
GP001	21/04/2026	10:02	T3	Golden Plover	17	conifer plantation, improved grassland and hedgerows; flying (migrating; non-breeding)	AR
GP002	23/04/2026	10:01	T5	Golden Plover	38	improved grassland, hedgerows and conifer plantation; circling (migrating; non-breeding)	AR

Table 7 - 4 - 4 Golden plover waterbird distribution and abundance survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GP001	Horse and Jockey	27/11/2020	15:57	Golden Plover	200	wet grassland and lakes and ponds; coming in to roost on grass around lake	SD
GP002	River Nore	09/12/2020	14:09	Golden Plover	50	improved agricultural grassland and wet grassland; flying over south to north	SD
GP003	River Nore	09/12/2020	14:12	Golden Plover	50	wet grassland; flushed by raptor	SD
GP004	Horse and Jockey	09/12/2020	15:45	Golden Plover	21	wet grassland and lakes and ponds; roost	SD
GP005	Freshford	30/09/2021	11:21	Golden Plover	44	arable crops; flying	KW
GP006	River Nore	26/10/2021	14:31	Golden Plover	30	improved agricultural grassland; flying	KW
GP007	River Nore	15/11/2021	12:45	Golden Plover	100	improved agricultural grassland; flying, nearby resident here advised the lands east of river here was a floodplain surrounded by water 10 + years ago and huge numbers of golden plover (10000) & curlew (1000) were to be found here	KW
GP008	River Nore	15/11/2021	12:45	Golden Plover	150	improved agricultural grassland; flying	KW
GP009	River Nore	15/11/2021	12:45	Golden Plover	500	improved agricultural grassland; flying	KW
GP010	River Nore	15/11/2021	14:55	Golden Plover	30	depositing/lowland rivers; flying	KW
GP011	Nuenna Equestrian Centre	27/11/2021	10:00	Golden Plover	1	mesotrophic lakes; feeding	KW
GP012	Horse and Jockey	13/12/2021	11:15	Golden Plover	350	improved agricultural grassland; flying	KW
GP013	Horse and Jockey	27/12/2021	10:30	Golden Plover	80	improved agricultural grassland; flying	KW
GP014	Horse and Jockey	26/01/2022	09:15	Golden Plover	350	improved agricultural grassland; roosting/flying	KW
GP015	River Nore	26/01/2022	11:48	Golden Plover	500	improved agricultural grassland; flying	KW
GP016	Horse and Jockey - Rathreagh	10/12/2025	11:10	Golden Plover	140	improved grassland and hedgerows; flying, flooded area	AR

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GP017	Horse and Jockey - Rathreagh	28/12/2025	10:15	Golden Plover	302	improved grassland and hedgerows; foraging, flooded area	AR
GP018	Ballyconra	28/12/2025	11:28	Golden Plover	46	improved grassland, hedgerows and watercourses; roosting	AR
GP019	Horse and Jockey - Rathreagh	12/01/2026	14:10	Golden Plover	60	improved grassland and hedgerows; roosting, flooded area	AR
GP020	Horse and Jockey - Rathreagh	29/01/2026	09:00	Golden Plover	400	improved grassland and hedgerows; flying, flooded area	AR
GP021	The Loughane	16/02/2026	08:00	Golden Plover	4	improved grassland and hedgerows; foraging	AR
GP022	Ballyconra River Nore	16/02/2026	11:56	Golden Plover	10	improved grassland, hedgerows and watercourses; foraging	AR
GP023	Horse and Jockey - Rathreagh	13/03/2026	09:47	Golden Plover	120	improved grassland and hedgerows; foraging, flooded area	AR

Table 7 - 4 - 5 Golden plover incidental data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GP001	Hen Harrier Roost Survey; Foyle North	15/12/2020	08:44	Golden Plover	150	improved agricultural grassland; flying over	SD
GP002	Vantage Point Survey; Killoshulan	26/03/2022	16:28	Golden Plover	100	improved agricultural grassland; flying on western slopes of hill, seen during lunch break	KW
GP003	Vantage Point Survey; VP5	15/11/2025	11:11	Golden Plover	27	improved grassland; circling, behind viewshed	AR
GP004	Vantage Point Survey; VP2	30/12/2025	11:21	Golden Plover	14	improved grassland and conifer plantation; circling, behind viewshed	AR
GP005	Vantage Point Survey; VP4	28/02/2026	14:21	Golden Plover	36	improved grassland, hedgerows and conifer plantation; flying	AR

1.3 Hen harrier

Table 7 - 4 - 6 Hen harrier vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
HH001	VP2	08/03/2021	12:04	Hen Harrier	1	51	0	3	48	0	conifer plantation and scrub; flying then dove diagonally into plantation, female	RT

Table 7 - 4 – 7 Hen harrier winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
HH001	19/03/2021	17:29	Not recorded	Hen Harrier	1	improved agricultural grassland; flying low across fields (wintering)	SD

Table 7 - 4 - 8 Hen harrier breeding raptor survey data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
HH001	BR5	23/04/2022	16:00	Hen Harrier	1	mixed broadleaved woodland, flying, male hen harrier picked up over 2 km south of site (flying south) over woodland - noteworthy	suitable nesting habitat; possible breeder	KW

Table 7 - 4 - 9 Hen harrier roost survey data

Ref.	HHVP	Date	Time	Species	Number	Habitat and activity	Surveyor
HH001	HHVP1	08/02/2021	17:45	Hen Harrier	1	conifer plantation, flew from one tree to another on edge of woods, didn't see it fly to the ground to roost, female	RT
HH002	HHVP1	03/03/2021	17:59	Hen Harrier	1	conifer plantation, glides low over treetops out of site. not observed landing, female	SD

1.5 Kingfisher

Table 7 - 4 - 10 Breeding kingfisher survey data

Ref.	Location	Date	Time	Observation	Habitat	Surveyor
KF001	Nore	30/06/2026	12:03	Kingfisher; flying along the river upstream	depositing/lowland rivers in improved grassland; suitable habitat	ZE
KF002	Nore	30/06/2026	12:03	suitable nesting bank for Kingfisher; very small section of exposed steep river bank - no active burrows or evidence of breeding at the time of the survey	depositing/lowland rivers in improved grassland; suitable habitat	ZE
KF003	Nore	30/06/2026	14:21	Kingfisher; flying, alarm calling - an individual got alarmed when spotted the surveyor at the tree where it wanted to perch on and then continued flying	depositing/lowland rivers in linear woodland/scrub; not suitable nesting habitat	ZE
KF004	Nore	30/06/2026	14:27	Kingfisher; an adult individual was flying downstream above the water	depositing/lowland rivers in linear woodland/scrub; not a suitable nesting habitat	ZE
KF005	Nore	16/07/2025	11:50	Kingfisher; an individual was flying and calling upstream/north - just above the water in the middle of the river	depositing/lowland rivers in linear woodland/scrub; not a suitable nesting habitat	ZE
KF006	Nore	16/07/2026	14:34	Kingfisher; an individual was flaying and calling downstream/south - just above the water in the middle of the river	depositing/lowland rivers in linear woodland/scrub; not a suitable nesting habitat	ZE

1.6 Little egret

Table 7 - 4 - 11 Little egret waterbird distribution and abundance survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ET001	River Nore	06/11/2020	10:05	Little Egret	6	wet grassland; foraging in flooded field	SD
ET002	River Nore	27/11/2020	11:25	Little Egret	1	wet grassland; displaced by heron	SD

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ET003	Horse and Jockey	27/11/2020	15:58	Little Egret	1	lakes and ponds; foraging	SD
ET004	River Nore	09/12/2020	14:07	Little Egret	1	depositing/lowland rivers; flying along river, lands on river edge	SD
ET005	River Nore	18/12/2020	14:14	Little Egret	1	depositing/lowland rivers and wet grassland; foraging at riverside	SD
ET006	River Nore	06/01/2021	11:09	Little Egret	2	depositing/lowland rivers and wet grassland; foraging along river	SD
ET007	River Nore	10/02/2021	10:23	Little Egret	1	improved agricultural grassland; flying, flushed by observer, just outside 8km buffer	SD
ET008	River Nore	22/02/2021	09:33	Little Egret	1	improved agricultural grassland and depositing/lowland rivers; foraging, field flooded	RT
ET009	River Nore	09/03/2021	13:11	Little Egret	1	depositing/lowland rivers; foraging, just outside 8km radius	SD
ET010	River Nore	09/03/2021	14:12	Little Egret	1	wet grassland; foraging	SD
ET011	River Nore	24/03/2021	16:00	Little Egret	1	wet grassland; foraging	SD
ET012	River Nore	24/03/2021	16:01	Little Egret	1	depositing/lowland rivers; flying along river	SD
ET013	Loughane	30/05/2021	10:45	Little Egret	1	turloughs; fishing	KW
ET014	River Nore	30/09/2021	12:09	Little Egret	2	depositing/lowland rivers; flying	KW
ET015	River Nore	15/10/2021	14:18	Little Egret	2	improved agricultural grassland and depositing/lowland rivers; flying	KW
ET016	River Nore	13/12/2021	12:30	Little Egret	1	depositing/lowland rivers; foraging	KW
ET017	River Nore	27/12/2021	14:25	Little Egret	2	improved agricultural grassland; foraging	KW
ET018	River Nore	15/01/2022	12:30	Little Egret	2	improved agricultural grassland; roosting/foraging, flooded field, field flooded for 1st time this year	KW
ET019	River Nore	26/01/2022	11:59	Little Egret	1	depositing/lowland rivers and improved agricultural grassland; flying	KW
ET020	River Nore	28/02/2022	12:15	Little Egret	1	depositing/lowland rivers; foraging	KW
ET021	River Nore	28/02/2022	15:08	Little Egret	2	depositing/lowland rivers; foraging	KW
ET022	River Nore	18/03/2022	13:03	Little Egret	8	depositing/lowland rivers; foraging, old survey reference: et001; no sign of we	KW

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ET023	River Nore	31/03/2022	11:23	Little Egret	2	depositing/lowland rivers; flying, old survey reference: et001	KW
ET024	River Nore	17/04/2022	10:10	Little Egret	3	depositing/lowland rivers; foraging	KW
ET025	Loughane	27/05/2022	19:00	Little Egret	2	wet grassland; travelling	CB
ET026	Foulkscourt	12/10/2025	11:10	Little Egret	1	improved grassland; foraging	AR
ET027	River Nore	28/11/2025	11:22	Little Egret	1	improved grassland and hedgerows; flying, landing, flooded area	AR
ET028	Ballyragget	10/12/2025	13:01	Little Egret	1	improved grassland, hedgerows and watercourses; flying, flooded river	AR
ET029	Freshford	10/12/2025	13:19	Little Egret	2	improved grassland, hedgerows and watercourses; flying, flooded area	AR
ET030	Freshford	28/12/2025	12:39	Little Egret	1	improved grassland, hedgerows and watercourses; foraging	AR
ET031	Ballyragget - River Nore	12/01/2026	09:57	Little Egret	1	improved grassland, hedgerows and watercourses; foraging, flooded area	AR
ET032	Grange	16/02/2026	12:17	Little Egret	3	improved grassland, hedgerows and watercourses; flying	AR
ET033	Island - River Nore	16/02/2026	13:51	Little Egret	1	improved grassland, hedgerows and watercourses; foraging	AR
ET034	Grange	26/02/2026	12:26	Little Egret	1	improved grassland, and watercourses; foraging	AR
ET035	Clintstown	26/02/2026	12:47	Little Egret	4	improved grassland, hedgerows and watercourses; flying	AR
ET036	The Loughane	13/03/2026	08:26	Little Egret	2	improved grassland and hedgerows; foraging, flooded area	AR
ET037	River Nore	13/03/2026	12:46	Little Egret	2	improved grassland, hedgerows and watercourses; foraging, flooded area	AR
ET038	Parkgrove - River Nore	24/03/2026	09:27	Little Egret	1	improved grassland, hedgerows and watercourses; foraging, flooded area	AR
ET039	Inchmore Islands	24/03/2026	10:14	Little Egret	3	improved grassland, hedgerows and watercourses; foraging, flooded area	AR
ET040	Borrismore	24/03/2026	14:30	Little Egret	1	improved grassland; foraging	AR

Table 7 - 4 - 12 Little egret incidental data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ET001	Breeding Raptor Survey; Darbyshill	26/05/2021	12:26	Little Egret	1	improved agricultural grassland; flying towards the Loughnane	KW

ET002	Breeding Raptor Survey; Gattabaun	03/06/2022	19:08	Little Egret	1	improved agricultural grassland; travelling	CB

1.7 Barn owl

Table 7 - 4 - 13 Barn owl incidental data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BO001	Breeding Woodcock Survey; Gattabaun - 52.7661781, -7.4692913	15/06/2021	23:26	Barn Owl	1	improved agricultural grassland; hunting, seen from car when driving past	KW

1.8 Peregrine falcon

Table 7 - 4 - 14 Peregrine falcon vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
PE001	VP3	23/11/2020	11:05	Peregrine Falcon	1	240	0	40	200	0	conifer plantation and improved agricultural grassland; flying and soaring	ED
PE002	VP3	15/03/2021	10:34	Peregrine Falcon	1	140	0	0	140	0	improved agricultural grassland and conifer plantation; flying	RT
PE003	VP1	16/03/2021	12:00	Peregrine Falcon	2	75	0	0	75	0	improved agricultural grassland; flying	RT
PE004	VP3	18/06/2021	18:07	Peregrine Falcon	1	958	0	39	373	546	improved agricultural grassland; hunting - flew north 20m veered east & soared to 150m circled at 150m for 6+mins then circled to 300m before rapid stoop to 80m missing target & beginning to circle again	KW
PE005	VP3	18/06/2021	18:17	Peregrine Falcon	2	318	0	0	247	0	improved agricultural grassland; hunting - pe001 joined by 2nd peregrine falcon, birds circled east before flying east	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
PE006	VP3	18/06/2021	18:39	Peregrine Falcon	1	88	0	88	0	0	improved agricultural grassland; flying - dropped to recently cut grassland	KW
PE007	VP5	23/07/2021	10:32	Peregrine Falcon	1	38	0	0	38	0	improved agricultural grassland; flying/hunting - long glide northwest	KW
PE008	VP3	29/07/2021	11:34	Peregrine Falcon	1	712	0	0	712	0	conifer plantation and improved agricultural grassland; flying - gliding at 150m harrying raven, juvenile	KW
PE010	VP3	29/07/2021	12:04	Peregrine Falcon	1	167	0	54	103	0	conifer plantation and improved agricultural grassland; initially shadowing flight of raven + half-hearted attempts to clutch it then glided north, west dropping to 15m going west	KW
PE011	VP1	18/08/2021	15:04	Peregrine Falcon	1	76	0	0	76	0	improved agricultural grassland; hunting - stooped dropping below hill, juvenile	KW
PE012	VP2	30/08/2021	15:54	Peregrine Falcon	1	388	0	0	388	0	improved agricultural grassland, conifer plantation and improved agricultural grassland; hunting - circling at 100m over grassland, Sitka, then southeast over grassland	KW
PE013	VP3	31/08/2021	13:32	Peregrine Falcon	1	7	2	2	3	0	improved agricultural grassland; hunting - nailed pigeon out of small flock flushed out of stubble, pigeon dropped/fell to ground, adult female	KW
PE014	VP3	31/08/2021	13:32	Peregrine Falcon	1	11	6	2	3	0	improved agricultural grassland; hunting - landed next to dead pigeon & sat next to pigeon for 10 mins, adult female below hill, juvenile	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
PE016	VP3	31/08/2021	13:46	Peregrine Falcon	1	15	13	2	0	0	improved agricultural grassland and treelines; circled field & landed in oak tree, female	KW
PE017	VP3	31/08/2021	14:17	Peregrine Falcon	1	11	11	0	0	0	improved agricultural grassland; flew west, female	KW
PE018	VP3	31/08/2021	14:34	Peregrine Falcon	1	22	22	0	0	0	improved agricultural grassland; flew west, juvenile	KW
PE019	VP1	03/09/2021	18:36	Peregrine Falcon	1	38	0	38	0	0	improved agricultural grassland; hunting - rapid flight - long glides, adult	KW
PE020	VP3	28/09/2021	15:26	Peregrine Falcon	1	73	0	0	73	0	improved agricultural grassland and improved agricultural grassland; hunting	KW
PE021	VP1	06/10/2021	12:09	Peregrine Falcon	1	26	0	0	24	0	conifer plantation and improved agricultural grassland; flying, 40m	KW
PE022	VP3	27/10/2021	13:25	Peregrine Falcon	1	346	0	0	346	0	improved agricultural grassland; hunting - cruising above grassland, hanging for periods	KW
PE023	VP2	15/12/2021	10:12	Peregrine Falcon	1	439	0	0	439	0	conifer plantation; flying - hanging on wind, mobbed & pursued upwards to 150m by 2 sparrowhawk for over 4 mins, departed northwest, juvenile	KW
PE024	VP2	15/12/2021	10:37	Peregrine Falcon	1	47	0	0	57	0	improved agricultural grassland; hunting - mobbed by 2 ravens dropped below hill, juvenile 1cy	KW
PE025	VP2	15/12/2021	10:41	Peregrine Falcon	1	454	0	46	408	0	improved agricultural grassland, conifer plantation and improved agricultural grassland; hunting - circled upwards to 150m then pursued east, northeast by 2 ravens dipping behind plantation, juvenile 1 cy	KW
PE027	VP2	15/12/2021	11:44	Peregrine Falcon	1	73	0	0	73	0	improved agricultural grassland; flying southwest, juvenile	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
PE028	VP1	17/12/2021	09:15	Peregrine Falcon	1	71	0	71	0	0	conifer plantation and improved agricultural grassland; hunting - gliding east, actively mobbed by sparrowhawk, juvenile	KW
PE029	VP1	17/12/2021	09:18	Peregrine Falcon	1	63	0	63	0	0	improved agricultural grassland and conifer plantation; hunting, circled grassland 100m flew southwest dropping to 60m	KW
PE030	VP1	17/12/2021	10:01	Peregrine Falcon	1	34	0	34	0	0	scrub; hunting, over scrub area pursued by sparrowhawk	KW
PE031	VP4	14/01/2022	16:56	Peregrine Falcon	1	21	0	0	21	0	improved agricultural grassland and conifer plantation; flying, juvenile 1cy flew northwest/west	KW
PE032	VP5	16/02/2022	12:04	Peregrine Falcon	1	14	0	14	0	0	improved agricultural grassland; flying	KW
PE033	VP3	23/02/2022	08:01	Peregrine Falcon	1	383	0	0	383	0	improved agricultural grassland, scrub and improved agricultural grassland; hunting	KW
PE034	VP3	23/02/2022	12:28	Peregrine Falcon	1	552	0	138	406	0	improved agricultural grassland, scrub and improved agricultural grassland; hunting, circled 70m up to 200m then descending glide towards the Loughnane	KW
PE035	VP5	22/03/2022	15:49	Peregrine Falcon	1	342	0	0	342	0	improved agricultural grassland and conifer plantation; hunting	KW
PE036	VP2	07/07/2022	14:58	Peregrine Falcon	1	5	5	0	0	0	improved agricultural grassland; flying, juvenile calling landed on stone wall	KW
PE037	VP2	07/07/2022	15:09	Peregrine Falcon	1	8	8	0	0	0	improved agricultural grassland, scrub and conifer plantation; flying, flew southwest over hill	KW
PE038	VP3	14/07/2022	14:09	Peregrine Falcon	2	107	0	0	107	0	improved agricultural grassland; flying, 2 juveniles, 1 small - calling	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
PE039	VP3	26/08/2022	10:52	Peregrine Falcon	1	90	25	45	20	0	mixed broadleaved/conifer woodland and improved agricultural grassland; hunting, peregrine hunting	TK
PE040	VP4	17/11/2025	12:07	Peregrine Falcon	1	40	0	0	20	20	improved grassland and hedgerows; soaring	AR
PE041	VP2	27/11/2025	10:46	Peregrine Falcon	1	140	20	100	20	0	improved grassland and conifer plantation; circling	AR
PE042	VP5	16/01/2026	13:17	Peregrine Falcon	2	60	0	0	60	0	improved grassland and hedgerows; soaring, two birds together	AR
PE043	VP3	30/01/2026	10:11	Peregrine Falcon	1	40	0	10	30	0	improved grassland, conifer plantation and hedgerows; flying	AR
PE044	VP2	24/02/2026	17:07	Peregrine Falcon	1	30	0	0	30	0	improved grassland, conifer plantation and hedgerows; flying, hunting	AR
PE045	VP3	28/03/2026	10:03	Peregrine Falcon	1	5	0	5	0	0	improved grassland and hedgerows; flying	AR
PE046	VP2	18/04/2026	18:41	Peregrine Falcon	1	15		15			conifer plantation and improved grassland; flying	AR
PE047	VP4	22/05/2026	11:47	Peregrine Falcon	1	20	0	0	20	0	improved grassland and hedgerows; flying	AR
PE048	VP1	24/05/2026	11:31	Peregrine Falcon	1	30	0	0	30	0	improved grassland and conifer plantation; soaring	AR
PE049	VP4	19/06/2026	09:09	Peregrine Falcon	1	10	0	0	10	0	improved grassland, hedgerows and conifer plantation; flying	AR
PE050	VP4	21/08/2026	14:31	Peregrine Falcon	1	11	0	0	11	0	improved agricultural grassland and hedgerows; flying	JCH

Table 7 - 4 - 15 Peregrine falcon winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
PE001	11/01/2026	10:26	T6	Peregrine Falcon	1	conifer plantation and improved grassland; flying, high over (wintering)	AR
PE002	15/03/2026	14:03	T8	Peregrine Falcon	1	improved grassland and hedgerows; flying, high over (wintering)	AR

Table 7 - 4 - 16 Peregrine falcon breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
PE001	24/04/2022	11:28	Not recorded	Peregrine Falcon	1	stone walls and other stonework and improved agricultural grassland; flying, flying southwest from castle ruin (suitable nesting habitat; possible breeder)	KW
PE002	14/05/2022	16:35	Not recorded	Peregrine Falcon	1	earth banks; perched, perched on top of castle - possible nest (suitable nesting habitat; possible breeder)	KW
PE004	21/04/2026	12:14	T4	Peregrine Falcon	1	improved grassland, hedgerows and conifer plantation; flying (flyover; non-breeding)	AR
PE006	27/06/2026	13:09	T4	Peregrine Falcon	1	improved grassland, hedgerows and conifer plantation; soaring (flyover; non-breeding)	AR
PE007	28/07/2026	07:31	T4	Peregrine Falcon	1	improved agricultural grassland and hedgerows; flying, hunting, stooping, calling, stooped into flock of rooks (suitable nesting habitat; possible breeder)	JCH

Table 7 - 4 - 17 Peregrine falcon breeding raptor survey data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
PE001	BR2	13/04/2021	16:00	Peregrine Falcon	1	stone walls and other stonework, perched on ruin, appears to be solitary male, no sign of female & no alarm call, flew off north	summering; non-breeding	KW
PE002	BR5	29/05/2021	17:21	Peregrine Falcon	1	buildings and artificial surfaces and improved agricultural grassland, flying / hunting, perched on top of castle male flew southeast then circled before flying west	summering; non-breeding	KW
PE003	BR2	16/06/2021	13:49	Peregrine Falcon	1	stone walls and other stonework and improved agricultural grassland, flying/hunting, male away	pair; probable breeding	KW
PE004	BR2	16/06/2021	14:31	Peregrine Falcon	1	improved agricultural grassland and stone walls and other stonework, flying/perched, male back	pair; probable breeding	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
PE005	BR2	16/06/2021	14:31	Peregrine Falcon	1	stone walls and other stonework and improved agricultural grassland, flying/hunting, female away	pair; probable breeding	KW
PE006	BR2	16/06/2021	14:41	Peregrine Falcon	1	improved agricultural grassland and stone walls and other stonework, flying/perched, female back	pair; probable breeding	KW
PE007	BR2	16/06/2021	14:52	Peregrine Falcon	1	stone walls and other stonework and improved agricultural grassland, flying/hunting, female away	pair; probable breeding	KW
PE021	BR2	23/04/2022	13:17	Peregrine Falcon	1	improved agricultural grassland, flying, hanging above castle ruin	suitable nesting habitat; possible breeder	KW
PE022	BR6	26/04/2022	16:22	Peregrine Falcon	1	improved agricultural grassland, flying, flying south high 200m	suitable nesting habitat; possible breeder	KW
PE023	BR2	03/06/2022	18:36	Peregrine Falcon	2	conifer plantation and improved agricultural grassland, hunting	pair; probable breeding	CB
PE024	BR2	03/06/2022	19:49	Peregrine Falcon	1	conifer plantation and improved agricultural grassland, travelling	suitable nesting habitat; possible breeder	CB
PE026	BR2a	27/04/2026	12:01	Peregrine Falcon	1	improved grassland and hedgerows, perched	suitable nesting habitat; possible breeder	AR
PE027	BR2a	27/04/2026	13:14	Peregrine Falcon	1	improved grassland and hedgerows, flying	suitable nesting habitat; possible breeder	AR
PE034	BR2	17/07/2026	15:49	Peregrine Falcon	2	improved agricultural grassland and hedgerows, soaring, adult pair.	pair; probable breeding	JCH

Table 7 - 4 - 18 Peregrine falcon incidental data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
PE001	Vantage Point Survey; Frankford	16/03/2021	12:11	Peregrine Falcon	1	improved agricultural grassland; hovering, seen after finishing survey	RT
PE002	Breeding Raptor Survey; Balleen Castle	29/04/2021	10:00	Peregrine Falcon	1	stone walls and other stonework; perched, solitary male perched on ruin, viewed passing in car on way to raptor vantage point, not breeding & not visible form raptor vantage point so unsure what tab to note on	KW

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
PE003	Breeding Walkover Survey; Balleen Castle	18/05/2021	13:45	Peregrine Falcon	1	stone walls and other stonework; perching on top of the castle ruin	KW
PE005	Breeding Raptor Survey; Balleen Castle	17/07/2021	12:58	Peregrine Falcon	3	stone walls and other stonework and improved agricultural grassland; female peregrine falcon back with dead pigeon/dove flew southeast over ruin with both fledgelings flying in pursuit	KW
PE006	Vantage Point Survey; Balleen Castle	06/10/2021	13:05	Peregrine Falcon	1	stone walls and other stonework; roosting, juvenile	KW
PE007	Waterfowl Distribution Survey; River Nore	15/11/2021	13:05	Peregrine Falcon	1	improved agricultural grassland; hunting golden plover	KW
PE008	Waterfowl Distribution Survey; Balief Castle	27/11/2021	10:45	Peregrine Falcon	1	stone walls and other stonework; feeding on castle wall	KW
PE009	Winter Walkover Survey; Balleen Castle	09/01/2022	16:35	Peregrine Falcon	1	stone walls and other stonework; roosting	KW
PE011	Breeding Woodcock Survey; Foyle North	30/06/2022	21:28	Peregrine Falcon	1	stone walls and other stonework, improved agricultural grassland and hedgerows; perched on old castle ruin	CB
PE012	Waterbird Distribution and Abundance Survey; Borrismore	12/10/2025	09:10	Peregrine Falcon	1	improved grassland and hedgerows; hunting	AR
PE013	Vantage Point Survey; VP5	17/10/2025	17:26	Peregrine Falcon	1	improved grassland and conifer plantation; soaring, behind viewshed	AR

1.9 Grey wagtail

Table 7 - 4 - 19 Grey wagtail breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
GL001	23/06/2021	17:00	Not recorded	Grey Wagtail	1	improved agricultural grassland; present, moved from non-target (suitable nesting habitat; possible breeder)	KW

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
GL002	29/07/2021	Not recorded	Not recorded	Grey Wagtail	1	improved grassland; present, t1 (flyover; non-breeding)	KW
GL003	20/04/2022	10:15	Not recorded	Grey Wagtail	1	improved agricultural grassland and eroding/upland rivers; alarm call, male (suitable nesting habitat; possible breeder)	KW
GL004	23/05/2022	Not recorded	Not recorded	Grey Wagtail	1	improved agricultural grassland; present, moved from non-target (suitable nesting habitat; possible breeder)	KW
GL005	16/06/2022	Not recorded	Not recorded	Grey Wagtail	1		KW

Table 7 - 4 - 20 Grey wagtail incidental data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GL001	Wildfowl Distribution Survey; River Nore	22/01/2021	12:45	Grey Wagtail	2	wet grassland, depositing/lowland rivers and buildings and artificial surfaces; flying around bridge over road	SD
GL002	Winter Walkover Survey; River Nore	09/03/2021	13:45	Grey Wagtail	1	depositing/lowland rivers; foraging in tributary at a bridge	SD
GL003	Wildfowl Distribution Survey; Freshford	19/05/2022	18:30	Grey Wagtail	1	depositing/lowland rivers; foraging	CB
GL004	Wildfowl Distribution Survey; River Nore	27/05/2022	18:15	Grey Wagtail	1	depositing/lowland rivers; foraging	CB
GL005	Breeding Woodcock Survey; WKT2	12/05/2026	20:42	Grey Wagtail	1	conifer plantation; flying, calling	JVD

1.11 Kestrel

Table 7 - 4 - 21 Kestrel vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.001	VP3	29/10/2020	15:57	Kestrel	1	20	0	20	0	0	improved agricultural grassland; hunting	SD
K.002	VP3	29/10/2020	16:22	Kestrel	1	52	2	5	45	0	improved agricultural grassland and conifer plantation; hunting	SD
K.003	VP1	30/10/2020	15:42	Kestrel	1	-	-	-	-	-	conifer plantation; audible from conifer plantation	SD
K.004	VP1	30/10/2020	16:06	Kestrel	1	5	5	0	0	0	conifer plantation; perched in conifer, files in a loop, perches again, flies down into trees	SD
K.005	VP3	03/11/2020	12:36	Kestrel	1	42	0	0	42	0	dry meadows and grassy verges; hunting	SD
K.006	VP3	03/11/2020	13:06	Kestrel	1	48	0	17	35	0	conifer plantation; hunting	SD
K.007	VP3	03/11/2020	13:45	Kestrel	1	150	10	102	38	0	improved agricultural grassland; hunting	SD
K.008	VP1	04/11/2020	13:34	Kestrel	1	138	138	0	0	0	conifer plantation; hunting and perching in tree	SD
K.009	VP1	04/11/2020	13:49	Kestrel	1	5	5	0	0	0	conifer plantation; flies down into plantation	SD
K.010	VP1	04/12/2020	12:09	Kestrel	1	25	20	5	0	0	improved agricultural grassland and conifer plantation; hunting	SD
K.011	VP3	08/12/2020	12:59	Kestrel	1	35	0	5	20	0	conifer plantation; chased around by raven	SD
K.012	VP3	08/12/2020	13:13	Kestrel	1	14	14	0	0	0	hedgerows and improved agricultural grassland; hunting, perches briefly on hedgerow	SD
K.013	VP2	15/12/2020	14:22	Kestrel	1	20	20	0	0	0	improved agricultural grassland and hedgerows; chased by hooded crow	SD

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.014	VP5	17/12/2020	12:47	Kestrel	1	114	28	22	64	0	improved agricultural grassland; hunting	SD
K.015	VP1	21/01/2021	08:35	Kestrel	1	7	7	0	0	0	improved agricultural grassland; flies up and almost lands on hawthorn but flushed by a passing car	SD
K.016	VP4	30/01/2021	09:47	Kestrel	1	707	0	0	707	0	improved agricultural grassland; hunting over field until out of site	SD
K.017	VP4	30/01/2021	10:12	Kestrel	1	17	0	0	17	0	improved agricultural grassland; hunting	SD
K.018	VP4	30/01/2021	11:26	Kestrel	1	322	0	10	312	0	improved agricultural grassland and conifer plantation; hunting over field then flies out of site to west	SD
K.019	VP4	30/01/2021	12:04	Kestrel	1	342	0	0	342	0	conifer plantation and improved agricultural grassland; foraging over plantation, hovering and drops behind treeline	SD
K.020	VP4	30/01/2021	12:36	Kestrel	1	815	0	0	815	0	improved agricultural grassland; trying to hunt but chased by ravens and alarm calls, female or immature bird	SD
K.021	VP4	30/01/2021	12:52	Kestrel	1	422	0	136	286	0	improved agricultural grassland and conifer plantation; still hunting over field, no successful catch observed, female or immature bird	SD
K.022	VP1	02/02/2021	12:49	Kestrel	1	347	0	0	347	0	improved agricultural grassland and treelines; hunting, male	SD
K.023	VP4	02/02/2021	12:55	Kestrel	1	20	0	20	0	0	improved agricultural grassland; hunting	SD
K.024	VP1	02/02/2021	13:52	Kestrel	1	139	0	85	54	0	improved agricultural grassland and built land; hovering, then flew into garden, male	SD
K.025	VP1	02/02/2021	15:34	Kestrel	1	529	201	251	77	0	improved agricultural grassland and dry meadows and grassy verges; hunting over roadside verge and fields	SD

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.026	VP1	02/02/2021	16:09	Kestrel	1	395	0	395	0	0	improved agricultural grassland and wet grassland; hunting until out of site, male	SD
K.027	VP1	03/02/2021	12:49	Kestrel	1	-	-	-	-	-	improved agricultural grassland; perched on telegraph pole preening, male	SD
K.028	VP1	03/02/2021	12:55	Kestrel	1	-	-	-	-	-	improved agricultural grassland; perched on telegraph wire, same male	SD
K.029	VP1	03/02/2021	13:28	Kestrel	1	-	-	-	-	-	buildings and artificial surfaces; perched on telegraph pole in garden	SD
K.030	VP2	09/02/2021	03:12	Kestrel	1	305	0	200	105	0	dry meadows and grassy verges; foraging, male	SD
K.031	VP2	09/02/2021	13:22	Kestrel	1	4	4	0	0	0	dry meadows and grassy verges and conifer plantation; flies along forestry edge	SD
K.032	VP2	09/02/2021	16:32	Kestrel	1	373	10	155	208	0	dry meadows and grassy verges and scrub; hunting, male	SD
K.033	VP2	09/02/2021	17:06	Kestrel	1	37	0	37	0	0	scrub; hovering	SD
K.034	VP1	16/03/2021	11:49	Kestrel	1	211	0	96	155	0	improved agricultural grassland; hunting, male	RT
K.035	VP1	09/04/2021	15:35	Kestrel	1	322	0	0	322	0	improved agricultural grassland; hunting, female	KW
K.036	VP1	09/04/2021	15:52	Kestrel	1	145	0	0	145	0	improved agricultural grassland; hunting, male	KW
K.037	VP5	10/04/2021	17:33	Kestrel	1	93	93	0	0	0	improved agricultural grassland; gliding - landed adjacent to farmyard	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.038	VP3	19/04/2021	17:05	Kestrel	1	144	0	144	0	0	conifer plantation and improved agricultural grassland; riding air currents - hanging, drifting - low over plantation glided se into ivy clad tree / possible ruin	KW
K.039	VP5	13/05/2021	21:03	Kestrel	1	95	0	0	95	0	improved agricultural grassland; hunting	TK
K.040	VP5	25/05/2021	10:07	Kestrel	1	263	22	241	0	0	improved agricultural grassland; hunting - dropping below hill	KW
K.041	VP5	25/05/2021	10:12	Kestrel	1	239	5	7	227	0	improved agricultural grassland; rose to 50m glided north hovered again & dived to the ground out of view	KW
K.042	VP5	25/05/2021	10:18	Kestrel	1	99	5	94	0	0	improved agricultural grassland; hunting the flew west	KW
K.043	VP2	27/05/2021	08:46	Kestrel	1	978	112	866	0	0	improved agricultural grassland; hunting - dropped below hill, male with only one tail feather	KW
K.044	VP2	27/05/2021	09:31	Kestrel	1	1411	10	1401	0	0	improved agricultural grassland; hunting - hovered at several locations 25-50m dropped to 10m then dived below hill	KW
K.045	VP2	27/05/2021	10:12	Kestrel	1	55	55	0	0	0	improved agricultural grassland; hunting - hovered & dropped below hill, same male with only one tail feather	KW
K.046	VP1	14/06/2021	20:01	Kestrel	1	14	14	0	0	0	improved agricultural grassland and treelines; flying - flew low 5m onto blackthorn, male	KW
K.047	VP1	14/06/2021	20:11	Kestrel	1	39	39	0	0	0	improved agricultural grassland and conifer plantation; flying - flew low 5m into or just over sitka, male	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.048	VP1	14/06/2021	20:19	Kestrel	1	25	0	25	0	0	improved agricultural grassland and treelines; flying - 5m landed on same blackthorn, female	KW
K.049	VP1	14/06/2021	20:20	Kestrel	1	37	0	37	0	0	improved agricultural grassland and conifer plantation; flying - flew north 5m similar to male into sitka plantation, female	KW
K.050	VP4	17/06/2021	14:51	Kestrel	1	346	51	118	177	0	improved agricultural grassland and conifer plantation; hunting at 40m flew northwest over sitka, female	KW
K.051	VP4	17/06/2021	16:55	Kestrel	1	641	0	19	622	0	improved agricultural grassland; hunting - gliding in strong breeze, dived out of view, male	KW
K.052	VP4	17/06/2021	19:29	Kestrel	1	164	0	0	164	0	improved agricultural grassland; hunting - hovered over grassland flew north	KW
K.053	VP4	17/06/2021	20:23	Kestrel	1	132	0	0	132	0	improved agricultural grassland; hunting, female lost in glare from setting sun	KW
K.054	VP1	30/06/2021	13:10	Kestrel	1	173	0	97	76	0	improved agricultural grassland; hunted along treeline circled grassland then southwest over plantation	KW
K.057	VP1	27/07/2021	11:41	Kestrel	2	342	0	0	342	0	mixed broadleaved woodland; hunting - hanging on breeze, juveniles	KW
K.058	VP1	27/07/2021	11:58	Kestrel	3	39	0	10	29	0	improved agricultural grassland; hunting - hovering/hanging on breeze, dropped below hill, juveniles & adult female	KW
K.059	VP1	27/07/2021	11:59	Kestrel	2	65	0	18	47	0	improved agricultural grassland; hunting - hovering/hanging on breeze, dropped below hill, juveniles	KW
K.060	VP1	27/07/2021	11:59	Kestrel	1	551	0	551	0	0	hedgerows; hunting - hovering/hanging on breeze, dropped below hill	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.061	VP1	27/07/2021	12:01	Kestrel	2	188	0	0	0	0	hedgerows; hunting - hovering/hanging on breeze, dropped below hill, juveniles	KW
K.062	VP1	27/07/2021	13:50	Kestrel	2	40	0	40	0	0	hedgerows; hunting above treeline	KW
K.063	VP1	27/07/2021	13:50	Kestrel	2	199	0	25	174	0	improved agricultural grassland; hunting east of farm road	KW
K.064	VP1	27/07/2021	13:51	Kestrel	2	78	0	78	0	0	hedgerows; hunting above treeline, juveniles	KW
K.065	VP1	27/07/2021	14:04	Kestrel	1	318	0	85	233	0	hedgerows; hunting above treeline, juvenile	KW
K.066	VP1	27/07/2021	14:45	Kestrel	2	53	0	53	0	0	hedgerows; hunting above treeline, juveniles	KW
K.067	VP1	27/07/2021	14:58	Kestrel	2	367	0	367	0	0	hedgerows; hunting above treeline, juveniles	KW
K.068	VP1	27/07/2021	15:43	Kestrel	2	167	0	167	0	0	hedgerows; hunting - hovering/hanging on breeze, dropped below hill, juveniles	KW
K.069	VP1	27/07/2021	16:48	Kestrel	1	309	0	241	68	0	hedgerows; hunting - hovering/hanging on breeze, dropped below hill, juvenile	KW
K.070	VP2	30/07/2021	12:11	Kestrel	2	305	0	305	0	0	improved agricultural grassland; hunting	KW
K.071	VP2	30/07/2021	12:12	Kestrel	1	123	0	123	0	0	improved agricultural grassland and conifer plantation; hunting	KW
K.072	VP2	30/07/2021	12:33	Kestrel	1	187	0	187	0	0	improved agricultural grassland; hunting	KW
K.073	VP1	18/08/2021	14:42	Kestrel	1	402	0	0	402	0	treelines and improved agricultural grassland; hunting - dropped below hill, female	KW
K.074	VP1	18/08/2021	14:51	Kestrel	1	169	0	0	169	0	improved agricultural grassland; hunting, female	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.075	VP5	19/08/2021	14:16	Kestrel	1	146	0	0	146	0	improved agricultural grassland and conifer plantation; hunting - circled over grassland glided north over plantation, female	KW
K.076	VP5	19/08/2021	16:42	Kestrel	1	73	3	70	0	0	improved agricultural grassland and hedgerows; hunting insects, beetles, grasshoppers, dropping from thorn bush to ground & back again, juvenile	KW
K.077	VP5	19/08/2021	16:43	Kestrel	1	18	18	0	0	0	improved agricultural grassland and hedgerows; flying, as per k002 notes	KW
K.078	VP5	19/08/2021	16:48	Kestrel	1	3	3	0	0	0	hedgerows and improved agricultural grassland; flew east behind hedge out of view	KW
K.079	VP4	25/08/2021	13:38	Kestrel	1	89	0	89	0	0	treelines and improved agricultural grassland; hunting - hovering at plantation edge flew east/southeast, male	KW
K.080	VP4	25/08/2021	15:18	Kestrel	1	45	0	0	45	0	conifer plantation; hunting - gliding just above sitka tops, male	KW
K.081	VP4	25/08/2021	15:22	Kestrel	1	33	0	0	33	0	conifer plantation; hunting - circled & glided west over sitka, male	KW
K.082	VP4	25/08/2021	15:22	Kestrel	1	81	0	0	81	0	conifer plantation; hunting - glided west, circled back east & dived, juvenile	KW
K.083	VP4	25/08/2021	15:43	Kestrel	1	27	0	27	0	0	immature woodland; hunting - dived behind sitka, juvenile	KW
K.084	VP4	25/08/2021	15:52	Kestrel	1	314	0	0	314	0	improved agricultural grassland and conifer plantation; hunting - hovering 30m, flew to sitka	KW
K.085	VP4	25/08/2021	16:03	Kestrel	1	19	0	19	0	0	conifer plantation; flying southeast through sitka	KW
K.086	VP4	25/08/2021	16:27	Kestrel	1	74	0	0	74	0	immature woodland; hunting, male	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.087	VP2	30/08/2021	12:18	Kestrel	2	104	0	104	0	0	improved agricultural grassland and conifer plantation; glided north over plantation to hunt, adult and juvenile	KW
K.088	VP2	30/08/2021	12:30	Kestrel	1	95	88	7	0	0	improved agricultural grassland and stone walls and other stonework; hunting insects dropped below / behind stone wall, juvenile	KW
K.089	VP2	30/08/2021	12:44	Kestrel	1	115	3	112	0	0	improved agricultural grassland; hunting, dropped under hill, juvenile	KW
K.090	VP2	30/08/2021	12:51	Kestrel	1	47	8	14	25	0	improved agricultural grassland; hunting - glided east hovered, dipped below hill, adult	KW
K.091	VP2	30/08/2021	12:55	Kestrel	1	86	12	74	0	0	improved agricultural grassland and stone walls and other stonework; hunting - dropped behind stone wall, juvenile	KW
K.092	VP2	30/08/2021	13:02	Kestrel	1	125	28	21	76	0	improved agricultural grassland and stone walls and other stonework; hunting, as per previous note	KW
K.093	VP2	30/08/2021	13:19	Kestrel	1	17	17	0	0	0	improved agricultural grassland; hunting under hill southeast direction	KW
K.094	VP2	30/08/2021	13:24	Kestrel	2	316	7	19	290	0	improved agricultural grassland and conifer plantation; soared above grassland 60m then glided north into plantation	KW
K.095	VP2	30/08/2021	13:36	Kestrel	1	48	48	0	0	0	improved agricultural grassland; hunting - south 10m gliding, hovered then dropped below hill, juvenile	KW
K.096	VP2	30/08/2021	13:48	Kestrel	1	184	184	0	0	0	improved agricultural grassland; hunting grasshoppers, juvenile	KW
K.097	VP2	30/08/2021	13:53	Kestrel	1	133	133	0	0	0	improved agricultural grassland; hunting, juvenile	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.098	VP2	30/08/2021	13:59	Kestrel	1	189	189	0	0	0	improved agricultural grassland; hunting, juvenile	KW
K.099	VP2	30/08/2021	14:02	Kestrel	1	358	242	15	131	0	improved agricultural grassland and conifer plantation; hunting - soared to 100m glided north into plantation	KW
K.100	VP2	30/08/2021	14:19	Kestrel	2	258	258	0	0	0	improved agricultural grassland; hunting - south hovering over south of hill, adult and juvenile	KW
K.101	VP2	30/08/2021	14:23	Kestrel	2	38	38	0	0	0	improved agricultural grassland; hunting - gliding, hovering west	KW
K.102	VP2	30/08/2021	14:27	Kestrel	1	243	0	243	0	0	improved agricultural grassland and conifer plantation; hunting - southernmost part of hill along edge of plantation, west out of view	KW
K.103	VP2	30/08/2021	14:32	Kestrel	1	187	1	5	181	0	improved agricultural grassland; hunting - flew west over hill	KW
K.104	VP2	30/08/2021	14:36	Kestrel	2	104	104	0	0	0	improved agricultural grassland; hunting - flew west over hill	KW
K.105	VP2	30/08/2021	15:40	Kestrel	1	697	0	325	372	0	improved agricultural grassland and conifer plantation; hunting - mobbed by ravens flew north into sitka	KW
K.106	VP2	30/08/2021	16:07	Kestrel	1	471	4	467	0	0	improved agricultural grassland; hunting, juvenile	KW
K.107	VP2	30/08/2021	16:34	Kestrel	1	151	0	20	131	0	improved agricultural grassland; hunting - hovering 50m flew northwest, juvenile	KW
K.108	VP3	31/08/2021	10:55	Kestrel	1	118	0	118	0	0	improved agricultural grassland; flying, juvenile north over plantation	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.109	VP5	02/09/2021	16:24	Kestrel	1	7	7	0	0	0	conifer plantation, improved agricultural grassland and conifer plantation; alarm call, landed on hedgerow, adult male	KW
K.110	VP5	02/09/2021	16:27	Kestrel	1	28	28	0	0	0	improved agricultural grassland and treelines; flew southeast behind treeline	KW
K.111	VP4	27/09/2021	14:11	Kestrel	1	167	0	167	0	0	improved agricultural grassland; hunting, male	KW
K.112	VP3	28/09/2021	14:57	Kestrel	1	39	0	39	0	0	improved agricultural grassland; flying - mobbed by hooded crow	KW
K.113	VP3	28/09/2021	17:40	Kestrel	1	137	0	0	137	0	improved agricultural grassland; hunting 15-20m landed on branch	KW
K.114	VP2	29/09/2021	15:09	Kestrel	1	6	0	6	0	0	improved agricultural grassland; flying - dropped under hill	KW
K.115	VP1	06/10/2021	13:12	Kestrel	1	124	0	0	124	0	improved agricultural grassland; hunting, 35m	KW
K.116	VP5	21/10/2021	08:17	Kestrel	1	4	4	0	0	0	improved agricultural grassland; flew to & perched on hawthorn, juvenile	KW
K.117	VP5	21/10/2021	08:26	Kestrel	1	5	5	0	0	0	hedgerows and improved agricultural grassland; flying, juvenile south under hill	KW
K.118	VP5	21/10/2021	09:31	Kestrel	1	2	2	0	0	0	improved agricultural grassland and hedgerows; flying - landed on hawthorn bush, adult female	KW
K.119	VP5	21/10/2021	09:34	Kestrel	1	21	21	0	0	0	hedgerows and improved agricultural grassland; hunting - hovering dropped behind hedgerow female obscured view at times due to trees/ hedgerow, hovering 20m, adult female	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.120	VP5	21/10/2021	09:53	Kestrel	1	89	0	89	0	0	improved agricultural grassland; hunting, adult female obscured view at times due to trees/ hedgerow, hovering 20m	KW
K.121	VP2	24/10/2021	10:12	Kestrel	1	34	34	0	0	0	improved agricultural grassland; hunting, landed on hawthorn, female	KW
K.122	VP2	24/10/2021	11:14	Kestrel	1	7	7	0	0	0	improved agricultural grassland; hunting - flew to another thorn bush, female	KW
K.123	VP2	24/10/2021	11:18	Kestrel	1	43	14	29	0	0	improved agricultural grassland; hunting - mobbed by hooded crow	KW
K.124	VP2	24/10/2021	12:46	Kestrel	1	25	0	0	0	0	improved agricultural grassland; hunting, juvenile under hill	KW
K.125	VP3	27/10/2021	13:09	Kestrel	1	224	0	224	0	0	improved agricultural grassland; hunting, female	KW
K.126	VP1	02/11/2021	12:32	Kestrel	1	103	12	91	0	0	improved agricultural grassland; hunting, ad male	KW
K.127	VP1	02/11/2021	13:54	Kestrel	1	143	0	0	143	0	improved agricultural grassland; hunting, juvenile 1 cy	KW
K.128	VP5	03/11/2021	12:22	Kestrel	1	94	0	0	0	0	improved agricultural grassland; hunting, adult	KW
K.129	VP5	03/11/2021	13:55	Kestrel	1	34	57	0	0	0	improved agricultural grassland; hunting, juvenile 1 cy	KW
K.130	VP5	03/11/2021	15:50	Kestrel	1	6	6	6	191	0	improved agricultural grassland; flying, juvenile 1 cy	KW
K.131	VP5	03/11/2021	15:52	Kestrel	1	7	7	0	0	0	improved agricultural grassland; flying, juvenile 1 cy	KW
K.132	VP5	03/11/2021	16:09	Kestrel	1	12	12	0	0	0	improved agricultural grassland; flying, juvenile 1 cy	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.133	VP4	16/11/2021	12:01	Kestrel	1	49	12	0	37	0	improved agricultural grassland and conifer plantation; flying - harassed by hooded crow	KW
K.134	VP3	18/11/2021	13:31	Kestrel	1	84	0	84	0	0	improved agricultural grassland and conifer plantation; hunting	KW
K.135	VP3	18/11/2021	13:41	Kestrel	1	210	0	124	86	0	conifer plantation, improved agricultural grassland and treelines; hunting	KW
K.136	VP3	18/11/2021	16:22	Kestrel	1	151	24	49	88	0	improved agricultural grassland; hunting	KW
K.137	VP3	18/11/2021	16:39	Kestrel	1	133	0	133	0	0	improved agricultural grassland; hunting	KW
K.138	VP5	13/01/2022	11:31	Kestrel	1	4	4	0	0	0	treelines; flying, female into treeline	KW
K.139	VP5	13/01/2022	11:38	Kestrel	1	3	3	0	0	0	treelines and improved agricultural grassland; flying, behind treeline possibly onto ground	KW
K.140	VP4	14/01/2022	16:14	Kestrel	1	158	0	158	0	0	improved agricultural grassland and conifer plantation; hunting, female	KW
K.141	VP1	15/02/2022	11:22	Kestrel	1	134	0	0	134	0	improved agricultural grassland; hunting	KW
K.142	VP3	23/02/2022	09:22	Kestrel	1	54	0	13	41	0	scrub and improved agricultural grassland; flying, male	KW
K.144	VP5	22/03/2022	13:29	Kestrel	1	24	24	0	0	0	improved agricultural grassland; flying, female flew & landed in treeline	KW
K.145	VP5	22/03/2022	13:29	Kestrel	1	6	6	0	0	0	improved agricultural grassland; flying, male flew below hill	KW
K.146	VP5	22/03/2022	13:49	Kestrel	1	109	0	109	0	0	improved agricultural grassland; flying, hunting	KW
K.147	VP5	22/03/2022	13:50	Kestrel	1	16	16	0	0	0	improved agricultural grassland; flying, female onto hedgerow	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.148	VP5	22/03/2022	13:50	Kestrel	1	28	28	0	0	0	improved agricultural grassland; flying, juvenile swoop at female	KW
K.149	VP5	22/03/2022	13:56	Kestrel	1	64	0	64	0	0	improved agricultural grassland; flying, landed in hedgerow	KW
K.150	VP5	22/03/2022	14:03	Kestrel	1	101	0	101	0	0	improved agricultural grassland; flying, glided south into treeline adjacent to farmyard	KW
K.151	VP5	22/03/2022	14:47	Kestrel	1	16	0	16	0	0	improved agricultural grassland; flying, female into ivy clad tree	KW
K.152	VP5	22/03/2022	14:54	Kestrel	1	473	0	4	469	0	improved agricultural grassland; hunting, female hovering, glided east	KW
K.153	VP5	22/03/2022	15:11	Kestrel	1	617	0	159	458	0	improved agricultural grassland and treelines; hunting, into line of conifers	KW
K.154	VP5	22/03/2022	16:00	Kestrel	1	39	0	5	34	0	improved agricultural grassland; flying	KW
K.155	VP5	22/03/2022	16:57	Kestrel	1	189	0	87	102	0	improved agricultural grassland; hunting, female	KW
K.156	VP5	22/03/2022	16:58	Kestrel	1	18	0	0	18	0	improved agricultural grassland; hunting, male	KW
K.157	VP5	22/03/2022	17:54	Kestrel	1	582	0	582	0	0	improved agricultural grassland and conifer plantation; hunting, female	KW
K.158	VP2	26/03/2022	13:17	Kestrel	1	529	0	493	76	0	improved agricultural grassland and conifer plantation; hunting, female	KW
K.159	VP2	26/03/2022	14:05	Kestrel	1	398	0	73	325	0	improved agricultural grassland; hunting, male,	KW
K.160	VP2	26/03/2022	14:33	Kestrel	1	384	0	256	132	0	improved agricultural grassland; hunting, joined bz001 gliding east	KW
K.161	VP2	26/03/2022	15:21	Kestrel	1	461	0	108	353	0	improved agricultural grassland; hunting, hanging on breeze	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.162	VP2	26/03/2022	15:26	Kestrel	1	76	0	0	76	0	improved agricultural grassland; flying, male to treeline	KW
K.163	VP2	26/03/2022	16:01	Kestrel	1	963	0	548	425	0	improved agricultural grassland; hunting	KW
K.164	VP1	15/04/2022	07:11	Kestrel	1	235	0	70	165	0	conifer plantation and improved agricultural grassland; hunting/hovering, kestrel hunting/hovering	TK
K.165	VP4	15/04/2022	11:26	Kestrel	1	175	0	35	140	0	conifer plantation and improved agricultural grassland; hunting/hovering, kestrel hunting/hovering	TK
K.166	VP2	16/04/2022	06:55	Kestrel	1	318	0	78	240	0	improved agricultural grassland and conifer plantation; hunting, kestrel hunting/hovering	TK
K.167	VP1	07/05/2022	18:51	Kestrel	1	215	0	40	175	0	improved agricultural grassland, mixed broadleaved/conifer woodland and conifer plantation; hunting, kestrel hunting/hovering	TK
K.168	VP2	08/05/2022	20:46	Kestrel	1	285	0	70	215	0	improved agricultural grassland, scrub and conifer plantation; hunting, kestrel hunting/hovering	TK
K.169	VP5	13/05/2022	21:03	Kestrel	1	95	0	0	95	0	improved agricultural grassland; hunting, kestrel hunting/hovering	TK
K.170	VP5	04/07/2022	10:31	Kestrel	1	31	0	31	0	0	improved agricultural grassland; hunting, male	KW
K.171	VP5	04/07/2022	10:32	Kestrel	1	17	17	0	0	0	improved agricultural grassland and conifer plantation; flying, female	KW
K.172	VP5	04/07/2022	11:45	Kestrel	1	13	13	0	0	0	improved agricultural grassland and conifer plantation; flying, different female (paler) -2cy	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.173	VP5	04/07/2022	15:13	Kestrel	1	79	0	79	0	0	improved agricultural grassland and conifer plantation; flying, 2 females landed briefly in sitka before flying west/southwest behind plantation - as per below flightlines	KW
K.174	VP5	04/07/2022	15:13	Kestrel	1	89	0	89	0	0	improved agricultural grassland and conifer plantation; flying, 1 female appears to be chasing off second female	KW
K.175	VP5	04/07/2022	15:16	Kestrel	1	8	0	8	0	0	improved agricultural grassland; flying, adult	KW
K.176	VP5	04/07/2022	15:17	Kestrel	1	7	0	7	0	0	improved agricultural grassland; flying, hovering - male	KW
K.177	VP1	05/07/2022	15:48	Kestrel	1	34	1	33	0	0	improved agricultural grassland; hunting, male	KW
K.178	VP1	05/07/2022	16:21	Kestrel	1	708	0	708	0	0	improved agricultural grassland and scrub; hunting, darker female	KW
K.179	VP1	05/07/2022	17:09	Kestrel	1	74	0	74	0	0	improved agricultural grassland and scrub; hunting, male	KW
K.180	VP1	05/07/2022	17:19	Kestrel	1	741	0	741	0	0	scrub; hunting, male	KW
K.181	VP4	06/07/2022	11:14	Kestrel	1	281	0	281	0	0	improved agricultural grassland; hunting, female	KW
K.182	VP2	07/07/2022	13:54	Kestrel	1	32	32	0	0	0	improved agricultural grassland; flying, female, hovered briefly	KW
K.183	VP2	07/07/2022	16:23	Kestrel	1	101	8	21	72	0	improved agricultural grassland; flying, female	KW
K.184	VP3	14/07/2022	11:33	Kestrel	1	108	0	108	0	0	scrub; hunting, male hunting	KW
K.185	VP3	14/07/2022	12:01	Kestrel	1	226	3	2	221	0	scrub and improved agricultural grassland; hunting, male, dived from view	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.186	VP3	14/07/2022	12:11	Kestrel	1	199	0	199	0	0	scrub; hunting, female	KW
K.187	VP3	14/07/2022	12:14	Kestrel	1	12	0	12	0	0	immature woodland; flying, male perched with female on sitka	KW
K.188	VP3	14/07/2022	12:28	Kestrel	1	128	0	128	0	0	scrub and conifer plantation; hunting, male	KW
K.189	VP3	14/07/2022	12:34	Kestrel	1	6	0	6	0	0	conifer plantation; flying, female chasing sparrowhawk male	KW
K.190	VP3	14/07/2022	12:38	Kestrel	1	311	0	311	0	0	immature woodland; hunting, female	KW
K.191	VP3	14/07/2022	15:57	Kestrel	1	1039	1039	0	0	0	immature woodland; hunting, female	KW
K.192	VP1	01/08/2022	11:16	Kestrel	1	155	0	25	130	0	improved agricultural grassland and conifer plantation; hunting, kestrel hunting	TK
K.193	VP1	01/08/2022	11:45	Kestrel	1	215	25	30	160	0	improved agricultural grassland and conifer plantation; hunting, kestrel hunting	TK
K.194	VP3	13/08/2022	11:21	Kestrel	1	115	0	10	105	0	improved agricultural grassland and hedgerows; hunting, kestrel hunting	TK
K.195	VP4	15/08/2022	09:26	Kestrel	1	210	0	40	170	0	improved agricultural grassland; hunting, kestrel hunting	TK
K.196	VP3	18/08/2022	14:41	Kestrel	1	90	0	15	75	0	improved agricultural grassland and mixed broadleaved/conifer woodland; hunting, kestrel hunting	TK
K.197	VP2	19/08/2022	10:12	Kestrel	1	210	0	90	120	0	improved agricultural grassland and scrub; hunting, kestrel hunting	TK
K.198	VP4	20/08/2022	15:42	Kestrel	1	195	0	0	195	0	conifer plantation and improved agricultural grassland; hunting, kestrel hunting	TK
K.199	VP1	25/08/2022	09:56	Kestrel	1	-	-	-	-	-	conifer plantation; perched on tree in forestry, kestrel perched on tree in forestry	TK

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.200	VP1	25/08/2022	10:11	Kestrel	1	245	0	0	245	0	improved agricultural grassland; hunting, kestrel hunting	TK
K.201	VP1	25/08/2022	14:12	Kestrel	1	140	0	30	110	0	improved agricultural grassland and conifer plantation; hunting, kestrel hunting	TK
K.202	VP3	26/08/2022	15:13	Kestrel	1	225	0	30	195	0	improved agricultural grassland and scrub; hunting, kestrel hunting	TK
K.203	VP5	27/08/2022	12:20	Kestrel	1	115	10	20	85	0	improved agricultural grassland; hunting, kestrel hunting	TK
K.204	VP2	01/09/2022	10:42	Kestrel	1	95	0	20	75	0	improved agricultural grassland and conifer plantation; hunting, kestrel hunting	TK
K.205	VP2	01/09/2022	11:18	Kestrel	2	120	0	0	120	0	improved agricultural grassland and conifer plantation; hunting, kestrel hunting	TK
K.206	VP2	01/09/2022	13:27	Kestrel	1	175	0	65	110	0	improved agricultural grassland and conifer plantation; hunting, kestrel hunting	TK
K.207	VP1	02/09/2022	13:48	Kestrel	2	75	0	20	55	0	improved agricultural grassland and conifer plantation; hunting, kestrel hunting	TK
K.208	VP1	22/09/2022	15:19	Kestrel	1	109	0	109	0	0	improved agricultural grassland and scrub; hunting, adult female	KW
K.209	VP1	22/09/2022	15:19	Kestrel	1	83	0	0	83	0	improved agricultural grassland; flying	KW
K.210	VP1	22/09/2022	15:34	Kestrel	1	55	0	0	55	0	scrub, conifer plantation and improved agricultural grassland; hunting	KW
K.211	VP1	22/09/2022	15:51	Kestrel	1	271	0	64	207	0	scrub; hunting, adult female	KW
K.212	VP1	22/09/2022	16:04	Kestrel	1	59	0	8	51	0	improved agricultural grassland; hunting, adult female	KW
K.213	VP1	22/09/2022	16:16	Kestrel	1	14	14	0	0	0	improved agricultural grassland; flying, adult female	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.214	VP1	22/09/2022	16:19	Kestrel	1	51	0	44	7	0	improved agricultural grassland; flying	KW
K.215	VP5	17/10/2025	13:15	Kestrel	1	20	20	0	0	0	improved grassland and hedgerows; hunting, landing, male	AR
K.216	VP5	17/10/2025	13:25	Kestrel	1	10	10	0	0	0	improved grassland and hedgerows; flying	AR
K.217	VP5	17/10/2025	13:52	Kestrel	1	60	0	60	0	0	improved grassland; hunting, female	AR
K.218	VP4	18/10/2025	14:15	Kestrel	1	5	5	0	0	0	improved grassland and mixed broadleaved woodland; flying, landing, female	AR
K.219	VP2	29/10/2025	13:06	Kestrel	1	80	0	20	60	0	improved grassland and conifer plantation; hunting	AR
K.220	VP2	29/10/2025	13:32	Kestrel	1	30	0	30	0	0	improved grassland; hunting	AR
K.221	VP2	29/10/2025	14:09	Kestrel	1	120	20	60	40	0	improved grassland and conifer plantation; hunting	AR
K.222	VP2	29/10/2025	14:17	Kestrel	1	160		100	60	0	improved grassland; hunting, female	AR
K.223	VP2	29/10/2025	15:26	Kestrel	1	10	0	10	0	0	improved grassland and conifer plantation; flying	AR
K.224	VP5	15/11/2025	11:39	Kestrel	1	5	0	5			improved grassland and hedgerows; flying	AR
K.225	VP4	17/11/2025	13:03	Kestrel	1	60		20	40	0	improved grassland and hedgerows; hunting	AR
K.226	VP4	06/12/2025	13:09	Kestrel	1	10	0	10	0	0	improved grassland; flying	AR
K.227	VP2	30/12/2025	11:19	Kestrel	1	10	0	10	0	0	improved grassland; flying	AR
K.228	VP4	14/01/2026	11:38	Kestrel	1	40	10	30	0	0	improved grassland and hedgerows; hunting, female	AR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.229	VP2	15/01/2026	11:27	Kestrel	1	5	5	0	0	0	improved grassland, hedgerows and conifer plantation; flying, landing	AR
K.230	VP2	24/02/2026	13:22	Kestrel	1	120	0	20	100	0	improved grassland and conifer plantation; hunting	AR
K.231	VP2	24/02/2026	14:27	Kestrel	1	30	0	30	0	0	improved grassland; hunting	AR
K.232	VP2	24/02/2026	16:07	Kestrel	1	40	10	20	10	0	improved grassland and hedgerows; hunting, female	AR
K.233	VP2	24/02/2026	18:11	Kestrel	1	30	0	30	0	0	improved grassland; hunting	AR
K.234	VP2	14/03/2026	10:21	Kestrel	1	10	0	10	0	0	conifer plantation and improved grassland; flying	AR
K.235	VP2	14/03/2026	12:14	Kestrel	1	10	10	0	0	0	improved grassland and hedgerows; hunting	AR
K.236	VP1	25/03/2026	11:13	Kestrel	1	20	5	15	0	0	improved grassland and hedgerows; hunting, female	AR
K.237	VP5	26/03/2026	10:38	Kestrel	1	120	10	20	90	0	improved grassland and hedgerows; hunting, male	AR
K.238	VP4	27/03/2026	09:21	Kestrel	1	60	0	60	0	0	improved grassland and hedgerows; hunting, female	AR
K.239	VP4	26/04/2026	16:22	Kestrel	1	60	10	30	20		conifer plantation and improved grassland; hunting	AR
K.240	VP4	22/05/2026	09:31	Kestrel	1	30	0	30	0	0	improved grassland; hunting, male	AR
K.241	VP4	22/05/2026	11:06	Kestrel	1	20	0	20	0	0	improved grassland and hedgerows; hunting, male	AR
K.242	VP5	23/05/2026	16:59	Kestrel	1	10	0	10	0	0	improved grassland and hedgerows; flying, male	AR
K.243	VP1	24/05/2026	10:56	Kestrel	1	120	0	50	70	0	conifer plantation, improved grassland and hedgerows; circling, female	AR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.244	VP1	24/05/2026	11:13	Kestrel	1	30	0	30	0	0	improved grassland and hedgerows; hunting, male	AR
K.245	VP1	24/05/2026	11:49	Kestrel	1	60	20	40	0	0	improved grassland and hedgerows; hunting, male	AR
K.246	VP2	25/05/2026	08:30	Kestrel	1	10	0	10	0	0	improved grassland and hedgerows; hunting	AR
K.247	VP2	25/05/2026	11:28	Kestrel	1	30	10	20	0	0	improved grassland and hedgerows; hunting/landed, female	AR
K.248	VP1	11/06/2026	10:01	Kestrel	1	5	0	5	0	0	improved grassland and hedgerows; fly/land	AR
K.249	VP1	11/06/2026	12:07	Kestrel	1	30	0	10	20	0	improved grassland; hunting, male	AR
K.250	VP2	14/06/2026	15:03	Kestrel	1	20	10	10	0	0	improved grassland; hunting, male	AR
K.251	VP2	14/06/2026	19:21	Kestrel	1	120	0	120	0	0	improved grassland; hunting, male	AR
K.252	VP2	14/06/2026	20:06	Kestrel	1	30	0	30	0	0	improved grassland; hunting, male	AR
K.253	VP4	19/06/2026	10:36	Kestrel	1	60	0	30	30	0	improved grassland and hedgerows; hunting	AR
K.254	VP1	01/07/2026	13:56	Kestrel	1	226	26	150	50	0	improved agricultural grassland and hedgerows; hovering, hunting, perching, mobbed, perched on telegraph pole briefly. mobbed by hooded crows	JCH
K.255	VP1	01/07/2026	14:56	Kestrel	1	47	0	7	40	0	conifer plantation and improved agricultural grassland; flying, male	JCH
K.256	VP2	06/08/2026	15:28	Kestrel	1	17	17	0	0	0	dry calcareous and neutral grassland; flying, perching, juvenile, briefly perched on tree before dropping out of view	JCH

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
K.257	VP5	13/08/2026	19:07	Kestrel	1	198	198	0	0	0	improved agricultural grassland and hedgerows; flying, perching, perched on tree for three minutes at end of flight.	JCH
K.258	VP2	20/08/2026	14:26	Kestrel	1	810	810	0	0	0	dry calcareous and neutral grassland, hedgerows and scattered tress and parkland; flying, perching, perched on 6 separate hawthorn trees. moving from tree to tree. female.	JCH
K.259	VP2	20/08/2026	15:45	Kestrel	2	188	0	88	100	0	dry calcareous and neutral grassland and scattered tress and parkland; flying, hovering, hunting, one male, one female.	JCH
K.260	VP4	21/08/2026	15:20	Kestrel	1	57	0	37	20	0	improved agricultural grassland and hedgerows; flying, hovering, hunting, male	JCH
K.261	VP5	24/08/2026	11:54	Kestrel	1	186	150	6	30	0	improved agricultural grassland and hedgerows; flying, perching, perched on telegraph pole for 2.5 minutes at end of flight.	JCH
K.262	VP5	24/08/2026	13:18	Kestrel	2	119	70	30	19	0	improved agricultural grassland and conifer plantation; hovering, hunting	JCH

Table 7 - 4 - 22 Kestrel winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
K.001	13/01/2021	15:11	Not recorded	Kestrel	1	improved agricultural grassland; hunting in field, hovering in the wind (wintering)	SD
K.003	18/03/2021	14:00	Not recorded	Kestrel	1	improved agricultural grassland; hunting, male ()	SD
K.004	18/03/2021	16:45	Not recorded	Kestrel	1	improved agricultural grassland and scrub; foraging ()	SD
K.005	18/03/2021	18:56	Not recorded	Kestrel	1	dry meadows and grassy verges and improved agricultural grassland; hunting over roadside verge and fields just before dark ()	SD

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
K.006	19/03/2021	13:50	Not recorded	Kestrel	2	scrub and improved agricultural grassland; foraging, male and female ()	SD
K.007	18/10/2021	15:49	Not recorded	Kestrel	1	improved agricultural grassland; hunting ()	KW
K.008	19/12/2021	09:38	Not recorded	Kestrel	1	scrub and conifer plantation; flying ()	KW
K.009	23/02/2022	14:55	Not recorded	Kestrel	1	improved agricultural grassland; hunting, male ()	KW
K.010	16/10/2025	13:19	T5	Kestrel	1	improved grassland and conifer plantation; perching, flying, female (wintering)	AR
K.011	16/10/2025	15:07	T8	Kestrel	1	improved grassland and conifer plantation; perching, flying, female (wintering)	AR
K.012	23/12/2025	08:40	T1	Kestrel	1	improved grassland and hedgerows; hunting, female (wintering)	AR
K.013	24/12/2025	14:03	T5	Kestrel	1	improved grassland; hunting, male (wintering)	AR
K.014	15/03/2026	14:13	T8	Kestrel	1	improved grassland and hedgerows; hunting, male (wintering)	AR

Table 7 - 4 - 23 Kestrel breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
K.001	26/04/2021	12:09	Not recorded	Kestrel	1	improved agricultural grassland; hunting, hovering (flyover; non-breeding)	KW
K.002	26/04/2021	13:20	Not recorded	Kestrel	1	improved agricultural grassland; soaring, circling grassland (suitable nesting habitat; possible breeder)	KW
K.004	27/04/2021	10:53	Not recorded	Kestrel	1	conifer plantation and improved agricultural grassland; hunting, hunting-hovering at several points (suitable nesting habitat; possible breeder)	KW
K.005	27/04/2021	11:02	Not recorded	Kestrel	1	conifer plantation; hunting, hunted & dived to glen (suitable nesting habitat; possible breeder)	KW

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
K.006	17/05/2021	14:23	Not recorded	Kestrel	1	improved agricultural grassland; hunting, T4 (flyover; non-breeding)	KW
K.008	19/06/2021	10:49	Not recorded	Kestrel	1	scrub; hunting, male (suitable nesting habitat; possible breeder)	KW
K.009	19/06/2021	15:07	Not recorded	Kestrel	1	improved agricultural grassland; hunting, male (suitable nesting habitat; possible breeder)	KW
K.010	23/06/2021	14:00	Not recorded	Kestrel	1	improved agricultural grassland; hunting, k001 - male (suitable nesting habitat; possible breeder)	KW
K.011	23/06/2021	15:49	Not recorded	Kestrel	1	improved agricultural grassland; hunting, k002 - male (suitable nesting habitat; possible breeder)	KW
K.012	25/06/2021	17:58	Not recorded	Kestrel	1	improved agricultural grassland; hunting, k001 - male (suitable nesting habitat; possible breeder)	KW
K.013	17/07/2021	13:48	Not recorded	Kestrel	1	improved agricultural grassland; hunting, female (suitable nesting habitat; possible breeder)	KW
K.015	30/07/2021	11:14	Not recorded	Kestrel	1	improved agricultural grassland; perched/flying, male perched on telegraph pole flew east (suitable nesting habitat; possible breeder)	KW
K.017	20/04/2022	10:45	Not recorded	Kestrel	1	improved agricultural grassland and treelines; perched, female flew from telegraph pole to treeline (suitable nesting habitat; possible breeder)	KW
K.018	22/04/2022	17:50	Not recorded	Kestrel	1	improved agricultural grassland and conifer plantation; hunting, male (suitable nesting habitat; possible breeder)	KW
K.019	22/04/2022	18:27	Not recorded	Kestrel	1	improved agricultural grassland; flying, female (suitable nesting habitat; possible breeder)	KW
K.020	24/04/2022	14:18	Not recorded	Kestrel	1	improved agricultural grassland; hunting, male, hovering over hillside (suitable nesting habitat; possible breeder)	KW
K.021	26/04/2022	19:23	Not recorded	Kestrel	1	immature woodland and improved agricultural grassland; hunting, male - edge of plantation, hovering (suitable nesting habitat; possible breeder)	KW
K.022	21/05/2022	11:13	Not recorded	Kestrel	1	improved agricultural grassland and conifer plantation; flying, male - flew over plantation (suitable nesting habitat; possible breeder)	KW

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
K.023	23/05/2022	16:58	Not recorded	Kestrel	1	immature woodland; hunting, female - for 30 mins (suitable nesting habitat; possible breeder)	KW
K.024	26/06/2022	10:21	Not recorded	Kestrel	1	hedgerows; perched, male perched on telegraph pole (suitable nesting habitat; possible breeder)	KW
K.025	26/06/2022	10:21	Not recorded	Kestrel	1	hedgerows; perched, female, perched somewhere in treeline, both male & female flew east but female circled back to trees behind farmyard (suitable nesting habitat; possible breeder)	KW
K.026	28/06/2022	15:18	Not recorded	Kestrel	1	improved agricultural grassland; hunting, k001 - male over hillside (suitable nesting habitat; possible breeder)	KW
K.027	12/07/2022	12:40	Not recorded	Kestrel	1	conifer plantation and improved agricultural grassland; soaring. evading being mobbed. mobbing buzzard., male kestrel being mobbed by flock of swallows, buzzard emerged over woodland also being mobbed by swallows, kestrel started mobbing buzzard, swallows mobbing them both, both kestrel and buzzard flew out of sight over woodland. (suitable nesting habitat; possible breeder)	SOB
K.029	12/07/2022	18:04	Not recorded	Kestrel	1	improved agricultural grassland, conifer plantation and dry calcareous and neutral grassland; flight, female kestrel hovering along roadside and over forestry, flew south continued hovering, then went out of sight (suitable nesting habitat; possible breeder)	SOB
K.030	12/07/2022	18:07	Not recorded	Kestrel	1	improved agricultural grassland, exposed calcareous rock and buildings and artificial surfaces; evading being mobbed, kestrel being mobbed by raven, near radio tower (suitable nesting habitat; possible breeder)	SOB
K.031	12/07/2022	18:08	Not recorded	Kestrel	1	dry calcareous and neutral grassland, exposed calcareous rock and scrub; hunting, hovering, kestrel appeared again, raven gone, kestrel hovering over hillside. (suitable nesting habitat; possible breeder)	SOB
K.032	13/07/2022	11:55	Not recorded	Kestrel	1	improved agricultural grassland, conifer plantation and scrub; evading being mobbed. hovering. flying, male kestrel appeared next to white house with conifer lines, mobbed by raven pair, flew back and forth headed w to forestry hovered until out of view beyond wd4 (suitable nesting habitat; possible breeder)	SOB
K.033	14/07/2022	16:32	Not recorded	Kestrel	1	improved agricultural grassland, conifer plantation and dry calcareous and neutral grassland; soaring, kestrel soaring over forestry s of abandoned house, headed east over valley (suitable nesting habitat; possible breeder)	SOB

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
K.034	22/04/2026	10:19	T1	Kestrel	1	improved grassland; hunting, male (suitable nesting habitat; possible breeder)	AR
K.035	22/04/2026	10:41	T1	Kestrel	1	improved grassland and hedgerows; hunting, male (suitable nesting habitat; possible breeder)	AR
K.036	23/04/2026	12:24	T5	Kestrel	1	improved grassland and hedgerows; hunting, male (suitable nesting habitat; possible breeder)	AR
K.037	16/05/2026	09:01	T5	Kestrel	1	improved grassland and conifer plantation; hunting (suitable nesting habitat; possible breeder)	AR
K.038	16/05/2026	14:02	T5	Kestrel	1	improved grassland and hedgerows; hunting (suitable nesting habitat; possible breeder)	AR
K.039	17/05/2026	11:13	T1	Kestrel	1	improved grassland; hunting (suitable nesting habitat; possible breeder)	AR
K.040	28/06/2026	08:31	T1	Kestrel	1	improved grassland, hedgerows and conifer plantation; flying, male (suitable nesting habitat; possible breeder)	AR
K.041	30/06/2026	13:01	T5	Kestrel	1	improved grassland and hedgerows; hunting (suitable nesting habitat; possible breeder)	AR
K.042	30/06/2026	13:26	T5	Kestrel	1	improved grassland and hedgerows; hunting (suitable nesting habitat; possible breeder)	AR
K.044	28/07/2026	10:27	T3	Kestrel	1	hedgerows and improved agricultural grassland; perching, flushed, flying (suitable nesting habitat; possible breeder)	JCH
K.045	28/07/2026	10:46	T3	Kestrel	1	recently felled woodland; hunting, hovering, male (suitable nesting habitat; possible breeder)	JCH
K.046	29/07/2026	10:59	T1	Kestrel	1	conifer plantation and improved agricultural grassland; flying, perching, female, perched on tree for two minutes. (suitable nesting habitat; possible breeder)	JCH
K.047	29/07/2026	11:12	T1	Kestrel	1	improved agricultural grassland; flying, hovering, hunting, male (suitable nesting habitat; possible breeder)	JCH
K.048	30/07/2026	06:49	T5	Kestrel	1	dry calcareous and neutral grassland; perching (suitable nesting habitat; possible breeder)	JCH

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
K.049	30/07/2026	07:05	T5	Kestrel	1	dry calcareous and neutral grassland; mobbed, mobbed by hooded crows. (suitable nesting habitat; possible breeder)	JCH

Table 7 - 4 – 24 Kestrel breeding raptor survey data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.001	BR2	13/04/2021	15:01	Kestrel	2	improved agricultural grassland and conifer plantation, soaring, male & female soaring together for 10 mins - drifted east, female diving out of sight	pair; probable breeding	KW
K.002	BR3B	13/04/2021	16:51	Kestrel	1	improved agricultural grassland, hunting, hunting	flyover; non-breeding	KW
K.003	BR2	29/04/2021	10:39	Kestrel	1	improved agricultural grassland, amenity grassland (improved) and treelines, flying - glide, male with long gliding folded wings dive, didn't appear to be carrying prey, into group of leylandii - obscured outbuildings behind treeline, near to where agitated female seen previously	suitable nesting habitat; possible breeder	KW
K.004	BR2	29/04/2021	11:03	Kestrel	1	improved agricultural grassland, flying, flying at 40-50m rapid flight for 477 secs as if chasing insects	flyover; non-breeding	KW
K.005	BR1	29/04/2021	13:12	Kestrel	1	improved agricultural grassland, hunting, glided below hillside	flyover; non-breeding	KW
K.006	BR1	29/04/2021	13:13	Kestrel	1	improved agricultural grassland and hedgerows, hunting, hovered & landed on thorn bush	flyover; non-breeding	KW
K.007	BR5	30/04/2021	10:01	Kestrel	1	improved agricultural grassland and conifer plantation, hunting, edge of woodland above gorse	flyover; non-breeding	KW
K.008	BR6B	30/04/2021	12:28	Kestrel	1	improved agricultural grassland and hedgerows, hunting, hovered, dived, missed & flew on	flyover; non-breeding	KW
K.009	BR2	28/05/2021	14:08	Kestrel	1	improved agricultural grassland and hedgerows, antagonistic, repeated swooping & aggressive flight towards 2 hooded crows perched on blackthorn - about 1k from female nesting at balleen castle - castle view is blocked by trees from breeding raptor vantage point so may need to move it to get more of the breeding activity	agitated behaviour; probable breeding	KW
K.019	BR1	28/06/2021	16:08	Kestrel	1	conifer plantation and improved agricultural grassland, hunting, north from plantation over grassland	suitable nesting habitat; possible breeder	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.020	BR1	28/06/2021	16:56	Kestrel	1	improved agricultural grassland, hunting, north, hovered at perimeter of plantation	suitable nesting habitat; possible breeder	KW
K.021	BR6B	28/06/2021	19:16	Kestrel	1	improved agricultural grassland, hunting, male flew north dropping below hill	suitable nesting habitat; possible breeder	KW
K.022	BR5	29/06/2021	13:09	Kestrel	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	KW
K.023	BR3B	29/06/2021	16:51	Kestrel	1	conifer plantation, calling, heard alarm calling from sitka plantation	agitated behaviour; probable breeding	KW
K.024	BR3B	29/06/2021	16:57	Kestrel	1	conifer plantation and improved agricultural grassland, soaring, soared with buzzard for 3 minutes then glided north	suitable nesting habitat; possible breeder	KW
K.026	BR2	13/07/2021	10:37	Kestrel	1	improved agricultural grassland, hunting, adult k hunting 500m southwest of ruin	suitable nesting habitat; possible breeder	KW
K.029	BR1	13/07/2021	12:13	Kestrel	1	hedgerows and conifer plantation, hunting, north along edge of plantation then east over plantation	suitable nesting habitat; possible breeder	KW
K.032	BR2	23/04/2022	13:28	Kestrel	1	improved agricultural grassland and treelines, display, rollercoasting briefly, flew to conifer tree	suitable nesting habitat; possible breeder	KW
K.033	BR2	23/04/2022	13:40	Kestrel	1	improved agricultural grassland, flying, male	suitable nesting habitat; possible breeder	KW
K.034	BR2	23/04/2022	13:57	Kestrel	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	KW
K.035	BR3B	20/05/2022	13:43	Kestrel	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
K.036	BR3B	20/05/2022	13:48	Kestrel	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
K.037	BR1	25/05/2022	09:09	Kestrel	1	improved agricultural grassland and conifer plantation, flying, female low	suitable nesting habitat; possible breeder	KW
K.038	BR1	25/05/2022	09:17	Kestrel	1	improved agricultural grassland, hunting, dropped below hill (f)	suitable nesting habitat; possible breeder	KW
K.039	BR1	25/05/2022	11:01	Kestrel	1	improved agricultural grassland, hunting, female dropped below hill	suitable nesting habitat; possible breeder	KW
K.040	BR2	03/06/2022	19:02	Kestrel	1	conifer plantation, hunting, repeated hovering, finally swooped down below treeline, didn't reappear	suitable nesting habitat; possible breeder	CB

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.041	BR2	03/06/2022	20:24	Kestrel	1	conifer plantation, hunting, hovering	suitable nesting habitat; possible breeder	CB
K.042	BR1	08/06/2022	20:15	Kestrel	1	improved agricultural grassland, hedgerows and conifer plantation, hunting, repeated hovering	suitable nesting habitat; possible breeder	CB
K.043	BR1	08/06/2022	20:26	Kestrel	1	improved agricultural grassland and conifer plantation, travelling, hunting - hovering	suitable nesting habitat; possible breeder	CB
K.044	BR4	17/06/2022	18:23	Kestrel	1	improved agricultural grassland and conifer plantation, hunting - repeated hovering	suitable nesting habitat; possible breeder	CB
K.045	BR3B	24/06/2022	18:41	Kestrel	1	improved agricultural grassland and hedgerows, travelling, brvp3b	flyover; non-breeding	CB
K.046	BR1	05/07/2022	11:31	Kestrel	1	improved agricultural grassland, hunting, ad female	suitable nesting habitat; possible breeder	KW
K.047	BR1	05/07/2022	11:48	Kestrel	1	improved agricultural grassland, hunting, ad female	suitable nesting habitat; possible breeder	KW
K.048	BR1	05/07/2022	12:25	Kestrel	1	improved agricultural grassland, hunting, ad female	suitable nesting habitat; possible breeder	KW
K.049	BR1	05/07/2022	12:46	Kestrel	1	improved agricultural grassland, hunting, different female	suitable nesting habitat; possible breeder	KW
K.050	BR1	05/07/2022	13:28	Kestrel	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	KW
K.051	BR1	25/04/2026	13:44	Kestrel	1	improved grassland and hedgerows, hunting	suitable nesting habitat; possible breeder	AR
K.052	BR3b	27/04/2026	10:06	Kestrel	1	improved grassland and hedgerows, hunting	suitable nesting habitat; possible breeder	AR
K.053	BR3b	19/05/2026	16:00	Kestrel	1	hedgerows and improved grassland, hunting, male	suitable nesting habitat; possible breeder	AR
K.054	BR1	25/05/2026	13:45	Kestrel	1	conifer plantation, soaring, kestrel and sparrowhawk soaring together	suitable nesting habitat; possible breeder	AR
K.056	BR1	25/05/2026	14:18	Kestrel	1	improved grassland, hedgerows and conifer plantation, hunting, male	suitable nesting habitat; possible breeder	AR
K.058	BR1	25/05/2026	14:34	Kestrel	1	improved grassland and hedgerows, hunting	suitable nesting habitat; possible breeder	AR
K.059	BR4	10/06/2026	19:07	Kestrel	1	hedgerows and improved grassland, hunting	suitable nesting habitat; possible breeder	AR

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.060	BR4	10/06/2026	20:11	Kestrel	1	hedgerows and improved grassland, hunting	suitable nesting habitat; possible breeder	AR
K.061	BR1	14/06/2026	11:06	Kestrel	1	improved grassland and hedgerows, flying	suitable nesting habitat; possible breeder	AR
K.063	BR6b	16/06/2026	10:39	Kestrel	1	improved grassland, hedgerows and conifer plantation, soaring	suitable nesting habitat; possible breeder	AR

Table 7 - 4 - 25 Kestrel incidental data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.001	Hen Harrier Roost Survey; Foyle North	25/10/2020	15:55	Kestrel	1	conifer plantation and improved agricultural grassland; in flight, male	ED
K.002	Wildfowl Distribution Survey; River Nore	06/01/2021	12:24	Kestrel	1	hedgerows; flies out of hedge and into field	SD
K.003	Hen Harrier Roost Survey; Spahill	21/01/2021	17:05	Kestrel	1	conifer plantation; flies into plantation to roost	SD
K.004	Vantage Point Survey; Frankford	03/02/2021	11:45	Kestrel	1	improved agricultural grassland; hovering	SD
K.005	Wildfowl Distribution Survey; River Nore	10/02/2021	11:17	Kestrel	2	arable crops; hunting, one perches on telegraph pole, male and female	SD
K.006	Wildfowl Distribution Survey; River Nore	10/02/2021	12:14	Kestrel	1	hedgerows and improved agricultural grassland; hunting and lands in tree, female	SD
K.007	Hen Harrier Roost Survey; Spahill	15/02/2021	16:28	Kestrel	1	conifer plantation and improved agricultural grassland; hunting	RT
K.008	Wildfowl Distribution Survey; Tubbrid	22/02/2021	12:52	Kestrel	1	improved agricultural grassland; perching on telegraph pole	RT
K.009	Vantage Point Survey; Frankford	16/03/2021	12:23	Kestrel	1	improved agricultural grassland; hunting, seen as driving down road, leaving site; male	RT
K.010	Wildfowl Distribution Survey; River Nore	24/03/2021	16:04	Kestrel	1	wet grassland; landed on grass, then flew fencepost to fencepost	SD
K.014	Vantage Point Survey; Killoshulan	17/06/2021	17:08	Kestrel	1	improved agricultural grassland; hunting	KW

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.017	Breeding Woodcock Survey; Killoshulan	08/06/2022	20:57	Kestrel	1	improved agricultural grassland, conifer plantation and highly modified/non-native woodland; hunting - travelling along close to plantation edge, repeated hovering stops	CB
K.018	Breeding Walkover Survey; Spahill	13/07/2022	11:52	Kestrel	1	dry calcareous and neutral grassland, improved agricultural grassland and scrub; hovering/hunting over hillside west of radio tower	SOB
K.019	Vantage Point Survey; VP1	16/11/2025	10:37	Kestrel	1	improved grassland and hedgerows; hunting, behind viewshed	AR
K.020	Vantage Point Survey; VP1	13/01/2026	12:31	Kestrel	1	improved grassland and hedgerows; soaring, female. moved from vantage point tab	AR
K.021	Vantage Point Survey; VP2	14/03/2026	08:21	Kestrel	1	improved grassland and hedgerows; hunting	AR
K.022	Vantage Point Survey; VP2	14/03/2026	09:22	Kestrel	1	improved grassland and hedgerows; hunting	AR
K.024	Breeding Woodcock Survey; Field adjacent to BWKT4	13/05/2026	20:03	Kestrel	1	improved agricultural grassland; hovering	JVD
K.025	Breeding Woodcock Survey; BWKT5	08/06/2026	22:29	Kestrel	1	improved agricultural grassland; flying	JVD
K.026	Vantage Point Survey; VP2	16/07/2026	11:58	Kestrel	3	dry calcareous and neutral grassland; hovering, hunting, calling, behind viewshed	JCH
K.027	Vantage Point Survey; VP1	05/08/2026	18:52	Kestrel	1	dry calcareous and neutral grassland and hedgerows; hovering, hunting, male, behind viewshed.	JCH
K.028	Vantage Point Survey; Foyle North	06/08/2026	10:48	Kestrel	1	improved agricultural grassland and hedgerows; flying, seen on way to VP.	JCH
K.029	Vantage Point Survey; VP1	14/08/2026	13:12	Kestrel	1	dry calcareous and neutral grassland and hedgerows; hovering, behind the viewshed.	JCH
K.030	Vantage Point Survey; VP1	14/08/2026	15:07	Kestrel	1	dry calcareous and neutral grassland; hunting, hovering, male, behind viewshed, seen on break.	JCH
K.031	Vantage Point Survey; VP5	24/08/2026	13:05	Kestrel	1	conifer plantation, dry calcareous and neutral grassland and hedgerows; hovering, hunting, perching, male, behind viewshed. perched on tree for 9 minutes at end of flight.	JCH

1.12 Lapwing

Table 7 - 4 – 26 Lapwing vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
L.001	VP3	07/01/2021	09:43	Lapwing	9	25	0	0	25	0	improved agricultural grassland; travelling over west to east	SD
L.002	VP5	17/10/2025	17:32	Lapwing	1	10	10	0	0	0	improved grassland; flying	AR

Table 7 - 4 – 27 Lapwing waterbird distribution and abundance survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.001	River Nore	06/11/2020	10:27	Lapwing	10	wet grassland and improved agricultural grassland; flying over farmland	SD
L.002	River Nore	27/11/2020	13:39	Lapwing	100	wet grassland and improved agricultural grassland; circling	SD
L.003	River Nore	27/11/2020	13:41	Lapwing	30	wet grassland and improved agricultural grassland; circling	SD
L.004	River Nore	27/11/2020	13:44	Lapwing	100	wet grassland; circling	SD
L.005	River Nore	27/11/2020	13:57	Lapwing	7	wet grassland and improved agricultural grassland; circling	SD
L.006	Horse and Jockey Lake	27/11/2020	15:56	Lapwing	150	wet grassland and lakes and ponds; coming in to roost on grass	SD
L.007	River Nore	09/12/2020	14:10	Lapwing	3	wet grassland; foraging in wet grass	SD
L.008	Horse and Jockey Lake	09/12/2020	15:44	Lapwing	87	wet grassland and lakes and ponds; roost	SD
L.009	River Nore	18/12/2020	14:00	Lapwing	95	wet grassland; roosting in flooded field	SD
L.010	River Nore	18/12/2020	14:06	Lapwing	79	wet grassland; roosting in flooded field	SD

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.011	Horse and Jockey Lake	18/12/2020	15:34	Lapwing	274	wet grassland; roosting	SD
L.012	River Nore	06/01/2021	11:08	Lapwing	64	wet grassland; foraging	SD
L.013	River Nore	06/01/2021	11:12	Lapwing	5	wet grassland; foraging, flooded field	SD
L.014	River Nore	06/01/2021	11:13	Lapwing	29	wet grassland; foraging	SD
L.015	River Nore	06/01/2021	11:17	Lapwing	7	wet grassland; foraging	SD
L.016	River Nore	06/01/2021	12:18	Lapwing	33	wet grassland and depositing/lowland rivers; foraging in flooded field	SD
L.017	River Nore	22/01/2021	10:55	Lapwing	210	improved agricultural grassland; foraging, outside the 8km radius	SD
L.018	River Nore	22/01/2021	10:56	Lapwing	2	improved agricultural grassland and depositing/lowland rivers; foraging, outside 8km buffer	SD
L.019	River Nore	22/01/2021	11:02	Lapwing	19	improved agricultural grassland and depositing/lowland rivers; foraging	SD
L.020	River Nore	22/01/2021	13:46	Lapwing	31	improved agricultural grassland and depositing/lowland rivers; foraging in field next to river	SD
L.021	Horse and Jockey Lake	22/01/2021	16:18	Lapwing	274	wet grassland and lakes and ponds; foraging on lake edge	SD
L.022	River Nore	10/02/2021	10:23	Lapwing	80	improved agricultural grassland; foraging in flooded field, just outside 8km buffer	SD
L.023	River Nore	10/02/2021	10:24	Lapwing	22	improved agricultural grassland; foraging in flooded field, just outside 8km buffer	SD
L.024	River Nore	10/02/2021	10:25	Lapwing	13	improved agricultural grassland and depositing/lowland rivers; foraging and circling over flooded field	SD
L.025	River Nore	10/02/2021	10:49	Lapwing	40	improved agricultural grassland; foraging	SD

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.026	River Nore	10/02/2021	11:18	Lapwing	2	wet grassland; foraging, flooded	SD
L.027	River Nore	10/02/2021	12:15	Lapwing	35	improved agricultural grassland and depositing/lowland rivers; flying over flood	SD
L.028	River Nore	22/02/2021	10:27	Lapwing	1	improved agricultural grassland and depositing/lowland rivers; resting on grassy island, field flooded	RT
L.029	River Nore	24/03/2021	16:06	Lapwing	1	wet grassland and depositing/lowland rivers; on grass then flies up calling	SD
L.030	Loughane	11/04/2021	13:15	Lapwing	1	turloughs; flying	KW
L.031	Loughane	11/04/2021	13:30	Lapwing	2	turloughs; flying	KW
L.032	Horse and Jockey	15/11/2021	10:00	Lapwing	5	turloughs; flying	KW
L.033	River Nore	15/11/2021	15:20	Lapwing	25	depositing/lowland rivers; flying	KW
L.034	Nuenna Equestrian Centre	27/11/2021	10:00	Lapwing	38	mesotrophic lakes; feeding	KW
L.035	Horse and Jockey	27/11/2021	12:15	Lapwing	141	turloughs; roosting/foraging	KW
L.036	Horse and Jockey	15/01/2022	09:35	Lapwing	250	turloughs; roosting/foraging	KW
L.037	Loughane	15/01/2022	10:45	Lapwing	7	turloughs; foraging	KW
L.038	River Nore	15/01/2022	15:11	Lapwing	80	improved agricultural grassland; roosting/foraging	KW
L.039	Horse and Jockey	26/01/2022	09:08	Lapwing	180	improved agricultural grassland; roosting/foraging	KW
L.040	River Nore	26/01/2022	14:16	Lapwing	120	improved agricultural grassland; flying, nearby resident advised circa 20 ws (the ones that make the noise) roosting at this location	KW

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.041	Horse and Jockey	14/02/2022	09:30	Lapwing	50	improved agricultural grassland; roosting/foraging	KW
L.042	River Nore	14/02/2022	11:45	Lapwing	180	improved agricultural grassland; foraging, 1k outside radius	KW
L.043	River Nore	14/02/2022	12:08	Lapwing	40	drainage ditches; flying	KW
L.044	Horse and Jockey	28/02/2022	10:35	Lapwing	26	turloughs; flying	KW
L.045	Loughane	31/03/2022	10:12	Lapwing	1	turloughs; foraging, old survey reference: l001	KW
L.046	Loughane	30/04/2022	08:40	Lapwing	1	turloughs; foraging	KW
L.047	River Nore	19/05/2022	17:45	Lapwing	2	arable crops; foraging	CB
L.048	Loughane	19/05/2022	19:30	Lapwing	3	wet grassland; foraging	CB
L.049	River Nore	27/05/2022	18:15	Lapwing	2	arable crops; foraging	CB
L.051	The Loughane	11/11/2025	09:46	Lapwing	16	improved grassland; roosting	AR
L.052	Balief Lower	28/11/2025	09:06	Lapwing	17	improved grassland and hedgerows; foraging, flooded area	AR
L.053	Balief Upper	28/11/2025	09:22	Lapwing	23	improved grassland and hedgerows; roosting, flooded area	AR
L.054	River Nore	28/11/2025	11:22	Lapwing	22	improved grassland and hedgerows; flying, flooded area	AR
L.055	River Nore	28/11/2025	11:33	Lapwing	62	improved grassland and hedgerows; flying, landing	AR
L.056	River Nore	28/11/2025	12:16	Lapwing	132	improved grassland, hedgerows and watercourses; roosting, flooded area	AR
L.057	Horse and Jockey - Rathreagh	28/11/2025	01:40	Lapwing	190	improved grassland, hedgerows and watercourses; roosting, flooded area	AR

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.058	The Loughane	10/12/2025	08:30	Lapwing	120	improved grassland and hedgerows; roosting, flooded area	AR
L.059	The Loughane	10/12/2025	09:45	Lapwing	96	improved grassland and hedgerows; roosting, flooded area	AR
L.060	Horse and Jockey - Rathreagh	10/12/2025	11:10	Lapwing	236	improved grassland and hedgerows; roosting, foraging, flooded area	AR
L.061	Ballyconra	10/12/2025	12:45	Lapwing	17	improved grassland, hedgerows and watercourses; roosting, flooded area	AR
L.062	Ballyragget	10/12/2025	13:01	Lapwing	14	improved grassland, hedgerows and watercourses; foraging, flooded river	AR
L.063	Freshford	10/12/2025	13:19	Lapwing	92	improved grassland, hedgerows and watercourses; foraging, flooded area	AR
L.064	The Loughane	28/12/2025	08:15	Lapwing	24	improved grassland and hedgerows; roosting, flooded area	AR
L.065	The Loughane	28/12/2025	09:30	Lapwing	260	improved grassland and hedgerows; roosting, flooded area	AR
L.066	Horse and Jockey - Rathreagh	28/12/2025	10:15	Lapwing	350	improved grassland and hedgerows; foraging, flooded area	AR
L.067	Glashare	28/12/2025	11:09	Lapwing	14	improved grassland and hedgerows; roosting, flooded area	AR
L.068	Ballyconra	28/12/2025	11:28	Lapwing	120	improved grassland, hedgerows and watercourses; roosting	AR
L.069	Ballyragget	28/12/2025	11:39	Lapwing	10	improved grassland and hedgerows; foraging	AR
L.070	Freshford	28/12/2025	12:39	Lapwing	30	improved grassland, hedgerows and watercourses; roosting	AR
L.071	Grange - River Nore	12/01/2026	10:06	Lapwing	126	improved grassland and hedgerows; roosting, flooded area	AR
L.072	Lismaine - River Nore	12/01/2026	10:51	Lapwing	26	improved grassland, hedgerows and watercourses; roosting, flooded area	AR
L.073	The Loughane	12/01/2026	12:41	Lapwing	46	improved grassland and hedgerows; roosting, flooded area	AR

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.074	Horse and Jockey - Rathreagh	12/01/2026	14:10	Lapwing	270	improved grassland and hedgerows; roosting, flooded area	AR
L.075	Horse and Jockey - Rathreagh	29/01/2026	09:00	Lapwing	400	improved grassland and hedgerows; flying, landing, flooded area	AR
L.076	The Loughane	29/01/2026	13:19	Lapwing	120	improved grassland; flying, flooded area	AR
L.077	The Loughane	16/02/2026	08:00	Lapwing	120	improved grassland and hedgerows; foraging	AR
L.078	The Loughane	16/02/2026	09:37	Lapwing	36	improved grassland and hedgerows; roosting	AR
L.079	Horse and Jockey - Rathreagh	16/02/2026	10:10	Lapwing	300	improved grassland and hedgerows; roosting	AR
L.080	Glashare	16/02/2026	11:34	Lapwing	34	improved grassland and hedgerows; foraging	AR
L.081	Ballyconra River Nore	16/02/2026	11:56	Lapwing	82	improved grassland, hedgerows and watercourses; roosting	AR
L.082	Grange	16/02/2026	12:17	Lapwing	6	improved grassland, hedgerows and watercourses; roosting	AR
L.083	Island - River Nore	16/02/2026	13:51	Lapwing	16	improved grassland, hedgerows and watercourses; roosting	AR
L.084	Horse and Jockey - Rathreagh	26/02/2026	09:00	Lapwing	62	improved grassland and hedgerows; foraging, roosting	AR
L.085	The Loughane	13/03/2026	08:26	Lapwing	200	improved grassland and hedgerows; foraging, flooded area	AR
L.086	Horse and Jockey - Rathreagh	13/03/2026	09:47	Lapwing	67	improved grassland and hedgerows; foraging, flooded area	AR
L.087	Glashare	13/03/2026	11:22	Lapwing	84	improved grassland and hedgerows; roosting, flooded area	AR
L.088	Moatpark	13/03/2026	11:39	Lapwing	26	improved grassland and hedgerows; roosting, flooded area	AR

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.089	River Nore	13/03/2026	12:46	Lapwing	61	improved grassland, hedgerows and watercourses; roosting, flooded area	AR
L.090	Horse and Jockey - Rathreagh	24/03/2026	08:00	Lapwing	1	improved grassland and hedgerows; foraging, flooded area	AR
L.091	Inchmore Islands	24/03/2026	10:14	Lapwing	4	improved grassland, hedgerows and watercourses; roosting, flooded area	AR

1.13 Meadow pipit

Table 7 - 4 - 28 Meadow pipit vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
MP001	VP3	29/10/2020	Not recorded	Meadow Pipit	4	-	-	-	-	-	improved agricultural grassland; foraging	SD
MP002	VP5	30/10/2020	Not recorded	Meadow Pipit	2	-	-	-	-	-	improved agricultural grassland; foraging	SD
MP003	VP3	03/11/2020	Not recorded	Meadow Pipit	4	-	-	-	-	-	improved agricultural grassland; foraging	SD
MP004	VP5	03/11/2020	Not recorded	Meadow Pipit	4	-	-	-	-	-	improved agricultural grassland; foraging	SD
MP005	VP2	04/11/2020	Not recorded	Meadow Pipit	2	-	-	-	-	-	improved grassland; foraging	SD
MP006	VP1	11/11/2020	Not recorded	Meadow Pipit	Not recorded	-	-	-	-	-	improved grassland; present	ED
MP007	VP4	19/11/2020	Not recorded	Meadow Pipit	2	-	-	-	-	-	wet grassland; foraging	SD
MP008	VP2	22/11/2020	Not recorded	Meadow Pipit	Not recorded	-	-	-	-	-	improved grassland; present	ED
MP009	VP4	02/12/2020	Not recorded	Meadow Pipit	4	-	-	-	-	-	wet grassland; foraging	SD

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
MP010	VP2	15/12/2020	Not recorded	Meadow Pipit	2	-	-	-	-	-	improved grassland; foraging	SD
MP011	VP3	07/01/2021	Not recorded	Meadow Pipit	4	-	-	-	-	-	improved agricultural grassland and improved grassland; foraging	SD
MP012	VP2	14/01/2021	Not recorded	Meadow Pipit	2	-	-	-	-	-	improved grassland; foraging in fields calling	SD
MP013	VP1	21/01/2021	Not recorded	Meadow Pipit	1	-	-	-	-	-	improved agricultural grassland; fly over	SD
MP014	VP1	03/02/2021	Not recorded	Meadow Pipit	1	-	-	-	-	-	improved agricultural grassland; fly over	SD
MP015	VP2	09/02/2021	Not recorded	Meadow Pipit	2	-	-	-	-	-	improved grassland; foraging	SD
MP016	VP4	02/03/2021	Not recorded	Meadow Pipit	Not recorded	-	-	-	-	-	improved grassland; present	RT
MP017	VP2	08/03/2021	Not recorded	Meadow Pipit	Not recorded	-	-	-	-	-	improved grassland; present	RT
MP018	VP3	15/03/2021	Not recorded	Meadow Pipit	Not recorded	-	-	-	-	-	improved agricultural grassland; present	RT
MP019	VP4	12/04/2021	14:57	Meadow Pipit	2	-	-	-	-	-	improved agricultural grassland; display	KW
MP020	VP4	26/05/2021	10:01	Meadow Pipit	1	-	-	-	-	-	improved agricultural grassland; territorial display	KW
MP021	VP2	27/05/2021	08:33	Meadow Pipit	2	-	-	-	-	-	improved agricultural grassland; territorial display	KW
MP022	VP2	15/06/2021	14:00	Meadow Pipit	2	-	-	-	-	-	improved agricultural grassland; display	KW
MP023	VP4	17/06/2021	14:38	Meadow Pipit	2	-	-	-	-	-	improved agricultural grassland; display	KW
MP024	VP4	25/08/2021	12:54	Meadow Pipit	6	-	-	-	-	-	improved agricultural grassland; flying	KW
MP025	VP4	27/09/2021	14:57	Meadow Pipit	14	-	-	-	-	-	improved agricultural grassland; flying	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
MP026	VP1	06/10/2021	08:07	Meadow Pipit	12	-	-	-	-	-	improved agricultural grassland; flying	KW
MP027	VP4	22/10/2021	07:46	Meadow Pipit	2	-	-	-	-	-	improved agricultural grassland; flying	KW
MP028	VP2	12/01/2022	11:46	Meadow Pipit	6	-	-	-	-	-	improved agricultural grassland; flying	KW
MP029	VP5	16/02/2022	11:46	Meadow Pipit	2	-	-	-	-	-	improved agricultural grassland; flying	KW
MP030	VP4	17/02/2022	08:38	Meadow Pipit	6	-	-	-	-	-	improved agricultural grassland; flying	KW
MP031	VP5	15/04/2022	14:00	Meadow Pipit	2	-	-	-	-	-	conifer plantation and improved agricultural grassland; in suitable breeding habitat.	TK
MP032	VP2	16/04/2022	06:15	Meadow Pipit	4	-	-	-	-	-	improved agricultural grassland; in suitable breeding habitat., 4 meadow pipits around vantage point, in rough grassland, suitable nesting habitat.	TK
MP033	VP1	07/05/2022	18:30	Meadow Pipit	3	-	-	-	-	-	improved agricultural grassland; feeding, 3 meadow pipits in field with cattle.	TK
MP034	VP2	08/05/2022	18:35	Meadow Pipit	4	-	-	-	-	-	improved agricultural grassland and scrub; h, ff, 4 meadow pipits in suitable breeding habitat, some carrying food for young	TK
MP035	VP5	02/08/2022	Not recorded	Meadow Pipit	3	-	-	-	-	-	conifer plantation and improved agricultural grassland; in suitable habitat, 3 meadow pipits around vantage point during survey.	TK
MP036	VP2	06/08/2022	Not recorded	Meadow Pipit	4	-	-	-	-	-	improved agricultural grassland and scrub; in suitable habitat, 4 meadow pipits seen during survey in rough grassland/scrub.	TK
MP037	VP4	25/09/2022	14:18	Meadow Pipit	2	-	-	-	-	-	improved agricultural grassland; flying	KW
MP038	VP5	17/10/2025	16:36	Meadow Pipit	11	20	20	0	0	0	improved grassland and hedgerows; flying	AR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
MP039	VP2	27/11/2025	0710-13:40	Meadow Pipit	16	-	-	-	-	-	improved grassland; flying, landing, at least 30 sightings	AR
MP040	VP2	15/01/2026	07:30-14:00	Meadow Pipit	42	-	-	-	-	-		AR
MP041	VP1	23/02/2026	12:30-19:00	Meadow Pipit	36	-	-	-	-	-	improved grassland; flying, landing, foraging, 36 sightings	AR
MP042	VP4	26/04/2026	17:28	Meadow Pipit	2	20	10	10			improved grassland and hedgerows; displaying	AR
MP043	VP4	22/05/2026	06:00 12:30	Meadow Pipit	8	0	0	0	0	0		AR
MP044	VP1	11/06/2026	12:09	Meadow Pipit	2	5	0	5	0	0	improved grassland; flying	AR
MP045	VP5	13/06/2026	14:06	Meadow Pipit	1	20	20	0	0	0	improved grassland, hedgerows and conifer plantation; displaying	AR
MP046	VP2	14/06/2026	14:00-20:30	Meadow Pipit	8	0	0	0	0	0	improved grassland; displaying, 43 sightings	AR
MP047	VP4	19/06/2026	08:24	Meadow Pipit	1	20	10	10	0	0	improved grassland and hedgerows; displaying	AR
MP048	VP4	19/06/2026	12:39	Meadow Pipit	4	5	5	0	0	0	improved grassland and conifer plantation; flying	AR
MP049	VP1	01/07/2026	14:00	Meadow Pipit	7	-	-	-	-	-	improved agricultural grassland and hedgerows; flying	JCH
MP050	VP4	15/07/2026	15:26	Meadow Pipit	7	-	-	-	-	-	improved agricultural grassland and hedgerows; flying, perching, calling	JCH
MP051	VP4	11/08/2026	16:07	Meadow Pipit	14	-	-	-	-	-	dry calcareous and neutral grassland and hedgerows; flying, perching, calling	JCH
MP052	VP4	21/08/2026	14:32	Meadow Pipit	26	-	-	-	-	-	dry calcareous and neutral grassland and hedgerows; flying, calling, perching	JCH

Table 7 - 4 – 29 Meadow pipit winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP001	17/11/2020	Not recorded	Not recorded	Meadow Pipit	2	Not recorded	SD
MP002	17/11/2020	Not recorded	T4	Meadow Pipit	4	Not recorded	SD
MP003	20/11/2020	Not recorded	T8	Meadow Pipit	2	Not recorded	SD
MP004	13/01/2021	Not recorded	Not recorded	Meadow Pipit	4	Not recorded	SD
MP005	17/02/2021	Not recorded	Not recorded	Meadow Pipit	3	Not recorded	SD
MP006	18/03/2021	Not recorded	T5	Meadow Pipit	4	Not recorded	SD
MP007	18/03/2021	Not recorded	Not recorded	Meadow Pipit	1	Not recorded	SD
MP008	19/03/2021	Not recorded	Not recorded	Meadow Pipit	1	Not recorded	SD
MP009	18/10/2021	16:15	Not recorded	Meadow Pipit	10	hedgerows; flying ()	KW
MP010	16/01/2022	10:09	Not recorded	Meadow Pipit	2	scrub; flying	KW
MP011	16/01/2022	11:15	Not recorded	Meadow Pipit	12	improved agricultural grassland; flying	KW
MP012	16/01/2022	15:28	Not recorded	Meadow Pipit	2	improved agricultural grassland; flying	KW
MP013	25/01/2022	09:45	Not recorded	Meadow Pipit	2	improved agricultural grassland; flying	KW
MP014	16/10/2025	15:11	T8	Meadow Pipit	3	improved grassland; flying (wintering)	AR
MP015	24/12/2025	13:27	T5	Meadow Pipit	6	improved grassland; flushed (wintering)	AR

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP016	24/12/2025	13:33	T5	Meadow Pipit	21	improved grassland; flying (wintering)	AR
MP017	10/01/2026	10:39	T4	Meadow Pipit	14	improved grassland and hedgerows; flushed, foraging (wintering)	AR
MP018	10/01/2026	12:21	T3	Meadow Pipit	4	improved grassland and hedgerows; foraging (wintering)	AR
MP019	15/03/2026	12:56	T5	Meadow Pipit	6	improved grassland and hedgerows; flushed (wintering)	AR
MP020	16/03/2026	13:43	T2	Meadow Pipit	12	improved grassland and hedgerows; flushed (wintering)	AR

Table 7 - 4 – 30 Meadow pipit breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP001	27/04/2021	13:48	Not recorded	Meadow Pipit	1	improved agricultural grassland; flying, display flight/singing (courtship and display; probable breeding)	KW
MP002	28/04/2021	10:50	Not recorded	Meadow Pipit	16	scrub; display/alarm (courtship and display; probable breeding)	KW
MP003	28/04/2021	12:55	Not recorded	Meadow Pipit	2	improved agricultural grassland; display (courtship and display; probable breeding)	KW
MP004	18/05/2021	17:01	Not recorded	Meadow Pipit	2	improved agricultural grassland; alarm calling, T8 (agitated behaviour; probable breeding)	KW
MP005	18/05/2021	19:45	Not recorded	Meadow Pipit	14	scrub; display/alarm call, T8 (agitated behaviour; probable breeding)	KW
MP006	19/05/2021	21:05	Not recorded	Meadow Pipit	1	improved agricultural grassland; display/alarm call, T5 (permanent territory; probable breeding)	KW
MP007	19/06/2021	10:49	Not recorded	Meadow Pipit	10	scrub; display (permanent territory; probable breeding)	KW
MP008	25/06/2021	18:04	Not recorded	Meadow Pipit	1	improved agricultural grassland; displaying (courtship and display; probable breeding)	KW
MP009	25/06/2021	19:57	Not recorded	Meadow Pipit	2	improved agricultural grassland; flying (suitable nesting habitat; possible breeder)	KW

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP010	30/07/2021	11:18	Not recorded	Meadow Pipit	14	improved agricultural grassland; flying, either side of track (fledged young; confirmed breeding)	KW
MP011	30/07/2021	11:18	Not recorded	Meadow Pipit	8	improved agricultural grassland; flying, either side of track (fledged young; confirmed breeding)	KW
MP012	20/04/2022	09:21	Not recorded	Meadow Pipit	2	improved agricultural grassland; alarm call (suitable nesting habitat; possible breeder)	KW
MP013	24/04/2022	14:11	Not recorded	Meadow Pipit	2	improved agricultural grassland; flying (pair; probable breeding)	KW
MP014	14/05/2022	10:46	Not recorded	Meadow Pipit	2	improved agricultural grassland; alarm call (suitable nesting habitat; possible breeder)	KW
MP015	21/05/2022	11:38	Not recorded	Meadow Pipit	2	improved agricultural grassland; alarm call (suitable nesting habitat; possible breeder)	KW
MP016	16/06/2022	14:05	Not recorded	Meadow Pipit	2	improved agricultural grassland; alarm call (suitable nesting habitat; possible breeder)	KW
MP017	28/06/2022	15:27	Not recorded	Meadow Pipit	4	improved agricultural grassland; flying (suitable nesting habitat; possible breeder)	KW
MP018	12/07/2022	12:30	Not recorded	Meadow Pipit	1	improved agricultural grassland, hedgerows and stone walls and other stonework; courtship display (courtship and display; probable breeding)	SOB
MP019	12/07/2022	12:45	Not recorded	Meadow Pipit	4	improved agricultural grassland and stone walls and other stonework; perched, calling, foraging, 4 meadow pipits foraging and calling softly from perch on wall (suitable nesting habitat; possible breeder)	SOB
MP020	12/07/2022	13:00	Not recorded	Meadow Pipit	1	improved agricultural grassland and exposed calcareous rock; calling. courtship display, 1 meadow pipits calling and courtship display in field next to forestry (courtship and display; probable breeding)	SOB
MP021	12/07/2022	14:30	Not recorded	Meadow Pipit	1	dry calcareous and neutral grassland and exposed calcareous rock; foraging calling, meadow pipits foraging and calling near abandoned house, to south of house. (suitable nesting habitat; possible breeder)	SOB
MP022	12/07/2022	14:55	Not recorded	Meadow Pipit	1	dry calcareous and neutral grassland, improved agricultural grassland and exposed calcareous rock; calling (suitable nesting habitat; possible breeder)	SOB
MP023	12/07/2022	18:40	Not recorded	Meadow Pipit	1	hedgerows, improved agricultural grassland and scrub; alarmed flight. foraging., meadow pipits flushed out of verge on road. (suitable nesting habitat; possible breeder)	SOB

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP024	13/07/2022	14:14	Not recorded	Meadow Pipit	1	improved agricultural grassland and hedgerows; courtship display, meadow pipits courtship display over field near spa hill (courtship and display; probable breeding)	SOB
MP025	14/07/2022	19:14	Not recorded	Meadow Pipit	2	hedgerows, improved agricultural grassland and arable crops; foraging, two meadow pipits foraging on road (suitable nesting habitat; possible breeder)	SOB
MP026	21/04/2026	08:36	T3	Meadow Pipit	1	conifer plantation; displaying (courtship and display; probable breeding)	AR
MP027	21/04/2026	10:38	T3	Meadow Pipit	12	improved grassland and hedgerows; flying/landed (migrating; non-breeding)	AR
MP028	22/04/2026	08:16	T1	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP029	22/04/2026	08:19	T1	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP030	22/04/2026	08:46	T1	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP031	22/04/2026	09:06	T1	Meadow Pipit	1	improved grassland and hedgerows; feeding (suitable nesting habitat; possible breeder)	AR
MP032	23/04/2026	08:11	T5	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP033	23/04/2026	08:17	T5	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP034	23/04/2026	10:04	T5	Meadow Pipit	1	improved grassland; displaying (courtship and display; probable breeding)	AR
MP035	23/04/2026	10:23	T5	Meadow Pipit	6	improved grassland; feeding (suitable nesting habitat; possible breeder)	AR
MP036	16/05/2026	10:07	T5	Meadow Pipit	1	conifer plantation; displaying (courtship and display; probable breeding)	AR
MP037	16/05/2026	11:15	T5	Meadow Pipit	1	improved grassland; displaying (courtship and display; probable breeding)	AR
MP038	16/05/2026	11:37	T5	Meadow Pipit	2	improved grassland; flying (suitable nesting habitat; possible breeder)	AR
MP039	16/05/2026	12:06	T5	Meadow Pipit	1	improved grassland; displaying (courtship and display; probable breeding)	AR

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP040	16/05/2026	12:24	T5	Meadow Pipit	4	improved grassland; flying (suitable nesting habitat; possible breeder)	AR
MP041	16/05/2026	13:06	T5	Meadow Pipit	1	improved grassland; displaying (courtship and display; probable breeding)	AR
MP042	16/05/2026	13:19	T5	Meadow Pipit	1	improved grassland; displaying (courtship and display; probable breeding)	AR
MP043	17/05/2026	11:41	T1	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP044	17/05/2026	11:55	T1	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP045	17/05/2026	12:03	T1	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP046	17/05/2026	12:14	T1	Meadow Pipit	1	improved grassland; flying (suitable nesting habitat; possible breeder)	AR
MP047	17/05/2026	12:57	T1	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP048	17/05/2026	14:07	T1	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP049	19/05/2026	11:22	T3	Meadow Pipit	1	improved grassland, hedgerows and conifer plantation; displaying (courtship and display; probable breeding)	AR
MP050	19/05/2026	11:26	T3	Meadow Pipit	1	improved grassland, hedgerows and conifer plantation; displaying (courtship and display; probable breeding)	AR
MP051	19/05/2026	11:52	T3	Meadow Pipit	1	improved grassland and hedgerows; flying (suitable nesting habitat; possible breeder)	AR
MP052	19/05/2026	13:27	T3	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP053	27/06/2026	09:03	T3	Meadow Pipit	1	conifer plantation and improved grassland; displaying (courtship and display; probable breeding)	AR
MP054	27/06/2026	09:17	T3	Meadow Pipit	1	improved grassland and conifer plantation; displaying (courtship and display; probable breeding)	AR
MP055	27/06/2026	09:52	T3	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP056	27/06/2026	13:09	T4	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP057	28/06/2026	08:43	T1	Meadow Pipit	1	improved grassland; calling (suitable nesting habitat; possible breeder)	AR
MP058	28/06/2026	09:07	T1	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP059	28/06/2026	09:19	T1	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP060	28/06/2026	10:02	T1	Meadow Pipit	2	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP061	28/06/2026	10:13	T1	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP062	28/06/2026	10:39	T1	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP063	28/06/2026	11:11	T1	Meadow Pipit	4	improved grassland and hedgerows; flying (suitable nesting habitat; possible breeder)	AR
MP064	28/06/2026	11:24	T1	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP065	30/06/2026	08:13	T5	Meadow Pipit	2	improved grassland and conifer plantation; flying/calling (suitable nesting habitat; possible breeder)	AR
MP066	30/06/2026	08:47	T5	Meadow Pipit	1	improved grassland and conifer plantation; displaying (courtship and display; probable breeding)	AR
MP067	30/06/2026	09:38	T5	Meadow Pipit	1	improved grassland and hedgerows; displaying (courtship and display; probable breeding)	AR
MP068	30/06/2026	10:16	T5	Meadow Pipit	13	improved grassland; flying (fledged young; confirmed breeding)	AR
MP069	30/06/2026	11:21	T5	Meadow Pipit	1	improved grassland; displaying (courtship and display; probable breeding)	AR
MP070	30/06/2026	12:36	T5	Meadow Pipit	1	improved grassland; displaying (courtship and display; probable breeding)	AR
MP071	30/06/2026	12:58	T5	Meadow Pipit	6	improved grassland and hedgerows; flying/landed (fledged young; confirmed breeding)	AR

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP072	28/07/2026	08:52	T4	Meadow Pipit	2	hedgerows and improved agricultural grassland; perched (suitable nesting habitat; possible breeder)	JCH
MP073	28/07/2026	08:59	T4	Meadow Pipit	6	improved agricultural grassland; flying, perching (suitable nesting habitat; possible breeder)	JCH
MP074	29/07/2026	08:15	T1	Meadow Pipit	5	hedgerows; perching (suitable nesting habitat; possible breeder)	JCH
MP075	29/07/2026	09:19	T1	Meadow Pipit	2	improved agricultural grassland and hedgerows; flying (suitable nesting habitat; possible breeder)	JCH
MP076	29/07/2026	09:24	T1	Meadow Pipit	5	improved agricultural grassland; flying, calling (suitable nesting habitat; possible breeder)	JCH
MP077	30/07/2026	06:12	T5	Meadow Pipit	5	dry calcareous and neutral grassland; perching, calling (suitable nesting habitat; possible breeder)	JCH
MP078	30/07/2026	06:38	T5	Meadow Pipit	14	dry calcareous and neutral grassland; perching, flying, calling (suitable nesting habitat; possible breeder)	JCH

Table 7 - 4 – 31 Meadow pipit incidental data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
MP001	Breeding Raptor Survey; Spahill	08/06/2022	19:15	Meadow Pipit	2	improved agricultural grassland; parachute song flight	CB
MP002	Vantage Point Survey; VP2	14/03/2026	11:38	Meadow Pipit	4	improved grassland and hedgerows; mobbing	AR
MP003	Breeding Woodcock Survey; WKT2	12/05/2026	20:32	Meadow Pipit	1	improved agricultural grassland; calling	JVD
MP004	Breeding Woodcock Survey; access track to bwkt3	04/06/2026	20:37	Meadow Pipit	1	improved agricultural grassland; displaying	JVD
MP005	Breeding Woodcock Survey; access track to bwkt3	04/06/2026	20:40	Meadow Pipit	1	improved agricultural grassland; calling	JVD
MP006	Breeding Woodcock Survey; WKT2	04/06/2026	20:53	Meadow Pipit	1	improved agricultural grassland; display	SM
MP007	Breeding Woodcock Survey; WKT2	04/06/2026	20:55	Meadow Pipit	1	improved agricultural grassland; calling	SM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
MP008	Breeding Woodcock Survey; BWKT2	23/06/2026	21:05	Meadow Pipit		improved agricultural grassland; calling	JVD
MP009	Breeding Raptor Survey; BRVP1	17/07/2026	14:11	Meadow Pipit	18	dry meadows and grassy verges and buildings and artificial surfaces; perching, flying, calling	JCH

1.14 Redwing

Table 7 - 4 – 32 Redwing vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
RE001	VP5	16/11/2020	Not recorded	Redwing	not recorded	-	-	-	-	-	improved grassland; present	ED
RE002	VP2	22/11/2020	Not recorded	Redwing	not recorded	-	-	-	-	-	improved grassland; present	ED
RE003	VP3	23/11/2020	Not recorded	Redwing	not recorded	-	-	-	-	-	improved agricultural grassland; present	ED
RE004	VP2	15/12/2020	Not recorded	Redwing	2	-	-	-	-	-	scrub; in small trees	SD
RE005	VP3	07/01/2021	Not recorded	Redwing	5	-	-	-	-	-	improved agricultural grassland; flying around and foraging in grass	SD
RE006	VP2	14/01/2021	Not recorded	Redwing	2	-	-	-	-	-	scrub and improved grassland; in small trees	SD
RE007	VP5	05/02/2021	Not recorded	Redwing	11	-	-	-	-	-	treelines and improved agricultural grassland; wintering flock flying along treeline	SD
RE008	VP3	08/02/2021	Not recorded	Redwing	4	-	-	-	-	-	improved agricultural grassland and treelines; flock foraging in field, water troughs iced over - birds can't get water!	SD
RE009	VP5	03/03/2021	Not recorded	Redwing	Not recorded	-	-	-	-	-	improved grassland; present	RT
RE010	VP3	15/03/2021	Not recorded	Redwing	Not recorded	-	-	-	-	-	improved agricultural grassland; present	RT

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
RE011	VP5	03/11/2021	Not recorded	Redwing	Not recorded	-	-	-	-	-	improved agricultural grassland; present, moved from non-target	KW
RE012	VP4	16/11/2021	Not recorded	Redwing	Not recorded	-	-	-	-	-	improved agricultural grassland; present, moved from non-target	KW
RE013	VP2	17/11/2021	Not recorded	Redwing	Not recorded	-	-	-	-	-	improved agricultural grassland; present, moved from non-target	KW
RE014	VP3	18/11/2021	Not recorded	Redwing	Not recorded	-	-	-	-	-	improved agricultural grassland; present, moved from non-target	KW
RE015	VP5	14/12/2021	Not recorded	Redwing	Not recorded	-	-	-	-	-	improved agricultural grassland; present, moved from non-target	KW
RE016	VP4	16/12/2021	Not recorded	Redwing	Not recorded	-	-	-	-	-	improved agricultural grassland; present, moved from non-target	KW
RE017	VP1	17/12/2021	Not recorded	Redwing	1	-	-	-	-	-	improved agricultural grassland; present, moved from non-target	KW
RE018	VP3	20/12/2021	Not recorded	Redwing	1	-	-	-	-	-	improved agricultural grassland; present, moved from non-target	KW
RE019	VP1	11/01/2022	Not recorded	Redwing	1	-	-	-	-	-	improved agricultural grassland; present, moved from non-target	KW
RE020	VP2	12/01/2022	Not recorded	Redwing	1	-	-	-	-	-	improved agricultural grassland; present, moved from non-target	KW
RE021	VP4	14/01/2022	Not recorded	Redwing	1	-	-	-	-	-	improved agricultural grassland; present, moved from non-target	
RE022	VP3	25/01/2022	16:55	Redwing	30	-	-	-	-	-	scrub; flying/roosting	KW
RE023	VP3	25/01/2022	17:14	Redwing	50	-	-	-	-	-	scrub; flying/roosting	KW
RE024	VP3	25/01/2022	17:16	Redwing	35	-	-	-	-	-	scrub; flying/roosting	KW
RE025	VP3	25/01/2022	17:20	Redwing	20	-	-	-	-	-	scrub; flying/roosting	KW
RE026	VP4	17/02/2022	09:01	Redwing	9	-	-	-	-	-	improved agricultural grassland and conifer plantation; flying	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
RE027	VP4	17/02/2022	11:44	Redwing	40	-	-	-	-	-	improved agricultural grassland; flying	KW
RE028	VP5	17/10/2025	18:09	Redwing	40	20	10	10	0	0	improved grassland and hedgerows; flying, landing	AR
RE029	VP4	18/10/2025	13:07	Redwing	80	10	10	0	0	0	improved grassland and hedgerows; landing, foraging	AR
RE030	VP4	17/11/2025	12:24	Redwing	16	5	0	5	0	0	improved grassland and hedgerows; flying	AR
RE031	VP3	29/11/2025	08:19	Redwing	36	10	20	10	0	0	improved grassland and hedgerows; flying, foraging	AR
RE032	VP3	05/12/2025	10:52	Redwing	42	5	5	0	0	0	improved grassland and hedgerows; flying, landing	AR
RE033	VP3	05/12/2025	12:06	Redwing	17	10	10	0	0	0	improved grassland and hedgerows; flying	AR
RE034	VP3	05/12/2025	15:52	Redwing	20	5	0	5	0	0	improved grassland and hedgerows; flying	AR
RE035	VP4	14/01/2026	13:10	Redwing	18	10	10	0	0	0	improved grassland and hedgerows; flying, landing	AR
RE036	VP5	16/01/2026	10:26	Redwing	120	10	10	0	0	0	hedgerows and improved grassland; foraging	AR
RE037	VP3	30/01/2026	12:29	Redwing	6	10	10	0	0	0	improved grassland and hedgerows; flying	AR
RE038	VP1	23/02/2026	12:36	Redwing	80	10	10	0	0	0	improved grassland and hedgerows; flying, landing, foraging	AR
RE039	VP1	23/02/2026	16:23	Redwing	4	10	0	10	0	0	improved grassland; flying	AR
RE040	VP1	23/02/2026	16:38	Redwing	16	5	5	0	0	0	improved grassland and hedgerows; flying, landing	AR

Table 7 - 4 – 33 Redwing winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
RE001	17/11/2020	Not recorded	T4	Redwing	25	Not recorded	SD
RE002	17/11/2020	Not recorded	T3	Redwing	17	Not recorded	SD
RE003	15/01/2021	Not recorded	Not recorded	Redwing	6	Not recorded	SD
RE004	17/02/2021	Not recorded	Not recorded	Redwing	2	Not recorded	SD
RE005	17/02/2021	Not recorded	Not recorded	Redwing	1	Not recorded	SD
RE006	24/02/2021	Not recorded	Not recorded	Redwing	3	Not recorded	SD
RE007	24/02/2021	Not recorded	Not recorded	Redwing	5	Not recorded	SD
RE008	24/02/2021	Not recorded	Not recorded	Redwing	16	Not recorded	SD
RE009	21/10/2021	Not recorded	T4	Redwing	1	Not recorded	KW
RE010	30/10/2021	Not recorded	Not recorded	Redwing	1	improved agricultural grassland; present, T2 ()	KW
RE011	18/12/2021	Not recorded	T1	Redwing	1	Not recorded	KW
RE012	18/12/2021	Not recorded	T1	Redwing	1	Not recorded	KW
RE013	18/12/2021	Not recorded	T4	Redwing	1	Not recorded	KW
RE014	18/12/2021	Not recorded	T3	Redwing	1	Not recorded	KW
RE015	19/12/2021	Not recorded	T7	Redwing	1	Not recorded	KW

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
RE016	16/01/2022	13:18	Not recorded	Redwing	30	improved agricultural grassland and scrub; flying ()	KW
RE017	25/01/2022	09:50	Not recorded	Redwing	11	improved agricultural grassland; flying ()	KW
RE018	25/01/2022	09:55	Not recorded	Redwing	45	improved agricultural grassland and hedgerows; foraging ()	KW
RE019	25/01/2022	10:09	Not recorded	Redwing	30	improved agricultural grassland; flying ()	KW
RE020	26/01/2022	16:23	Not recorded	Redwing	40	improved agricultural grassland and scrub; flying ()	KW
RE021	19/02/2022	13:36	Not recorded	Redwing	6	improved agricultural grassland; flushed ()	KW
RE022	23/02/2022	16:18	Not recorded	Redwing	30	improved agricultural grassland; foraging ()	KW
RE023	23/12/2025	10:52	T4	Redwing	36	improved grassland and hedgerows; flying (wintering)	AR
RE024	23/12/2025	11:06	T4	Redwing	100	improved grassland and hedgerows; foraging, flying (wintering)	AR
RE025	23/12/2025	12:31	T3	Redwing	60	improved grassland and hedgerows; flying (wintering)	AR
RE026	23/12/2025	13:46	T2	Redwing	22	improved grassland and hedgerows; foraging, flying (wintering)	AR
RE027	10/01/2026	09:43	T1	Redwing	120	improved grassland and hedgerows; flying, landing (wintering)	AR
RE028	10/01/2026	10:27	T4	Redwing	90	improved grassland and hedgerows; flying/foraging (wintering)	AR
RE029	10/01/2026	11:43	T3	Redwing	100	improved grassland and hedgerows; flying, foraging (wintering)	AR
RE030	16/03/2026	10:16	T4	Redwing	38	improved grassland and hedgerows; foraging (wintering)	AR
RE031	16/03/2026	10:38	T4	Redwing	60	improved grassland and hedgerows; flying (wintering)	AR

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
RE032	16/03/2026	13:32	T2	Redwing	24	improved grassland and hedgerows; foraging (wintering)	AR
RE033	16/06/2026	11:43	T3	Redwing	14	improved grassland and hedgerows; foraging (wintering)	AR

1.15 Snipe

Table 7 - 4 – 34 Snipe vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
SN001	VP2	04/11/2020	16:16	Snipe	1	-	-	-	-	-	dry meadows and grassy verges; calling, audible from behind vantage point	SD
SN002	VP4	12/04/2021	17:52	Snipe	1	112	0	101	11	0	improved agricultural grassland; flying	KW
SN003	VP4	12/04/2021	20:55	Snipe	1	99	0	0	99	0	improved agricultural grassland, conifer plantation and improved agricultural grassland; flying/call, lost sight of in rain	KW
SN004	VP4	12/04/2021	20:55	Snipe	1	82	0	82	0	0	improved agricultural grassland; flying / calling repeatedly	KW
SN005	VP2	29/09/2021	14:47	Snipe	1	21	0	0	21	0	improved agricultural grassland; flying, west 30m	KW
SN006	VP4	22/10/2021	12:57	Snipe	1	59	0	0	59	0	improved agricultural grassland; flying - flushed by cattle	KW
SN007	VP2	17/11/2021	16:51	Snipe	1	26	26	0	0	0	improved agricultural grassland; circled overhead in twilight	KW
SN008	VP5	13/01/2022	15:21	Snipe	1	14	14	0	0	0	improved agricultural grassland; flying	KW
SN009	VP4	17/11/2025	07:11	Snipe	1	5	0	5	0	0	improved grassland and hedgerows; calling	AR
SN010	VP2	27/11/2025	07:12	Snipe	1	5	0	0	5	0	improved grassland; flying, calling	AR
SN011	VP2	15/01/2026	07:33	Snipe	1	5	3	2	0	0	improved grassland; flushed	AR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
SN012	VP2	15/01/2026	07:46	Snipe	1	5	0	5	0	0	improved grassland; flying, calling	AR
SN013	VP2	15/01/2026	12:41	Snipe	4	20	0	0	20	0	conifer plantation; flying	AR
SN014	VP5	16/01/2026	12:13	Snipe	1	10	0	0	10	0	improved grassland and conifer plantation; flying	AR
SN015	VP2	24/02/2026	12:26	Snipe	2	5	1	2	2	0	improved grassland; flushed	AR
SN016	VP2	24/02/2026	12:28	Snipe	4	5	1	2	2	0	improved grassland; flushed	AR
SN017	VP4	28/02/2026	18:09	Snipe	2	5	0	0	0	0	improved grassland and hedgerows; flying, calling	AR
SN018	VP2	18/04/2026	16:11	Snipe	1	5			5		improved grassland; flying, high over	AR

Table 7 - 4 - 35 Snipe winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SN001	21/10/2021	16:12	Not recorded	Snipe	1	improved agricultural grassland; flushed ()	KW
SN002	18/12/2021	15:18	Not recorded	Snipe	1	improved agricultural grassland; flushed ()	KW
SN003	16/10/2025	12:53	T5	Snipe	3	improved grassland and hedgerows; flushed (wintering)	AR
SN004	16/10/2025	15:26	T8	Snipe	1	improved grassland; flying (wintering)	AR
SN005	24/12/2025	13:41	T5	Snipe	3	improved grassland; flushed (wintering)	AR
SN006	11/01/2026	12:06	T5	Snipe	3	improved grassland; flushed (wintering)	AR
SN007	15/03/2026	13:01	T5	Snipe	3	improved grassland and hedgerows; flushed (wintering)	AR

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SN008	15/03/2026	13:16	T5	Snipe	1	improved grassland; flushed (wintering)	AR

Table 7 - 4 - 36 Snipe breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SN001	23/04/2026	09:11	T5	Snipe	1	improved grassland; flushed (migrating; non-breeding)	AR
SN002	23/04/2026	11:16	T5	Snipe	2	improved grassland; flushed (migrating; non-breeding)	AR

Table 7 - 4 - 37 Snipe waterbird distribution and abundance survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	Horse and Jockey Lake	06/01/2021	15:29	Snipe	12	wet grassland and lakes and ponds; foraging in long grass	SD
SN002	Nuenna Equestrian Centre	15/11/2021	12:10	Snipe	4	mesotrophic lakes; flushed	KW
SN003	Horse and Jockey	27/11/2021	12:15	Snipe	1	turloughs; foraging	KW
SN004	Horse and Jockey	13/12/2021	10:45	Snipe	2	turloughs; foraging	KW
SN005	Nuenna Equestrian Centre	13/12/2021	11:40	Snipe	12	turloughs; flushed	KW
SN006	Nuenna Equestrian Centre	27/12/2021	11:30	Snipe	18	turloughs; flushed	KW
SN007	Nuenna Equestrian Centre	15/01/2022	11:30	Snipe	12	dystrophic lakes; flushed	KW
SN008	Nuenna Equestrian Centre	28/02/2022	12:05	Snipe	6	turloughs; flushed	KW
SN009	The Loughane	10/12/2025	08:30	Snipe	3	improved grassland and hedgerows; roosting, flooded area	AR

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN010	Horse and Jockey - Rathreagh	29/01/2026	09:00	Snipe	4	improved grassland and hedgerows; roosting, flooded area	AR
SN011	The Loughane	29/01/2026	13:19	Snipe	6	improved grassland; foraging, flooded area	AR
SN012	The Loughane	16/02/2026	09:37	Snipe	12	improved grassland and hedgerows; roosting	AR
SN013	Horse and Jockey - Rathreagh	16/02/2026	10:10	Snipe	6	improved grassland and hedgerows; foraging	AR

Table 7 - 4 - 38 Snipe incidental data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	Hen Harrier Roost Survey; Spahill	08/02/2021	17:55	Snipe	1	conifer plantation; flushed as surveyor walked past, flew up and into woods	RT
SN002	Vantage Point Survey; Killoshulan	02/03/2021	06:00	Snipe	1	conifer plantation and improved agricultural grassland; flushed by surveyor	RT
SN003	Hen Harrier Roost Survey; Spahill	11/03/2021	19:40	Snipe	1	improved agricultural grassland; calls audible	SD

1.16 Stock dove

Table 7 - 4 – 39 Stock dove vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
SD001	VP1	24/05/2026	08:10	Stock Dove	3	3	3		0	0	improved grassland and hedgerows; flying/landed	AR
SD002	VP1	11/06/2026	09:30	Stock Dove	1	10	0	0	10	0	improved grassland and hedgerows; flying	AR

Table 7 - 4 - 40 Stock dove winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SD001	10/01/2026	13:20	T3	Stock Dove	2	improved grassland and hedgerows; flying (wintering)	AR
SD002	16/03/2026	11:21	T3	Stock Dove	1	improved grassland and hedgerows; flying (wintering)	AR

Table 7 - 4 – 41 Stock dove breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SD001	22/04/2026	12:47	T7	Stock Dove	1	improved grassland and hedgerows; flying (suitable nesting habitat; possible breeder)	AR
SD002	19/05/2026	08:46	T4	Stock Dove	2	improved grassland and hedgerows; flying (suitable nesting habitat; possible breeder)	AR
SD003	19/05/2026	14:06	T3	Stock Dove	2	improved grassland and hedgerows; flying (suitable nesting habitat; possible breeder)	AR
SD004	28/06/2026	12:29	T1	Stock Dove	4	improved grassland and hedgerows; flying (suitable nesting habitat; possible breeder)	AR

1.17 Swift

Table 7 - 4 – 42 Swift vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
SI001	VP1	14/06/2021	20:02	Swift	8	1977	0	0	1977	0	improved agricultural grassland; flying	KW
SI002	VP5	04/07/2022	11:37	Swift	1	73	73	0	0	0	improved agricultural grassland and conifer plantation; flying	KW
SI003	VP4	06/07/2022	13:02	Swift	1	275	0	64	211	0	improved agricultural grassland and conifer plantation; flying, 40-50m over plantation	KW
SI004	VP4	26/04/2026	17:26	Swift	2	10			10		improved grassland and hedgerows; flying	AR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
SI005	VP5	13/06/2026	15:13	Swift	7	200	0	0	200	0	improved grassland and hedgerows; feeding	AR
SI006	VP5	13/06/2026	17:32	Swift	15	30	0	0	30	0	improved grassland and hedgerows; feeding	AR

Table 7 - 4 – 43 Swift breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SI001	19/05/2026	12:31	T3	Swift	40	improved grassland and conifer plantation; feeding (migrating; non-breeding)	AR
SI002	30/06/2026	11:02	T5	Swift	14	improved grassland; feeding (migrating; non-breeding)	AR

Table 7 - 4 – 44 Swift incidental data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SI001	Breeding Woodcock Survey; BWKT2	23/06/2026	21:16	Swift	2	conifer plantation; flying	JVD

1.18 Woodcock

Table 7 - 4 – 45 Woodcock vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
WK002	VP2	24/02/2026	18:36	Woodcock	1	5	0	5	0	0	improved grassland; flying	AR

Table 7 - 4 - 46 Woodcock breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
WK001	12/07/2022	13:45	Not recorded	Woodcock	1	conifer plantation; alarmed flight, woodcock flushed out of ground floor while walking through dense forestry (suitable nesting habitat; possible breeder)	SOB

Table 7 - 4 – 47 Woodcock incidental data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WK001	Hen Harrier Roost Survey; Spahill	03/03/2021	18:49	Woodcock	2	conifer plantation; flying along track just at dark and alarm at observer	SD
WK002	Hen Harrier Roost Survey; Spahill	04/03/2021	18:43	Woodcock	1	conifer plantation; flying along treeline croaking-calling, then alarms at observer	SD
WK003	Hen Harrier Roost Survey; Spahill	15/12/2021	16:43	Woodcock	1	scrub; flying - dropped into scrub	KW
WK004	Hen Harrier Roost Survey; Spahill	15/12/2021	16:49	Woodcock	2	scrub and conifer plantation; flew northwest over plantation	KW

1.19 Yellowhammer

Table 7 - 4 – 48 Yellowhammer winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
Y.001	25/01/2022	10:38	Not recorded	Yellowhammer	1	hedgerows; perched ()	KW

Table 7 - 4 - 49 Yellowhammer breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
Y.001	17/05/2021	14:16	Not recorded	Yellowhammer	2	improved agricultural grassland; mating, on telegraph pole, T4 (courtship and display; probable breeding)	KW
Y.002	17/05/2021	14:18	Not recorded	Yellowhammer	1	improved agricultural grassland; singing, on telephone wire, T4 (singing male; possible breeder)	KW
Y.003	17/05/2021	17:29	Not recorded	Yellowhammer	1	improved agricultural grassland; singing, on gate, t3 (singing male; possible breeder)	KW
Y.004	23/06/2021	16:15	Not recorded	Yellowhammer	1	improved agricultural grassland; singing (suitable nesting habitat; possible breeder)	KW
Y.005	29/06/2021	19:56	Not recorded	Yellowhammer	1	hedgerows; singing (permanent territory; probable breeding)	KW

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
Y.006	29/06/2021	19:58	Not recorded	Yellowhammer	1	hedgerows; singing (permanent territory; probable breeding)	KW
Y.007	17/07/2021	13:01	Not recorded	Yellowhammer	1	hedgerows; singing, singing male (permanent territory; probable breeding)	KW
Y.008	30/07/2021	15:03	Not recorded	Yellowhammer	1	improved agricultural grassland; flying, male (suitable nesting habitat; possible breeder)	KW
Y.009	24/05/2022	09:46	Not recorded	Yellowhammer	1	hedgerows; singing (suitable nesting habitat; possible breeder)	KW
Y.010	26/06/2022	10:01	Not recorded	Yellowhammer	1	improved agricultural grassland; singing (suitable nesting habitat; possible breeder)	KW
Y.011	30/06/2022	14:28	Not recorded	Yellowhammer	1	improved agricultural grassland; singing (suitable nesting habitat; possible breeder)	KW
Y.012	30/06/2022	14:58	Not recorded	Yellowhammer	1	improved agricultural grassland; singing (suitable nesting habitat; possible breeder)	KW
Y.013	14/07/2022	16:15	Not recorded	Yellowhammer	1	arable crops, hedgerows and improved agricultural grassland; calling, yellowhammer singing next to arable field (singing male; possible breeder)	SOB
Y.014	14/07/2022	16:28	Not recorded	Yellowhammer	1	improved agricultural grassland, hedgerows and arable crops; singing, yellowhammer singing from ga1 field but bc1 nearby (singing male; possible breeder)	SOB
Y.015	14/07/2022	19:11	Not recorded	Yellowhammer	1	improved agricultural grassland, arable crops and hedgerows; singing, yellowhammer singing near bend in transect (singing male; possible breeder)	SOB
Y.016	14/07/2022	19:14	Not recorded	Yellowhammer	1	arable crops and hedgerows; singing, yellowhammer singing (singing male; possible breeder)	SOB
Y.017	14/07/2022	19:20	Not recorded	Yellowhammer	3	hedgerows and arable crops; singing, 3 yellowhammers singing from fields and hedges next to farmhouse at end of transect (suitable nesting habitat; possible breeder)	SOB
Y.018	21/04/2026	11:15	T4	Yellowhammer	1	improved grassland and hedgerows; singing, male (singing male; possible breeder)	AR
Y.019	19/05/2026	08:34	T4	Yellowhammer	1	improved grassland and hedgerows; singing (suitable nesting habitat; possible breeder)	AR
Y.020	19/05/2026	09:11	T4	Yellowhammer	1	improved grassland and hedgerows; singing (suitable nesting habitat; possible breeder)	AR

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
Y.021	27/06/2026	12:26	T4	Yellowhammer	5	improved grassland and hedgerows; feeding (fledged young; confirmed breeding)	AR
Y.022	28/07/2026	07:33	T4	Yellowhammer	1	arable crops and hedgerows; flushed, female (suitable nesting habitat; possible breeder)	JCH
Y.023	28/07/2026	07:37	T4	Yellowhammer	1	hedgerows and arable crops; perching, female (suitable nesting habitat; possible breeder)	JCH
Y.024	28/07/2026	07:57	T4	Yellowhammer	1	hedgerows and improved agricultural grassland; singing, male, heard only. (suitable nesting habitat; possible breeder)	JCH
Y.025	29/07/2026	07:37	T3	Yellowhammer	1	hedgerows; singing, male, heard only. (suitable nesting habitat; possible breeder)	JCH

Table 7 - 4 – 50 Yellowhammer incidental data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
Y.001	Breeding Raptor Survey; BR6b	22/07/2026	14:57	Yellowhammer	2	arable crops and linear woodland/scrub; calling, singing, perching, probably more individuals; present throughout the survey	ZE

1.20 Buzzard

Table 7 - 4 - 51 Buzzard vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ001	VP3	03/11/2020	11:50	Buzzard	1	182	0	12	170	0	dry meadows and grassy verges, conifer plantation and improved agricultural grassland; hunting and soaring thermals	SD
BZ002	VP3	03/11/2020	12:37	Buzzard	1	186	0	42	144	0	conifer plantation; hunting and soaring thermals	SD
BZ003	VP3	03/11/2020	12:39	Buzzard	1	18	0	0	18	0	dry meadows and grassy verges; soaring on thermals	SD
BZ004	VP3	03/11/2020	13:20	Buzzard	1	127	0	28	101	0	improved agricultural grassland; hunting	SD
BZ005	VP1	04/11/2020	12:43	Buzzard	1	58	0	0	58	0	improved agricultural grassland; trying to hunt, but mobbed by rooks	SD

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ006	VP5	16/11/2020	12:50	Buzzard	1	20	20	0	0	0	improved agricultural grassland; flying	ED
BZ007	VP2	22/11/2020	11:35	Buzzard	1	20	0	20	0	0	conifer plantation; flying	ED
BZ008	VP3	23/11/2020	11:42	Buzzard	1	50	0	0	50	0	conifer plantation and improved agricultural grassland; soaring	ED
BZ009	VP3	08/12/2020	11:35	Buzzard	1	9	9	0	0	0	improved agricultural grassland; hunting	SD
BZ010	VP3	08/12/2020	11:37	Buzzard	1	65	46	19	0	0	improved agricultural grassland; hunting	SD
BZ011	VP3	08/12/2020	11:49	Buzzard	1	49	22	27	0	0	improved agricultural grassland; hunting, then perches on fencepost	SD
BZ012	VP3	08/12/2020	12:59	Buzzard	1	21	21	0	0	0	hedgerows and improved agricultural grassland; flying along hedgerow, perches briefly	SD
BZ013	VP3	08/12/2020	13:45	Buzzard	2	240	100	100	40	0	conifer plantation and wet grassland; circling	SD
BZ014	VP3	08/12/2020	14:33	Buzzard	2	39	15	14	0	0	improved agricultural grassland; circling	SD
BZ015	VP3	08/12/2020	14:56	Buzzard	1	180	24	114	42	0	improved agricultural grassland; hunting, strikes in field and lands	SD
BZ016	VP3	08/12/2020	15:29	Buzzard	1	23	6	17	0	0	improved agricultural grassland; mobbed by hooded crow	SD
BZ017	VP3	08/12/2020	16:17	Buzzard	1	39	15	24	0	0	conifer plantation and improved agricultural grassland; flies over and perches in tree	SD
BZ018	VP4	08/12/2020	16:19	Buzzard	1	12	12	0	0	0	conifer plantation and improved agricultural grassland; flies from tree to fencepost	SD
BZ019	VP3	08/12/2020	16:21	Buzzard	1	28	28	0	0	0	improved agricultural grassland; flies north-west, calling	SD
BZ020	VP1	21/01/2021	13:52	Buzzard	1	49	0	0	34	0	improved agricultural grassland; hunting over field onsite then chased by hooded crow and flew south	SD

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ021	VP1	05/02/2021	13:14	Buzzard	1	7	7	0	0	0	hedgerows; chased by corvids and lands in tree	SD
BZ022	VP5	05/02/2021	13:25	Buzzard	1	8	8	0	0	0	hedgerows; displaced by corvids and flies down behind hedge	SD
BZ023	VP5	05/02/2021	13:34	Buzzard	1	-	-	-	-	-	hedgerows; perched in tree	SD
BZ024	VP3	08/02/2021	12:00	Buzzard	1	-	-	-	-	-	hedgerows and conifer plantation; perched in tree	SD
BZ025	VP3	08/02/2021	12:35	Buzzard	1	6	6	0	0	0	hedgerows, conifer plantation and improved agricultural grassland; briefly flies from perch to a new perch	SD
BZ026	VP3	08/02/2021	12:35	Buzzard	1	-	-	-	-	-	hedgerows, conifer plantation and improved agricultural grassland; new perch, trying to shelter from wind	SD
BZ027	VP3	08/02/2021	13:00	Buzzard	2	144	30	104	10	0	improved agricultural grassland and hedgerows; flies out into field but chased by hooded crow. eventually one lands again in tree	SD
BZ028	VP3	08/02/2021	13:03	Buzzard	1	-	-	-	-	-	hedgerows and improved agricultural grassland; perched in tree	SD
BZ030	VP3	08/02/2021	14:10	Buzzard	1	-	-	-	-	-	conifer plantation and improved agricultural grassland; perched	SD
BZ031	VP3	08/02/2021	15:30	Buzzard	1	17	17	0	0	0	hedgerows and dry meadows and grassy verges; foraging, moving from perch to perch and scanning	SD
BZ032	VP3	08/02/2021	15:31	Buzzard	1	-	-	-	-	-	stone walls and other stonework, hedgerows and improved agricultural grassland; lands on ground beside old stone wall, searching - possibly waiting for rodents to emerge	SD
BZ033	VP3	08/02/2021	15:41	Buzzard	1	11	0	11	0	0	improved agricultural grassland; flies low to ground over fields and out of sight	SD
BZ034	VP1	08/02/2021	16:06	Buzzard	1	24	0	24	0	0	improved agricultural grassland and hedgerows; flies over field and lands in tree	SD

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ035	VP2	09/02/2021	15:46	Buzzard	1	208	0	0	140	60	dry meadows and grassy verges and improved agricultural grassland; circling high then flies north	SD
BZ036	VP4	02/03/2021	12:13	Buzzard	1	-	#REF!	-	-	-	improved agricultural grassland and conifer plantation; heard not seen; possibly flying	RT
BZ037	VP2	08/03/2021	10:37	Buzzard	5	353	0	5	203	152	improved agricultural grassland and conifer plantation; soaring, circling and calling; 3 went w after 50 seconds, and another continued e after 298 seconds, all flew at flight height b3 & b4; only buzzard that flew for 353 seconds flew at three flight heights	RT
BZ039	VP3	15/03/2021	08:39	Buzzard	1	-	-	-	-	-	conifer plantation and improved agricultural grassland; heard not seen	RT
BZ040	VP3	15/03/2021	09:35	Buzzard	1	236	3	146	87	0	improved agricultural grassland, conifer plantation and treelines; perched on fence post for 30mins then flew, soaring and calling; flew into a tree at end of flight, joined by 2 other buzzards when flying at 10:05	RT
BZ041	VP3	15/03/2021	10:05	Buzzard	1	15	0	15	0	0	treelines, improved agricultural grassland and conifer plantation; flew from treeline as buzzard at 09:35 approached it	RT
BZ042	VP3	15/03/2021	10:05	Buzzard	1	87	0	7	80	0	conifer plantation and improved agricultural grassland; flew up as buzzard at 09:35 approached; flew southwest out of sight	RT
BZ043	VP3	15/03/2021	11:17	Buzzard	1	312	0	0	150	162	conifer plantation and improved agricultural grassland; being mobbed by 3 hooded crows	RT
BZ044	VP3	15/03/2021	11:27	Buzzard	3	1174	0	319	765	90	conifer plantation and improved agricultural grassland; soaring, being mobbed by hooded crows; one disappeared after 10mins; other 2 landed in same tree at end, 2 in tree possibly breeding pair	RT
BZ045	VP3	15/03/2021	12:02	Buzzard	3	746	45	207	368	126	improved agricultural grassland and conifer plantation; circling, mobbing each other	RT
BZ046	VP3	15/03/2021	12:12	Buzzard	1	126	0	0	94	32	conifer plantation and improved agricultural grassland; soaring	RT

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ047	VP1	16/03/2021	10:14	Buzzard	1	52	0	0	2	50	improved agricultural grassland and scrub; calling (heard before seen), soaring, being mobbed by a crow	RT
BZ048	VP1	16/03/2021	10:21	Buzzard	2	266	0	0	3	263	improved agricultural grassland and scrub; soaring, occasionally being mobbed by hc	RT
BZ049	VP1	16/03/2021	10:38	Buzzard	1	116	0	0	0	116	improved agricultural grassland and conifer plantation; circling with 30 gulls	RT
BZ050	VP1	16/03/2021	10:59	Buzzard	1	1061	0	0	323	738	improved agricultural grassland, conifer plantation and scrub; soaring, hovering, mobbing other buzzards	RT
BZ051	VP1	16/03/2021	11:01	Buzzard	2	575	0	0	464	111	conifer plantation and improved agricultural grassland; soaring	RT
BZ052	VP1	16/03/2021	11:02	Buzzard	2	171	0	0	171	171	improved agricultural grassland; soaring and mobbing buzzard seen at 10:59	RT
BZ053	VP1	16/03/2021	11:24	Buzzard	1	658	16	2	378	262	improved agricultural grassland, conifer plantation and scrub; soaring, hovering, being mobbed by hooded crow, possibly same buzzard from observation at 10:59	RT
BZ054	VP1	16/03/2021	11:57	Buzzard	2	466	0	0	154	312	improved agricultural grassland and scrub; calling, circling, hunting, heard before seen	RT
BZ055	VP1	09/04/2021	14:46	Buzzard	1	141	0	0	141	0	improved agricultural grassland; flying/hunting, 90% gliding	KW
BZ056	VP1	09/04/2021	15:51	Buzzard	1	598	0	0	609	0	improved agricultural grassland; hunting	KW
BZ057	VP1	09/04/2021	16:40	Buzzard	1	907	0	0	907	0	conifer plantation and improved agricultural grassland; soaring/hunting	KW
BZ058	VP1	09/04/2021	16:44	Buzzard	2	338	0	0	338	0	conifer plantation and improved agricultural grassland; soaring	KW
BZ059	VP5	10/04/2021	15:39	Buzzard	1	-	-	-	-	-	conifer plantation; calling	KW
BZ060	VP5	10/04/2021	16:16	Buzzard	1	-	-	-	-	-	conifer plantation; calling	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ061	VP5	10/04/2021	16:18	Buzzard	1	12	12	0	0	0	conifer plantation and improved agricultural grassland; gliding - circled west	KW
BZ062	VP5	10/04/2021	17:06	Buzzard	1	-	-	-	-	-	conifer plantation; calling	KW
BZ063	VP5	10/04/2021	18:53	Buzzard	2	18	18	0	0	0	mixed conifer woodland; flying to sitka	KW
BZ064	VP5	10/04/2021	19:12	Buzzard	1	8	8	0	0	0	conifer plantation; flying into plantation	KW
BZ065	VP4	12/04/2021	15:51	Buzzard	2	151	0	0	151	0	conifer plantation; flying	KW
BZ066	VP3	19/04/2021	15:09	Buzzard	4	441	58	206	177	0	conifer plantation and improved agricultural grassland; soaring/gliding - riding air currents - hanging, drifting	KW
BZ067	VP3	19/04/2021	15:22	Buzzard	2	369	9	36	324	0	conifer plantation and improved agricultural grassland; riding air currents - hanging, drifting	KW
BZ068	VP3	19/04/2021	15:39	Buzzard	2	288	28	43	217	0	conifer plantation and improved agricultural grassland; riding air currents - hanging, drifting	KW
BZ069	VP3	19/04/2021	16:01	Buzzard	2	247	31	25	189	0	conifer plantation and improved agricultural grassland; riding air currents - hanging, drifting	KW
BZ070	VP3	19/04/2021	16:18	Buzzard	2	176	49	127	0	0	conifer plantation and improved agricultural grassland; riding air currents - hanging, drifting	KW
BZ071	VP3	19/04/2021	16:35	Buzzard	1	39	15	24	0	0	conifer plantation and improved agricultural grassland; riding air currents - hanging, drifting	KW
BZ072	VP3	19/04/2021	17:09	Buzzard	1	125	0	125	0	0	conifer plantation and improved agricultural grassland; riding air currents - hanging, drifting	KW
BZ073	VP3	19/04/2021	17:16	Buzzard	2	100	12	88	0	0	conifer plantation and improved agricultural grassland; riding air currents - hanging, drifting	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ074	VP3	19/04/2021	17:19	Buzzard	1	174	33	52	0	0	conifer plantation and improved agricultural grassland; riding air currents - hanging, drifting	KW
BZ075	VP3	19/04/2021	17:51	Buzzard	1	36	36	0	0	0	conifer plantation and improved agricultural grassland; riding air currents - hanging, drifting	KW
BZ076	VP3	19/04/2021	19:24	Buzzard	1	78	21	57	0	0	conifer plantation and improved agricultural grassland; riding air currents - hanging, drifting	KW
BZ077	VP3	19/04/2021	19:30	Buzzard	1	28	28	0	0	0	conifer plantation and improved agricultural grassland; riding air currents - hanging, drifting	KW
BZ078	VP2	20/04/2021	15:08	Buzzard	1	102	0	102	0	0	improved agricultural grassland and conifer plantation; flying	KW
BZ079	VP2	20/04/2021	16:02	Buzzard	1	394	0	0	394	0	improved agricultural grassland and conifer plantation; soaring/rollercoasting	KW
BZ080	VP2	27/05/2021	10:06	Buzzard	1	327	0	0	327	0	improved agricultural grassland and conifer plantation; hunting - slow glide along edge of plantation, hanging on breeze at times slow glide over grassland until bz002 swooped at & harried over plantation	KW
BZ081	VP2	27/05/2021	10:10	Buzzard	1	43	0	0	43	0	improved agricultural grassland and conifer plantation; swooped from above & harried bz001 over plantation & away	KW
BZ082	VP2	15/06/2021	17:16	Buzzard	1	607	0	0	607	0	conifer plantation, improved agricultural grassland and oak-birch-holly woodland; hunting - glide 50m above plantation then grassland long periods hanging in wind, glided down into birch	KW
BZ083	VP2	15/06/2021	18:31	Buzzard	2	228	0	24	204	0	oak-birch-holly woodland, improved agricultural grassland and conifer plantation; flying - both birds flew out of birch circled over grassland, north over sitka, 1 bird continued north, 2nd bird veered back east over plantation	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ084	VP2	15/06/2021	18:35	Buzzard	1	232	0	0	232	0	conifer plantation, improved agricultural grassland and conifer plantation; flying east over plantation then south over grassland & over 2nd plantation	KW
BZ085	VP3	18/06/2021	14:38	Buzzard	1	204	0	4	200	0	improved agricultural grassland and treelines; soaring 100m circled north dived into treeline	KW
BZ086	VP3	18/06/2021	17:27	Buzzard	1	144	0	144	0	0	treelines, improved agricultural grassland and conifer plantation; flew north calling continuously	KW
BZ088	VP1	30/06/2021	11:58	Buzzard	2	381	0	0	0	0	improved agricultural grassland; soaring, adult buzzard pair	KW
BZ090	VP1	30/06/2021	12:01	Buzzard	2	134	0	0	0	0	improved agricultural grassland; soaring, immature adults	KW
BZ091	VP1	30/06/2021	12:05	Buzzard	1	33	0	4	23	6	improved agricultural grassland and conifer plantation; series of dives to plantation below hill	KW
BZ092	VP1	30/06/2021	12:06	Buzzard	3	5	0	0	0	5	improved agricultural grassland; soaring & dive	KW
BZ093	VP1	30/06/2021	12:07	Buzzard	3	16	0	0	16	0	conifer plantation; dive to ride bisecting plantation	KW
BZ094	VP5	23/07/2021	09:06	Buzzard	1	-	-	-	-	-	conifer plantation; calling persistently for circa 5 mins	KW
BZ095	VP5	23/07/2021	09:27	Buzzard	1	-	-	-	-	-	conifer plantation; perched on sitka at edge of plantation	KW
BZ096	VP5	23/07/2021	10:38	Buzzard	1	-	-	-	-	-	conifer plantation; perched/calling, edge of plantation as at bz002	KW
BZ097	VP5	23/07/2021	10:41	Buzzard	1	2	0	2	0	0	conifer plantation; flew northwest into /behind plantation	KW
BZ098	VP5	23/07/2021	10:57	Buzzard	1	41	41	0	0	0	conifer plantation and improved agricultural grassland; flying low out of plantation west over grassland behind treeline	KW
BZ099	VP5	23/07/2021	11:01	Buzzard	1	617	0	84	533	0	improved agricultural grassland; southeast 15m briefly soaring to 50m continued	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
											southeast before soaring for 430+/- secs rising to 150m, continued circling southeast	
BZ100	VP5	23/07/2021	11:15	Buzzard	1	-	-	-	-	-	conifer plantation; calling from sitka briefly as per bz001 location	KW
BZ101	VP3	29/07/2021	11:38	Buzzard	1	241	0	0	241	0	improved agricultural grassland; soaring - circled southwest	KW
BZ102	VP3	29/07/2021	12:33	Buzzard	1	39	0	39	0	0	improved agricultural grassland; flying - harried by hooded crow	KW
BZ103	VP3	29/07/2021	13:37	Buzzard	2	584	0	0	412	172	improved agricultural grassland; soaring/hunting, pair lost in sun at over 500m	KW
BZ104	VP3	29/07/2021	14:00	Buzzard	1	503	0	0	503	0	improved agricultural grassland; soaring/hunting - circled east/se then glided ne/n past plantation, lost in treeline	KW
BZ105	VP3	29/07/2021	14:09	Buzzard	1	391	0	0	391	0	improved agricultural grassland and conifer plantation; soaring/flying - circled then flew northwest	KW
BZ106	VP5	19/08/2021	13:46	Buzzard	1	477	0	34	443	0	improved agricultural grassland, conifer plantation and treelines; flying northwest circled above plantation calling, bz001 dived into treeline, bz002 into plantation, adult pair	KW
BZ107	VP5	19/08/2021	13:47	Buzzard	1	593	0	116	377	0	improved agricultural grassland, conifer plantation and improved agricultural grassland; flying, see notes for bz001	KW
BZ108	VP5	19/08/2021	15:04	Buzzard	1	38	0	38	0	0	treelines and conifer plantation; flew to plantation	KW
BZ109	VP4	25/08/2021	13:35	Buzzard	1	68	0	0	68	0	conifer plantation; briefly soared then dropped back down below planation treeline again	KW
BZ110	VP4	25/08/2021	15:41	Buzzard	1	48	0	0	48	0	conifer plantation and immature woodland; hunting just above treetops circling south	KW
BZ111	VP2	30/08/2021	15:18	Buzzard	1	54	4	7	43	0	treelines, improved agricultural grassland and conifer plantation; flying out of treeline, 2nd buzzard swooped down, both flew over sitka	KW
BZ112	VP2	30/08/2021	15:18	Buzzard	1	51	0	0	51	0	improved agricultural grassland and conifer plantation; flying, as per previous note	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ113	VP2	30/08/2021	15:33	Buzzard	1	81	0	0	81	0	conifer plantation and improved agricultural grassland; soaring 50-100m	KW
BZ114	VP2	30/08/2021	15:35	Buzzard	1	194	0	0	194	0	improved agricultural grassland; soaring - joined bz003 & bz005 soaring	KW
BZ115	VP2	30/08/2021	15:35	Buzzard	2	194	0	0	194	0	improved agricultural grassland; 2 birds joined bz003 & bz004 & 4 birds soared together for 194 secs then went separate ways, bz005 pair departed southwest	KW
BZ116	VP2	30/08/2021	15:38	Buzzard	2	102	0	0	0	102	improved agricultural grassland and conifer plantation; soaring - bz003 & bz004 circling north glided north then east over 200m	KW
BZ117	VP5	02/09/2021	15:07	Buzzard	1	97	0	0	97	0	conifer plantation, improved agricultural grassland and conifer plantation; soared briefly over grassland 50m	KW
BZ118	VP5	02/09/2021	15:19	Buzzard	1	75	9	66	0	0	conifer plantation, improved agricultural grassland and treelines; hunting - glided se, hovered then dropped behind hill	KW
BZ119	VP5	02/09/2021	15:36	Buzzard	1	44	0	44	0	0	conifer plantation, improved agricultural grassland and treelines; flying - circled over grassland, glided back to sitka	KW
BZ120	VP5	02/09/2021	16:49	Buzzard	1	33	0	0	33	0	improved agricultural grassland and treelines; flying west into treeline	KW
BZ121	VP5	02/09/2021	19:20	Buzzard	1	113	113	0	0	0	conifer plantation, improved agricultural grassland and conifer plantation; flying south from one plantation to another	KW
BZ122	VP1	03/09/2021	16:22	Buzzard	1	11	11	0	0	0	improved agricultural grassland; flying towards plantation dropping under hill, adult	KW
BZ123	VP3	28/09/2021	13:48	Buzzard	2	523	0	0	523	0	improved agricultural grassland and conifer plantation; soaring - long periods hanging in breeze	KW
BZ124	VP3	28/09/2021	15:37	Buzzard	1	378	0	378	0	0	improved agricultural grassland and conifer plantation; hunting - hanging on breeze being mobbed by raven	KW
BZ125	VP3	28/09/2021	16:16	Buzzard	1	226	0	35	191	0	improved agricultural grassland; hunting - hanging on breeze mobbed & glided west	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ126	VP3	28/09/2021	16:22	Buzzard	1	561	0	119	342	0	improved agricultural grassland; hunting - soaring spotting prey	KW
BZ127	VP3	28/09/2021	17:36	Buzzard	1	498	0	498	0	0	improved agricultural grassland and conifer plantation; hunting - soaring spotting prey	KW
BZ128	VP5	21/10/2021	11:18	Buzzard	1	48	0	48	0	0	improved agricultural grassland and conifer plantation; flying into plantation	KW
BZ129	VP4	22/10/2021	09:11	Buzzard	1	-	-	-	-	-	conifer plantation; calling	KW
BZ130	VP2	24/10/2021	10:27	Buzzard	1	473	0	0	455	0	conifer plantation and improved agricultural grassland; flying - circled grassland, hanging for long periods	KW
BZ131	VP2	24/10/2021	10:29	Buzzard	1	322	0	0	304	0	conifer plantation and improved agricultural grassland; flying	KW
BZ132	VP2	24/10/2021	12:49	Buzzard	2	98	0	17	81	0	improved agricultural grassland and conifer plantation; soaring, dropped to sitka	KW
BZ133	VP2	24/10/2021	12:51	Buzzard	1	123	0	11	112	0	improved agricultural grassland and conifer plantation; flying, as above	KW
BZ134	VP3	27/10/2021	12:42	Buzzard	1	387	13	253	121	0	conifer plantation and scrub; hunting	KW
BZ135	VP3	27/10/2021	12:44	Buzzard	1	303	0	303	0	0	conifer plantation and scrub; hunting	KW
BZ136	VP1	02/11/2021	13:19	Buzzard	1	169	0	0	154	0	improved agricultural grassland and conifer plantation; hunting, adult	KW
BZ137	VP1	02/11/2021	13:55	Buzzard	1	456	0	0	456	0	improved agricultural grassland; hunting, adult	KW
BZ138	VP3	18/11/2021	11:11	Buzzard	1	176	4	172	0	0	treelines and improved agricultural grassland; hunting	KW
BZ139	VP3	18/11/2021	11:17	Buzzard	1	296	6	290	0	0	conifer plantation and improved agricultural grassland; hunting	KW
BZ140	VP3	18/11/2021	11:44	Buzzard	1	99	0	99	0	0	conifer plantation and improved agricultural grassland; flying	KW
BZ141	VP3	18/11/2021	15:28	Buzzard	1	104	0	0	104	0	scrub; hunting	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ142	VP3	18/11/2021	15:38	Buzzard	1	649	11	128	510	0	improved agricultural grassland; soaring	KW
BZ143	VP3	18/11/2021	15:41	Buzzard	1	1072	21	15	1036	0	improved agricultural grassland; soaring	KW
BZ144	VP3	18/11/2021	16:40	Buzzard	1	527	0	527	0	0	conifer plantation; hunting	KW
BZ145	VP5	14/12/2021	11:11	Buzzard	1	318	59	97	122	0	improved agricultural grassland; flying - joined by 2nd buzzard dropped below hill	KW
BZ146	VP5	14/12/2021	11:15	Buzzard	1	73	0	0	73	0	improved agricultural grassland; soaring, as above	KW
BZ147	VP5	14/12/2021	11:44	Buzzard	1	18	3	15	0	0	improved agricultural grassland; flying - dropped to grassland	KW
BZ148	VP5	14/12/2021	12:51	Buzzard	1	89	5	84	0	0	improved agricultural grassland; flying, joined bz003	KW
BZ149	VP5	14/12/2021	13:16	Buzzard	1	28	28	0	0	0	improved agricultural grassland; flying - disturbed, flew west	KW
BZ150	VP3	20/12/2021	09:59	Buzzard	1	-	-	-	-	-	conifer plantation; calling, called briefly - 30 sec	KW
BZ151	VP3	20/12/2021	12:49	Buzzard	1	23	23	0	0	0	improved agricultural grassland; flying, over hedgerow landing in field	KW
BZ152	VP5	13/01/2022	11:39	Buzzard	1	-	-	-	-	-	improved agricultural grassland; foraging for worms	KW
BZ153	VP5	13/01/2022	12:16	Buzzard	1	45	45	0	0	0	improved agricultural grassland and treelines; flying, into treeline	KW
BZ154	VP5	13/01/2022	14:39	Buzzard	1	39	39	0	0	0	treelines; flying, circling above grassland	KW
BZ155	VP3	25/01/2022	11:59	Buzzard	1	8	8	0	0	0	conifer plantation and improved agricultural grassland; flying, foraging for worms/beetles	KW
BZ156	VP3	25/01/2022	13:58	Buzzard	1	12	12	0	0	0	improved agricultural grassland; flying, flew to fencepost	KW
BZ157	VP1	15/02/2022	12:54	Buzzard	1	187	0	0	187	0	conifer plantation and improved agricultural grassland; hunting	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ158	VP4	17/02/2022	10:56	Buzzard	1	49	0	4	45	0	improved agricultural grassland, conifer plantation and improved agricultural grassland; flying	KW
BZ159	VP2	22/02/2022	12:41	Buzzard	1	704	0	99	605	0	conifer plantation, improved agricultural grassland and conifer plantation; flying, pair	KW
BZ160	VP2	22/02/2022	12:42	Buzzard	1	586	0	0	586	0	conifer plantation, improved agricultural grassland and conifer plantation; flying	KW
BZ161	VP2	22/02/2022	12:55	Buzzard	1	44	0	0	44	0	conifer plantation; flying	KW
BZ162	VP2	22/02/2022	12:55	Buzzard	1	55	0	0	55	0	conifer plantation; flying	KW
BZ163	VP3	23/02/2022	07:26	Buzzard	1	44	0	44	0	0	conifer plantation; flying	KW
BZ164	VP3	23/02/2022	08:19	Buzzard	1	82	0	82	0	0	scrub; flying	KW
BZ165	VP3	23/02/2022	08:21	Buzzard	1	197	0	197	0	0	scrub; flying, mobbed by sparrowhawk dropped into scrub	KW
BZ166	VP3	23/02/2022	08:24	Buzzard	2	634	39	120	147	0	scrub and conifer plantation; flying	KW
BZ167	VP3	23/02/2022	08:41	Buzzard	2	634	0	0	634	0	improved agricultural grassland and scrub; soaring, joined by 3rd buzzard -bz006	KW
BZ168	VP3	23/02/2022	08:44	Buzzard	1	307	0	0	207	0	improved agricultural grassland and scrub; soaring	KW
BZ169	VP3	23/02/2022	09:00	Buzzard	2	338	0	34	304	0	improved agricultural grassland and scrub; soaring	KW
BZ170	VP3	23/02/2022	11:41	Buzzard	2	1841	0	19	1822	0	improved agricultural grassland, conifer plantation and improved agricultural grassland; flying	KW
BZ171	VP3	23/02/2022	11:46	Buzzard	1	2216	0	0	2216	0	improved agricultural grassland, conifer plantation and improved agricultural grassland; flying	KW
BZ172	VP1	21/03/2022	13:41	Buzzard	1	763	0	33	730	0	scrub, improved agricultural grassland and conifer plantation; hunting	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ173	VP1	21/03/2022	14:48	Buzzard	1	448	0	17	431	0	conifer plantation, improved agricultural grassland and conifer plantation; soaring	KW
BZ174	VP1	21/03/2022	14:49	Buzzard	1	404	0	78	326	0	conifer plantation, improved agricultural grassland and conifer plantation; soaring	KW
BZ175	VP1	21/03/2022	15:29	Buzzard	1	381	0	0	381	0	conifer plantation, improved agricultural grassland and conifer plantation; soaring	KW
BZ176	VP1	21/03/2022	16:46	Buzzard	1	53	0	25	28	0	conifer plantation; flying	KW
BZ177	VP1	21/03/2022	17:38	Buzzard	1	78	0	78	0	0	improved agricultural grassland; flying	KW
BZ178	VP1	21/03/2022	17:51	Buzzard	1	235	0	61	174	0	improved agricultural grassland and conifer plantation; flying	KW
BZ179	VP1	21/03/2022	17:52	Buzzard	1	588	0	44	544	0	conifer plantation and improved agricultural grassland; flying	KW
BZ180	VP1	21/03/2022	17:53	Buzzard	1	503	0	11	492	0	conifer plantation and improved agricultural grassland; flying	KW
BZ181	VP5	22/03/2022	14:04	Buzzard	2	173	0	0	173	0	conifer plantation and improved agricultural grassland; flying, hanging in breeze, glided east	KW
BZ182	VP5	22/03/2022	15:42	Buzzard	1	189	0	22	167	0	improved agricultural grassland; hunting	KW
BZ183	VP5	22/03/2022	15:43	Buzzard	2	506	0	0	294	212	improved agricultural grassland and conifer plantation; soaring	KW
BZ184	VP5	22/03/2022	15:45	Buzzard	2	288	0	0	288	0	conifer plantation; soaring	KW
BZ185	VP5	22/03/2022	16:04	Buzzard	1	637	0	0	637	0	conifer plantation; flying	KW
BZ186	VP5	22/03/2022	17:00	Buzzard	5	729	0	0	729	0	conifer plantation, improved agricultural grassland and conifer plantation; soaring	KW
BZ187	VP5	22/03/2022	17:34	Buzzard	1	109	0	0	109	0	conifer plantation; flying, rollercoasting	KW
BZ188	VP5	22/03/2022	17:38	Buzzard	1	83	0	0	83	0	conifer plantation and improved agricultural grassland; flying	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ189	VP4	23/03/2022	14:48	Buzzard	1	286	0	6	279	0	conifer plantation and improved agricultural grassland; hunting, dived behind small line of conifers	KW
BZ190	VP4	23/03/2022	14:48	Buzzard	1	127	0	0	127	0	conifer plantation; hunting, west	KW
BZ191	VP4	23/03/2022	15:35	Buzzard	1	1046	0	0	1046	0	conifer plantation, improved agricultural grassland and conifer plantation; soaring, joined by 2 buzzard (bz004), glided west	KW
BZ192	VP4	23/03/2022	15:39	Buzzard	1	373	0	0	373	0	improved agricultural grassland and conifer plantation; soaring, soared with bz003 then glided south	KW
BZ193	VP4	23/03/2022	17:49	Buzzard	1	264	0	0	264	0	improved agricultural grassland and conifer plantation; hunting, circled east	KW
BZ194	VP2	26/03/2022	14:06	Buzzard	1	546	0	57	489	0	improved agricultural grassland; flying, harassed by buzzard	KW
BZ195	VP2	26/03/2022	14:15	Buzzard	1	33	0	0	33	0	improved agricultural grassland; flying	KW
BZ196	VP2	26/03/2022	14:41	Buzzard	1	121	0	0	121	0	improved agricultural grassland; flying, male	KW
BZ197	VP2	26/03/2022	14:45	Buzzard	3	199	0	0	199	0	conifer plantation; soaring, hanging on breeze	KW
BZ198	VP2	26/03/2022	15:29	Buzzard	2	177	0	0	177	0	improved agricultural grassland and conifer plantation; flying, glided north	KW
BZ199	VP3	28/03/2022	14:39	Buzzard	1	23	23	0	0	0	improved agricultural grassland and treelines; flying, landed in treeline	KW
BZ200	VP3	28/03/2022	14:53	Buzzard	1	53	0	53	0	0	improved agricultural grassland; flying	KW
BZ201	VP3	28/03/2022	16:04	Buzzard	1	64	0	64	0	0	improved agricultural grassland; flying, mobbed by raven	KW
BZ202	VP3	28/03/2022	16:04	Buzzard	1	106	0	38	68	0	improved agricultural grassland; flying	KW
BZ203	VP3	28/03/2022	16:30	Buzzard	1	13	13	0	0	0	improved agricultural grassland and scrub; flying, 1m	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ204	VP3	28/03/2022	16:44	Buzzard	1	167	0	24	143	0	scrub and improved agricultural grassland; hunting	KW
BZ205	VP4	15/04/2022	13:02	Buzzard	1	420	0	0	420	0	conifer plantation and improved agricultural grassland; soaring, buzzard soaring/circling over area of forestry.	TK
BZ206	VP5	15/04/2022	14:03	Buzzard	1	-	-	-	-	-	improved agricultural grassland and hedgerows; perched, perched on a hawthorn tree for approximately 10 minutes	TK
BZ207	VP5	15/04/2022	15:36	Buzzard	1	380	0	0	380	0	improved agricultural grassland and hedgerows; soaring, pair of buzzards soaring over farmland/hunting.	TK
BZ208	VP2	16/04/2022	08:58	Buzzard	2	25	0	5	20	0	conifer plantation and improved agricultural grassland; flying over, pair of buzzards flying over.	TK
BZ209	VP3	16/04/2022	11:15	Buzzard	2	720	0	20	700	0	conifer plantation; soaring, pair of buzzards soaring over conifer woodland	TK
BZ210	VP3	16/04/2022	11:56	Buzzard	1	250	0	20	230	0	conifer plantation and improved agricultural grassland; soaring, buzzard soaring	TK
BZ211	VP1	07/05/2022	19:02	Buzzard	1	432	0	0	432	0	improved agricultural grassland, mixed broadleaved/conifer woodland and conifer plantation; soaring, buzzard soaring/hunting.	TK
BZ212	VP3	12/05/2022	19:11	Buzzard	1	35	0	10	25	0	mixed broadleaved/conifer woodland, improved agricultural grassland and scrub; hunting	TK
BZ213	VP3	12/05/2022	19:23	Buzzard	1	195	0	20	175	0	mixed broadleaved/conifer woodland, improved agricultural grassland and scrub; soaring/hunting	TK
BZ214	VP5	13/05/2022	19:28	Buzzard	1	115	0	0	115	0	improved agricultural grassland; hunting	TK
BZ215	VP5	04/07/2022	12:40	Buzzard	1	49	24	25	0	0	improved agricultural grassland; flying	KW
BZ216	VP5	04/07/2022	14:48	Buzzard	1	28	0	0	28	0	improved agricultural grassland; hunting	KW
BZ217	VP1	05/07/2022	14:31	Buzzard	1	147	0	0	147	0	scrub and improved agricultural grassland; hunting, adult	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ218	VP1	05/07/2022	16:24	Buzzard	1	32	0	0	32	0	improved agricultural grassland; hunting, adult	KW
BZ219	VP1	05/07/2022	16:52	Buzzard	1	729	0	0	729	0	immature woodland; hunting, adult	KW
BZ220	VP4	06/07/2022	13:54	Buzzard	1	197	0	25	172	0	improved agricultural grassland and conifer plantation; flying, rollercoasting over plantation	KW
BZ221	VP2	07/07/2022	12:52	Buzzard	1	14	14	0	0	0	improved agricultural grassland; flying, adult	KW
BZ222	VP2	07/07/2022	18:09	Buzzard	1	17	0	0	17	0	improved agricultural grassland, and immature woodland; flying, adult	KW
BZ224	VP3	14/07/2022	10:18	Buzzard	1	43	0	43	0	0	conifer plantation and improved agricultural grassland; flying, adult out of sitka	KW
BZ225	VP3	14/07/2022	11:11	Buzzard	1	79	0	79	0	0	conifer plantation and improved agricultural grassland; soaring, adult, briefly circled into sitka again	KW
BZ228	VP3	14/07/2022	11:28	Buzzard	1	353	0	47	306	0	improved agricultural grassland and conifer plantation; flying	KW
BZ231	VP3	14/07/2022	15:06	Buzzard	3	426	7	5	414	0	improved agricultural grassland, scrub and improved agricultural grassland; soaring, 2 adult + 1 juvenile, ad dived & knocked 4th buzzard (juvenile) off fence post, 2 birds in air landed on fence posts	KW
BZ232	VP3	14/07/2022	15:14	Buzzard	1	1119	0	0	1119	0	improved agricultural grassland; soaring, 1 adult remained soaring	KW
BZ233	VP3	14/07/2022	15:22	Buzzard	2	456	0	0	456	0	immature woodland and improved agricultural grassland; soaring, dropped to sitka	KW
BZ234	VP5	02/08/2022	12:03	Buzzard	1	225	0	0	225	0	improved agricultural grassland and hedgerows; circling/hunting, buzzard hunting	TK
BZ235	VP5	02/08/2022	12:26	Buzzard	1	-	-	-	-	-	hedgerows and improved agricultural grassland; perched, buzzard perched in hedgerow	TK

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ236	VP5	02/08/2022	12:34	Buzzard	1	25	10	15	0	0	improved agricultural grassland and hedgerows; took flight from hedgerow, buzzard took flight from hedgerow	TK
BZ237	VP5	02/08/2022	14:58	Buzzard	1	45	0	10	35	0	conifer plantation and improved agricultural grassland; hunting, buzzard hunting.	TK
BZ238	VP2	06/08/2022	11:52	Buzzard	2	310	0	0	310	0	improved agricultural grassland and conifer plantation; hunting, 2 buzzards hunting/soaring.	TK
BZ239	VP2	06/08/2022	12:16	Buzzard	1	370	0	0	370	0	improved agricultural grassland and conifer plantation; hunting, buzzard hunting/soaring	TK
BZ240	VP2	06/08/2022	14:48	Buzzard	1	67	0	52	15	0	improved agricultural grassland and scrub; hunting, buzzard hunting.	TK
BZ241	VP3	13/08/2022	10:40	Buzzard	2	350	0	0	350	0	mixed broadleaved/conifer woodland; soaring, 2 buzzards soaring	TK
BZ242	VP3	13/08/2022	11:08	Buzzard	1	85	0	20	65	0	mixed broadleaved/conifer woodland and improved agricultural grassland; hunting, buzzard hunting.	TK
BZ243	VP3	13/08/2022	14:26	Buzzard	2	475	0	0	475	0	mixed broadleaved/conifer woodland and conifer plantation; soaring, buzzard soaring	TK
BZ244	VP3	13/08/2022	15:07	Buzzard	1	45	0	30	15	0	improved agricultural grassland; flying over, buzzard flying over	TK
BZ245	VP4	15/08/2022	11:19	Buzzard	1	320	0	0	320	0	conifer plantation; soaring, buzzard soaring	TK
BZ246	VP3	18/08/2022	14:20	Buzzard	1	295	0	0	295	0	improved agricultural grassland and hedgerows; soaring, buzzard hunting.	TK
BZ247	VP3	18/08/2022	15:23	Buzzard	1	70	0	10	60	0	mixed broadleaved/conifer woodland; hunting, buzzard hunting.	TK
BZ248	VP4	20/08/2022	12:18	Buzzard	1	215	0	0	215	0	improved agricultural grassland and hedgerows; hunting, buzzard hunting	TK
BZ249	VP1	25/08/2022	12:38	Buzzard	1	642	0	42	600	0	conifer plantation and improved agricultural grassland; soaring, buzzard soaring	TK
BZ250	VP3	26/08/2022	11:32	Buzzard	1	318	0	0	318	0	improved agricultural grassland and hedgerows; soaring, buzzard soaring	TK

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ251	VP3	26/08/2022	13:44	Buzzard	1	50	0	15	35	0	mixed broadleaved/conifer woodland and scrub; hunting, buzzard hunting	TK
BZ252	VP5	27/08/2022	11:46	Buzzard	1	290	0	25	265	0	improved agricultural grassland; hunting, buzzard hunting	TK
BZ253	VP5	27/08/2022	12:48	Buzzard	1	312	0	0	282	30	improved agricultural grassland; soaring, buzzard hunting	TK
BZ254	VP4	29/08/2022	13:41	Buzzard	1	685	0	0	685	0	conifer plantation and improved agricultural grassland; soaring, buzzard soaring	TK
BZ255	VP1	02/09/2022	14:41	Buzzard	1	20	0	20	0	0	improved agricultural grassland; flying over, buzzard flying over	TK
BZ256	VP5	03/09/2022	12:01	Buzzard	1	25	0	25	0	0	improved agricultural grassland; flying over, buzzard flying over	TK
BZ257	VP5	03/09/2022	12:26	Buzzard	1	35	0	10	25	0	improved agricultural grassland; flying over, buzzard flying over	TK
BZ258	VP1	22/09/2022	16:07	Buzzard	1	118	0	0	118	0	improved agricultural grassland; flying	KW
BZ259	VP5	24/09/2022	16:17	Buzzard	1	5	5	0	0	0	treelines and hedgerows; flying, adult - brief call	KW
BZ260	VP4	25/09/2022	17:56	Buzzard	1	14	0	14	0	0	conifer plantation, improved agricultural grassland and conifer plantation; hunting	KW
BZ261	VP3	27/09/2022	17:01	Buzzard	1	14	0	14	0	0	improved agricultural grassland and treelines; flying,	KW
BZ262	VP5	17/10/2025	16:51	Buzzard	1	60	10	50	0	0	improved grassland and hedgerows; flying	AR
BZ263	VP5	17/10/2025	17:14	Buzzard	1	300	0	200	100	0	improved grassland; hunting	AR
BZ264	VP5	17/10/2025	18:16	Buzzard	1	10	10	0	0	0	improved grassland and conifer plantation; flying, going to roost	AR
BZ265	VP1	19/10/2025	15:02	Buzzard	1	20	0	20	0	0	conifer plantation; circling	AR
BZ266	VP3	27/10/2025	13:04	Buzzard	1	4	4	0	0	0	improved grassland and hedgerows; flying	AR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ267	VP3	27/10/2025	14:01	Buzzard	1	10	0	0	10	0	conifer plantation; circling	AR
BZ268	VP2	29/10/2025	12:34	Buzzard	1	10	0	10	0	0	conifer plantation; flying	AR
BZ269	VP2	29/10/2025	16:07	Buzzard	1	120	40	60	20	0	improved grassland; hunting	AR
BZ270	VP1	16/11/2025	13:03	Buzzard	1	5	0	5	0	0	conifer plantation and hedgerows; flying	AR
BZ271	VP4	17/11/2025	10:31	Buzzard	1	5	0	0	5	0	improved grassland and hedgerows; circling	AR
BZ272	VP4	17/11/2025	10:39	Buzzard	2	60	0	0	60	0	improved grassland and hedgerows; soaring	AR
BZ273	VP4	17/11/2025	12:22	Buzzard	1	10	0	0	10	0	conifer plantation, improved grassland and hedgerows; flying	AR
BZ274	VP2	27/11/2025	10:03	Buzzard	1	10	10	0	0	0	improved grassland; flying, landing	AR
BZ275	VP3	05/12/2025	14:27	Buzzard	1	15	5	10	0	0	conifer plantation and improved grassland; flying	AR
BZ276	VP4	06/12/2025	15:15	Buzzard	1	5	0	5	0	0	conifer plantation; flying	AR
BZ277	VP4	06/12/2025	15:36	Buzzard	1	15	0	15	0	0	improved grassland and conifer plantation; flying	AR
BZ278	VP1	27/12/2025	12:06	Buzzard	1	60	0	0	60	0	conifer plantation; soaring	AR
BZ279	VP2	30/12/2025	14:21	Buzzard	1	5	0	5	0	0	improved grassland and conifer plantation; flying	AR
BZ280	VP1	13/01/2026	10:14	Buzzard	1	-	-	-	-	-	improved grassland and improved grassland; perching, on telegraph pole	AR
BZ281	VP1	13/01/2026	11:52	Buzzard	1	60	10	50	0	0	improved grassland, hedgerows and conifer plantation; hunting	AR
BZ282	VP1	13/01/2026	12:32	Buzzard	1	30	0	30	0	0	improved grassland, hedgerows and conifer plantation; flying, mobbed by hooded crow	AR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ283	VP1	13/01/2026	12:48	Buzzard	1	20	0	20	0	0	improved grassland and hedgerows; hunting	AR
BZ284	VP1	13/01/2026	13:03	Buzzard	1	10	10	0	0	0	improved grassland and conifer plantation; flying, landing	AR
BZ285	VP2	15/01/2026	10:11	Buzzard	1	5	0	5	0	0	conifer plantation; flying	AR
BZ286	VP5	16/01/2026	09:17	Buzzard	1	10	0	10	0	0	improved grassland and hedgerows; flying	AR
BZ287	VP5	16/01/2026	10:14	Buzzard	1	60	0	0	60	0	improved grassland and hedgerows; soaring	AR
BZ288	VP3	30/01/2026	11:24	Buzzard	1	30	20	10	0	0	improved grassland and hedgerows; flying	AR
BZ289	VP1	23/02/2026	17:09	Buzzard	2	5	0	5	0	0	improved grassland; flying	AR
BZ290	VP2	24/02/2026	14:41	Buzzard	2	60	0	0	60	0	conifer plantation; soaring	AR
BZ291	VP2	24/02/2026	16:32	Buzzard	1	10	10			0	improved grassland and hedgerows; flying	AR
BZ292	VP3	25/02/2026	14:13	Buzzard	1	60	10	10	40	0	improved grassland and conifer plantation; hunting	AR
BZ293	VP3	25/02/2026	14:17	Buzzard	1	5	5	0	0	0	improved grassland and conifer plantation; flying, landing	AR
BZ294	VP4	27/02/2026	13:12	Buzzard	1	40	0	40	0	0	conifer plantation and improved grassland; flying	AR
BZ295	VP4	28/02/2026	15:07	Buzzard	1	15	0	15	0	0	conifer plantation; circling	AR
BZ296	VP4	28/02/2026	17:11	Buzzard	1	20	0	20	5	0	improved grassland and hedgerows; circling	AR
BZ297	VP2	14/03/2026	08:14	Buzzard	1	10	0	10	0	0	conifer plantation; flying	AR
BZ298	VP2	14/03/2026	09:47	Buzzard	1	60	0	0	60	0	improved grassland and conifer plantation; flying	AR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ299	VP2	14/03/2026	10:21	Buzzard	1	10	0	10	0	0	conifer plantation and improved grassland; flying	AR
BZ300	VP2	14/03/2026	11:06	Buzzard	1	20	0	0	20	0	conifer plantation; circling	AR
BZ301	VP2	14/03/2026	11:09	Buzzard	2	60	0	0	60	0	conifer plantation; soaring	AR
BZ302	VP2	14/03/2026	11:21	Buzzard	2	90	0	90	0	0	conifer plantation; circling	AR
BZ303	VP2	14/03/2026	12:07	Buzzard	2	10	0	10	0	0	conifer plantation; flying	AR
BZ304	VP2	14/03/2026	12:09	Buzzard	3	30	0	0	30	0	conifer plantation; soaring	AR
BZ305	VP1	25/03/2026	07:52	Buzzard	1	3	3	0	0	0	conifer plantation; flying	AR
BZ306	VP1	25/03/2026	08:13	Buzzard	1	10	10	0	0	0	conifer plantation; flying, landing, flew into plantation	AR
BZ307	VP1	25/03/2026	09:01	Buzzard	1	20	10	10		0	improved grassland and hedgerows; flying, landing	AR
BZ310	VP5	26/03/2026	10:18	Buzzard	1	5	5	0	0	0	improved grassland and hedgerows; flying, landing	AR
BZ312	VP4	27/03/2026	07:36	Buzzard	1	10	0	10	0	0	improved grassland, hedgerows and conifer plantation; flying	AR
BZ313	VP4	27/03/2026	10:37	Buzzard	2	60	0	0	60	0	improved grassland and hedgerows; soaring	AR
BZ314	VP3	28/03/2026	06:36	Buzzard	1	10	0	10	0	0	conifer plantation; flying	AR
BZ315	VP3	28/03/2026	07:17	Buzzard	1	5	5	0	0	0	improved grassland and hedgerows; flying, landing	AR
BZ316	VP3	28/03/2026	09:41	Buzzard	2	300	50	100	150	0	conifer plantation, improved grassland and hedgerows; hunting	AR
BZ317	VP3	28/03/2026	10:07	Buzzard	3	30	0	10	20	0	improved grassland and hedgerows; soaring	AR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ318	VP3	28/03/2026	10:08	Buzzard	1	20	0	20	0	0	improved grassland; hunting	AR
BZ319	VP3	28/03/2026	10:23	Buzzard	1	10	0	10	0	0	improved grassland and hedgerows; flying	AR
BZ320	VP3	28/03/2026	10:33	Buzzard	1	5	5	0	0	0	improved grassland, hedgerows and conifer plantation; flying, landing	AR
BZ321	VP3	28/03/2026	10:51	Buzzard	4	120	0	30	90	0	improved grassland and hedgerows; soaring, 4birds together	AR
BZ322	VP2	18/04/2026	15:10	Buzzard	1	20		20			conifer plantation; flying	AR
BZ323	VP2	18/04/2026	15:31	Buzzard	1	60		20	40		conifer plantation; soaring	AR
BZ324	VP2	18/04/2026	19:14	Buzzard	1	10	5	5			improved grassland; flying	AR
BZ325	VP5	24/04/2026	19:07	Buzzard	1	30		30			conifer plantation; circling	AR
BZ326	VP1	25/04/2026	15:38	Buzzard	1	60			40	20	conifer plantation and improved grassland; soaring	AR
BZ327	VP1	25/04/2026	16:06	Buzzard	1	5		5			conifer plantation; flying	AR
BZ328	VP1	25/04/2026	16:37	Buzzard	2	60			60		conifer plantation; flying, mobbed by raven	AR
BZ329	VP1	25/04/2026	18:03	Buzzard	1	5		5			conifer plantation and improved grassland; flying	AR
BZ330	VP4	26/04/2026	16:06	Buzzard	1	10	10				conifer plantation and improved grassland; fly/land	AR
BZ331	VP4	26/04/2026	17:07	Buzzard	1	60			60		conifer plantation; soaring	AR
BZ332	VP4	22/05/2026	10:07	Buzzard	1	120	0	80	40	0	conifer plantation; soaring	AR
BZ333	VP4	22/05/2026	11:18	Buzzard	1	15	5	10	0	0	conifer plantation and improved grassland; flying	AR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ334	VP4	22/05/2026	12:03	Buzzard	1	10	0	10	0	0	conifer plantation; flying	AR
BZ335	VP5	23/05/2026	13:39	Buzzard	1	60	0	0	60	0	improved grassland and hedgerows; hunting	AR
BZ336	VP5	23/05/2026	14:17	Buzzard	1	120	0	0	120	0	improved grassland and conifer plantation; hunting	AR
BZ337	VP5	23/05/2026	15:13	Buzzard	1	180	0	0	180	0	improved grassland and hedgerows; soaring, mobbed by hooded crow	AR
BZ338	VP5	23/05/2026	16:57	Buzzard	1	30	0	0	30	0	improved grassland and hedgerows; hunting	AR
BZ339	VP5	23/05/2026	18:02	Buzzard	2	120	0	0	120	0	improved grassland and hedgerows; soaring	AR
BZ340	VP1	24/05/2026	10:38	Buzzard	1	10	0	10	0	0	conifer plantation; circling	AR
BZ341	VP1	24/05/2026	11:26	Buzzard	1	60	0	60	0	0	improved grassland, hedgerows and conifer plantation; flying	AR
BZ342	VP1	24/05/2026	11:27	Buzzard	1	10	0	10	0	0	conifer plantation; flying	AR
BZ343	VP2	25/05/2026	10:52	Buzzard	2	190	0	30	60	60	improved grassland, hedgerows and conifer plantation; soaring	AR
BZ344	VP2	25/05/2026	11:21	Buzzard	1	90	0	60	30	0	improved grassland and hedgerows; hunting	AR
BZ345	VP2	25/05/2026	11:31	Buzzard	2	90	0	90	0	0	improved grassland, conifer plantation and hedgerows; flying/hunting, pair together one bird hunting hillside second bird back over plantation and lost to view	AR
BZ346	VP2	25/05/2026	12:01	Buzzard	1	600	50	400	150	0	improved grassland and hedgerows; hunting	AR
BZ347	VP1	11/06/2026	07:15	Buzzard	1	15	15	0	0	0	improved grassland and hedgerows; flying	AR
BZ348	VP1	11/06/2026	08:09	Buzzard	1	10	0	10	0	0	conifer plantation; circling	AR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
BZ349	VP1	11/06/2026	11:21	Buzzard	1	60	0	0	60	0	conifer plantation; circling	AR
BZ350	VP5	13/06/2026	16:41	Buzzard	1	60	0	0	60	0	improved grassland and hedgerows; soaring	AR
BZ351	VP5	13/06/2026	18:39	Buzzard	1	60	0	0	60	0	improved grassland and hedgerows; soaring	AR
BZ352	VP2	14/06/2026	14:28	Buzzard	1	30	0	30	0	0	improved grassland and conifer plantation; circling	AR
BZ353	VP2	14/06/2026	16:21	Buzzard	2	40	0	0	40	0	conifer plantation and improved grassland; soaring	AR
BZ354	VP2	14/06/2026	17:47	Buzzard	1	300	50	100	150	0	improved grassland; hunting	AR
BZ355	VP2	14/06/2026	18:02	Buzzard	1	100	0	0	100	0	improved grassland and hedgerows; circling	AR
BZ356	VP4	19/06/2026	08:22	Buzzard	1	10	5	5	0	0	improved grassland and conifer plantation; flying	AR
BZ357	VP4	19/06/2026	12:16	Buzzard	1	90	0	30	60	0	improved grassland; circling	AR
BZ358	VP4	19/06/2026	12:37	Buzzard	1	20	0	0	20	0	improved grassland and conifer plantation; circling	AR
BZ359	VP2	02/07/2026	13:14	Buzzard	1	194	0	0	194	0	dry calcareous and neutral grassland; hovering, hunting, calling	JCH
BZ360	VP2	02/07/2026	15:44	Buzzard	1	56	0	2	54	0	conifer plantation; soaring, calling	JCH
BZ361	VP4	15/07/2026	11:08	Buzzard	1	39	0	2	37	0	conifer plantation; flying, soaring	JCH
BZ362	VP4	15/07/2026	14:51	Buzzard	1	62	0	0	62	0	improved agricultural grassland and hedgerows; flying, calling	JCH
BZ363	VP4	15/07/2026	15:03	Buzzard	1	171	0	2	169	0	conifer plantation and improved agricultural grassland; soaring, circling, dropped into conifer plantation	JCH
BZ364	VP5	16/07/2026	10:02	Buzzard	1	340	340	0	0	0	hedgerows and improved agricultural grassland; flying, perching, foraging, briefly	JCH

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
											perched in tree before foraging on ground in field, then perched tree for 3 minutes	
BZ365	VP5	16/07/2026	12:47	Buzzard	1	36	36	0	0	0	hedgerows and improved agricultural grassland; perching, flying, perched on tree for 7.5 minutes before flight	JCH
BZ366	VP2	06/08/2026	11:21	Buzzard	2	204	4	10	140	50	dry calcareous and neutral grassland, improved agricultural grassland and hedgerows; flying, circling, flushed, first bird flushed from vantage point on arrival. second bird joined for last 90 seconds, circling.	JCH
BZ367	VP2	06/08/2026	16:56	Buzzard	1	11	0	4	7	0	conifer plantation; flying	JCH
BZ368	VP2	06/08/2026	17:13	Buzzard	1	8	0	2	6	0	dry calcareous and neutral grassland and hedgerows; flying	JCH
BZ370	VP5	13/08/2026	13:46	Buzzard	1	133	3	10	120	0	improved agricultural grassland and hedgerows; circling	JCH
BZ371	VP5	13/08/2026	14:41	Buzzard	1	173	0	23	150	0	improved agricultural grassland and hedgerows; circling, flying	JCH
BZ372	VP5	13/08/2026	15:56	Buzzard	3	1159	0	0	600	559	improved agricultural grassland, hedgerows and conifer plantation; circling, soaring, calling, hovering	JCH
BZ373	VP1	14/08/2026	14:01	Buzzard	1	65	0	0	65	0	conifer plantation and improved agricultural grassland; circling, soaring, dropped into conifer plantation.	JCH
BZ374	VP1	14/08/2026	17:10	Buzzard	1	122	0	0	122	0	conifer plantation and dry calcareous and neutral grassland; hovering, hunting	JCH
BZ375	VP2	20/08/2026	15:32	Buzzard	1	90	0	10	80	0	dry calcareous and neutral grassland and conifer plantation; flying	JCH
BZ376	VP4	21/08/2026	11:41	Buzzard	1	39	0	0	39	0	improved agricultural grassland and conifer plantation; flying	JCH

Table 7 - 4 - 52 Buzzard winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ001	15/01/2021	12:51	Not recorded	Buzzard	1	Not recorded	SD
BZ003	18/03/2021	14:05	Not recorded	Buzzard	1	Not recorded	SD
BZ004	18/03/2021	16:38	Not recorded	Buzzard	1	Not recorded	SD
BZ005	19/03/2021	12:34	Not recorded	Buzzard	1	Not recorded	SD
BZ006	19/03/2021	14:48	Not recorded	Buzzard	1	Not recorded	SD
BZ007	18/10/2021	11:15	Not recorded	Buzzard	1	improved agricultural grassland; hunting	KW
BZ008	22/10/2021	15:51	Not recorded	Buzzard	1	improved agricultural grassland; flying	KW
BZ009	25/01/2022	09:44	Not recorded	Buzzard	1	treelines; perched	KW
BZ010	19/02/2022	14:47	Not recorded	Buzzard	1	improved agricultural grassland; hunting	KW
BZ011	21/02/2022	14:21	Not recorded	Buzzard	1	improved agricultural grassland; hunting, glided northeast	KW
BZ012	22/02/2022	15:00	Not recorded	Buzzard	1	scrub; hunting	KW
BZ013	23/02/2022	14:59	Not recorded	Buzzard	2	improved agricultural grassland; hunting	KW
BZ014	13/10/2025	11:09	T4	Buzzard	1	improved grassland and hedgerows; flushed (wintering)	AR
BZ015	16/10/2025	09:13	T8	Buzzard	1	conifer plantation; calling, inside plantation (wintering)	AR
BZ016	16/10/2025	15:07	T8	Buzzard	1	improved grassland; perching, flying, adult (wintering)	AR

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ017	23/12/2025	10:53	T4	Buzzard	2	improved grassland and hedgerows; soaring, two birds together (wintering)	AR
BZ018	23/12/2025	12:11	T3	Buzzard	1	improved grassland and hedgerows; soaring (wintering)	AR
BZ019	24/12/2025	13:09	T6	Buzzard	1	conifer plantation; flying (wintering)	AR
BZ020	10/01/2026	10:36	T4	Buzzard	1	improved grassland and hedgerows; flying (wintering)	AR
BZ021	10/01/2026	11:17	T3	Buzzard	2	improved grassland, hedgerows and conifer plantation; soaring (wintering)	AR
BZ022	10/01/2026	13:10	T2	Buzzard	1	improved grassland and conifer plantation; circling (wintering)	AR
BZ023	11/01/2026	09:17	T8	Buzzard	1	conifer plantation; flying (wintering)	AR
BZ024	11/01/2026	13:04	T5	Buzzard	2	conifer plantation and improved grassland; soaring (wintering)	AR
BZ025	11/01/2026	13:11	T7	Buzzard	1	improved grassland; flying (wintering)	AR
BZ026	15/03/2026	13:09	T5	Buzzard	1	improved grassland; circling (wintering)	AR
BZ027	16/03/2026	08:43	T1	Buzzard	1	improved grassland and hedgerows; flying (wintering)	AR
BZ028	16/03/2026	10:22	T4	Buzzard	1	improved grassland and hedgerows; flying (wintering)	AR
BZ029	16/03/2026	13:51	T2	Buzzard	1	conifer plantation; circling (wintering)	AR

Table 7 - 4 - 53 Buzzard breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ001	26/04/2021	10:03	Not recorded	Buzzard	2	improved agricultural grassland, mixed conifer woodland and treelines; aggressive flight, quick descent alarm calling agitated aggressive manner towards hooded crow x 2, dropped behind treeline adjacent to house/rookery.	KW

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
						empty nest in treeline adjacent to house opposite rookery although small for buzzard - birds were possibly closer to woodland when they descended (agitated behaviour; probable breeding)	
BZ002	26/04/2021	10:07	Not recorded	Buzzard	1	improved agricultural grassland; perched, perched on telegraph pole (summering; non-breeding)	KW
BZ003	26/04/2021	10:21	Not recorded	Buzzard	1	improved agricultural grassland; flying, flying east (flyover; non-breeding)	KW
BZ004	26/04/2021	10:24	Not recorded	Buzzard	1	improved agricultural grassland; flying, flying east (flyover; non-breeding)	KW
BZ005	26/04/2021	10:27	Not recorded	Buzzard	1	mixed broadleaved woodland and improved agricultural grassland; soaring, soaring adjacent to woodland & rookery (flyover; non-breeding)	KW
BZ006	26/04/2021	12:05	Not recorded	Buzzard	1	mixed broadleaved woodland and improved agricultural grassland; flying, dropped towards woodland below hillside (suitable nesting habitat; possible breeder)	KW
BZ007	26/04/2021	13:22	Not recorded	Buzzard	1	improved agricultural grassland; soaring, circling grassland (suitable nesting habitat; possible breeder)	KW
BZ008	26/04/2021	15:05	Not recorded	Buzzard	1	improved agricultural grassland; soaring, soaring for 20 mins drifted se (suitable nesting habitat; possible breeder)	KW
BZ009	26/04/2021	15:45	Not recorded	Buzzard	2	conifer plantation; soaring, soaring 150-200m (suitable nesting habitat; possible breeder)	KW
BZ010	27/04/2021	10:15	Not recorded	Buzzard	1	conifer plantation and improved agricultural grassland; hunting, hunting, hovering, hanging on breeze (flyover; non-breeding)	KW
BZ011	27/04/2021	10:29	Not recorded	Buzzard	1	improved agricultural grassland; flying, hanging on breeze, landed on telegraph pole (flyover; non-breeding)	KW
BZ012	27/04/2021	14:59	Not recorded	Buzzard	1	conifer plantation; hunting, circled n/ne (suitable nesting habitat; possible breeder)	KW
BZ013	28/04/2021	10:55	Not recorded	Buzzard	1	mixed broadleaved/conifer woodland; h, dropped & perched in woodland (suitable nesting habitat; possible breeder)	KW
BZ014	28/04/2021	13:04	Not recorded	Buzzard	1	treelines; calling, called but unseen (suitable nesting habitat; possible breeder)	KW
BZ016	23/06/2021	14:23	Not recorded	Buzzard	1	improved agricultural grassland; soaring (suitable nesting habitat; possible breeder)	KW

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ017	25/06/2021	15:19	Not recorded	Buzzard	1	treelines; flying between trees (suitable nesting habitat; possible breeder)	KW
BZ019	25/06/2021	16:57	Not recorded	Buzzard	1	conifer plantation and improved agricultural grassland; flying from small grove to larger grove (suitable nesting habitat; possible breeder)	KW
BZ020	25/06/2021	18:11	Not recorded	Buzzard	1	improved agricultural grassland; hunting (suitable nesting habitat; possible breeder)	KW
BZ021	29/06/2021	20:09	Not recorded	Buzzard	1	improved agricultural grassland and conifer plantation; flying, flew into sitka (suitable nesting habitat; possible breeder)	KW
BZ022	13/04/2022	12:39	Not recorded	Buzzard	1	highly modified/non-native woodland, treelines and improved agricultural grassland; flight. perched. preening, buzzard flew to perch on a tree, then dived down from the perch to another perch, was later seen at the second perch site on a line of larch trees, buzzard tail feathers had a slightly orange colour. (suitable nesting habitat; possible breeder)	SOB
BZ023	20/04/2022	09:18	Not recorded	Buzzard	1	improved agricultural grassland; flying, flew north (suitable nesting habitat; possible breeder)	KW
BZ024	23/04/2022	10:13	Not recorded	Buzzard	1	improved agricultural grassland; hunting (suitable nesting habitat; possible breeder)	KW
BZ026	14/05/2022	10:58	Not recorded	Buzzard	1	improved agricultural grassland; flying, (T8) (suitable nesting habitat; possible breeder)	KW
BZ027	14/05/2022	14:18	Not recorded	Buzzard	1	conifer plantation; flying, (T5) flushed from perch in sitka (suitable nesting habitat; possible breeder)	KW
BZ028	14/05/2022	15:51	Not recorded	Buzzard	1	immature woodland and improved agricultural grassland; hunting, (T2) calling - answered by bz002 (suitable nesting habitat; possible breeder)	KW
BZ029	14/05/2022	16:03	Not recorded	Buzzard	1	treelines; calling, adult calling from line of beech trees (suitable nesting habitat; possible breeder)	KW
BZ030	23/05/2022	10:53	Not recorded	Buzzard	1	treelines; flushed, flushed from corpse whilst walking to transect (suitable nesting habitat; possible breeder)	KW
BZ031	23/05/2022	11:56	Not recorded	Buzzard	1	improved agricultural grassland, conifer plantation and treelines; soaring, circled e/se then dived, possible female into nest area (suitable nesting habitat; possible breeder)	KW
BZ032	23/05/2022	14:30	Not recorded	Buzzard	1	immature woodland and improved agricultural grassland; hunting, northwards/north & west of T1 (suitable nesting habitat; possible breeder)	KW

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ033	16/06/2022	18:49	Not recorded	Buzzard	1	immature woodland and improved agricultural grassland; hunting (suitable nesting habitat; possible breeder)	KW
BZ034	26/06/2022	13:44	Not recorded	Buzzard	1	conifer plantation and improved agricultural grassland; soaring, flew north (suitable nesting habitat; possible breeder)	KW
BZ035	30/06/2022	14:29	Not recorded	Buzzard	1	improved agricultural grassland; flying (suitable nesting habitat; possible breeder)	KW
BZ036	30/06/2022	14:40	Not recorded	Buzzard	1	treelines; perched (suitable nesting habitat; possible breeder)	KW
BZ037	30/06/2022	15:09	Not recorded	Buzzard	1	improved agricultural grassland and conifer plantation; soaring (suitable nesting habitat; possible breeder)	KW
BZ038	30/06/2022	17:28	Not recorded	Buzzard	1	improved agricultural grassland and immature woodland; hunting, hovering over scrub (suitable nesting habitat; possible breeder)	KW
BZ039	12/07/2022	12:42	Not recorded	Buzzard	1	conifer plantation and improved agricultural grassland; soaring. evading being mobbed., bz emerged over woodland, mobbed by swallows and kestrel, then went out of view (suitable nesting habitat; possible breeder)	SOB
BZ040	12/07/2022	16:20	Not recorded	Buzzard	1	hedgerows, conifer plantation and improved agricultural grassland; flight, buzzard flew from one perch to another from hedgerow to tree at forest edge (suitable nesting habitat; possible breeder)	SOB
BZ041	12/07/2022	18:04	Not recorded	Buzzard	1	improved agricultural grassland and stone walls and other stonework; soaring, buzzard soaring high over farmland to west of parking location then flew further west (suitable nesting habitat; possible breeder)	SOB
BZ042	12/07/2022	18:04	Not recorded	Buzzard	1	improved agricultural grassland; flight, buzzard flying low over hillside lest than 5m, s of radio tower heading west. at same time another buzzard soaring back and forth ns over forestry (suitable nesting habitat; possible breeder)	SOB
BZ043	12/07/2022	18:04	Not recorded	Buzzard	1	conifer plantation; soaring, scanning, buzzard flying back and forth north and south over forestry while the other buzzard over farmland on hillside (suitable nesting habitat; possible breeder)	SOB
BZ044	12/07/2022	18:19	Not recorded	Buzzard	1	improved agricultural grassland, dry calcareous and neutral grassland and siliceous scree and loose rock; flight, buzzard flew from forestry, over near radio tower and out of view (suitable nesting habitat; possible breeder)	SOB
BZ045	12/07/2022	19:02	Not recorded	Buzzard	1	improved agricultural grassland, stone walls and other stonework and exposed calcareous rock; soaring, buzzard soaring over hillside to southwest of radio tower (suitable nesting habitat; possible breeder)	SOB
BZ046	13/07/2022	12:27	Not recorded	Buzzard	1	improved agricultural grassland, conifer plantation and scrub; soaring. marking out territory, buzzard flew up from hillside as other buzzard was soaring in	SOB

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
						circles, west of radio tower, this buzzard soared east of the radio tower, then went further w after other buzzard went out of view (permanent territory; probable breeding)	
BZ047	13/07/2022	12:27	Not recorded	Buzzard	1	improved agricultural grassland; soaring, buzzard soaring west of radio tower as other buzzard was seen soaring (permanent territory; probable breeding)	SOB
BZ048	13/07/2022	14:14	Not recorded	Buzzard	1	highly modified/non-native woodland and improved agricultural grassland; perched. evading being mobbed, buzzard flew from perch over hill, being mobbed by crows (suitable nesting habitat; possible breeder)	SOB
BZ049	13/07/2022	14:16	Not recorded	Buzzard	1	scrub, improved agricultural grassland and highly modified/non-native woodland; hunting, hovering, buzzard hovering over spa hill (suitable nesting habitat; possible breeder)	SOB
BZ050	13/07/2022	14:22	Not recorded	Buzzard	2	scrub and improved agricultural grassland; territorial dispute, buzzard with orangey tail flew to other buzzard and they fought over spa hill heading west (permanent territory; probable breeding)	SOB
BZ051	13/07/2022	15:15	Not recorded	Buzzard	1	improved agricultural grassland, treelines and hedgerows; soaring, buzzard soaring high over fields beyond castle (suitable nesting habitat; possible breeder)	SOB
BZ052	13/07/2022	15:53	Not recorded	Buzzard	1	hedgerows and improved agricultural grassland; calling. flight, buzzard calling making a high pitched kee kee call, a little higher than normal mewing sound. flying along laneway (suitable nesting habitat; possible breeder)	SOB
BZ053	13/07/2022	15:54	Not recorded	Buzzard	2	hedgerows and improved agricultural grassland; flight. calling, 2 bz flying around the same spot going back and forth between shrubs and path (suitable nesting habitat; possible breeder)	SOB
BZ054	13/07/2022	16:05	Not recorded	Buzzard	1	improved agricultural grassland, conifer plantation and hedgerows; calling. flight. hovering. soaring., buzzard making same call and flying to top left corner of fields soaring and hovering went out of sight over forestry (suitable nesting habitat; possible breeder)	SOB
BZ055	13/07/2022	16:05	Not recorded	Buzzard	1	conifer plantation and mixed broadleaved/conifer woodland; flight. perched. calling, buzzard flew over forestry from east side of field, heading west to perch on a tall oak tree. calling. (suitable nesting habitat; possible breeder)	SOB
BZ056	13/07/2022	16:19	Not recorded	Buzzard	1	improved agricultural grassland, treelines and hedgerows; territorial display, one of two buzzards, this buzzard came from the south of the field flying east to west, other buzzard flew up from perch, both buzzard soaring around each other in close proximity but never fighting, this buzzard flew west out of view (permanent territory; probable breeding)	SOB

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ057	13/07/2022	16:19	Not recorded	Buzzard	1	conifer plantation, improved agricultural grassland and treelines; territorial display, this buzzard was the constantly calling high pitched buzzard that was perched on oak tree. when it saw other buzzard entering field to s, this buzzard flew up and started soaring near the other buzzard calling, this buzzard flew n as the other buzzard split of west. (permanent territory; probable breeding)	SOB
BZ058	13/07/2022	16:24	Not recorded	Buzzard	1	treelines and improved agricultural grassland; soaring. flight. mewing., mewing (lower pitched compared to other buzzard) came from west flew over field, circled around then headed west again. (permanent territory; probable breeding)	SOB
BZ059	14/07/2022	16:33	Not recorded	Buzzard	1	improved agricultural grassland, arable crops and conifer plantation; soaring. mewing., buzzard flew up from forestry to west of path, mewing and soaring high over farmland, flew over the path circling around. (suitable nesting habitat; possible breeder)	SOB
BZ060	21/04/2026	08:11	T3	Buzzard	1	improved grassland and hedgerows; flying (suitable nesting habitat; possible breeder)	AR
BZ061	21/04/2026	11:13	T4	Buzzard	2	improved grassland and hedgerows; soaring (suitable nesting habitat; possible breeder)	AR
BZ062	21/04/2026	12:07	T4	Buzzard	1	improved grassland, hedgerows and conifer plantation; flying/landed (suitable nesting habitat; possible breeder)	AR
BZ063	22/04/2026	12:36	T7	Buzzard	1	improved grassland and hedgerows; soaring (suitable nesting habitat; possible breeder)	AR
BZ064	23/04/2026	07:29	T5	Buzzard	1	conifer plantation; calling, inside plantation (suitable nesting habitat; possible breeder)	AR
BZ065	23/04/2026	10:47	T5	Buzzard	1	conifer plantation; soaring (suitable nesting habitat; possible breeder)	AR
BZ066	23/04/2026	12:13	T5	Buzzard	1	improved grassland, hedgerows and conifer plantation; fly/land (suitable nesting habitat; possible breeder)	AR
BZ067	23/04/2026	12:52	T5	Buzzard	2	improved grassland and hedgerows; soaring, two birds together (suitable nesting habitat; possible breeder)	AR
BZ068	16/05/2026	11:52	T5	Buzzard	1	improved grassland and hedgerows; circling (suitable nesting habitat; possible breeder)	AR
BZ069	16/05/2026	13:41	T5	Buzzard	1	conifer plantation; soaring (suitable nesting habitat; possible breeder)	AR

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ070	17/05/2026	10:06	T7	Buzzard	1	improved grassland and hedgerows; circling (suitable nesting habitat; possible breeder)	AR
BZ071	17/05/2026	12:04	T1	Buzzard	1	improved grassland and conifer plantation; circling (suitable nesting habitat; possible breeder)	AR
BZ072	17/05/2026	13:37	T1	Buzzard	1	conifer plantation; soaring (suitable nesting habitat; possible breeder)	AR
BZ073	17/05/2026	14:46	T1	Buzzard	1	improved grassland and hedgerows; soaring (suitable nesting habitat; possible breeder)	AR
BZ074	19/05/2026	10:06	T4	Buzzard	1	improved grassland, hedgerows and conifer plantation; circling (suitable nesting habitat; possible breeder)	AR
BZ075	19/05/2026	12:11	T3	Buzzard	1	conifer plantation; soaring (suitable nesting habitat; possible breeder)	AR
BZ076	27/06/2026	11:04	T3	Buzzard	1	conifer plantation and improved grassland; flushed (suitable nesting habitat; possible breeder)	AR
BZ077	27/06/2026	12:14	T4	Buzzard	1	improved grassland and hedgerows; circling (suitable nesting habitat; possible breeder)	AR
BZ078	27/06/2026	13:16	T4	Buzzard	1	improved grassland and hedgerows; flying (suitable nesting habitat; possible breeder)	AR
BZ079	30/06/2026	11:17	T5	Buzzard	1	improved grassland; soaring (suitable nesting habitat; possible breeder)	AR
BZ080	28/07/2026	06:29	T7	Buzzard	1	improved agricultural grassland and hedgerows; flying (suitable nesting habitat; possible breeder)	JCH
BZ081	28/07/2026	09:45	T3	Buzzard	1	improved agricultural grassland; hovering (suitable nesting habitat; possible breeder)	JCH
BZ082	28/07/2026	10:13	T3	Buzzard	1	improved agricultural grassland and hedgerows; circling, soaring (suitable nesting habitat; possible breeder)	JCH
BZ083	29/07/2026	06:02	T3	Buzzard	1	recently-felled woodland and improved agricultural grassland; circling, flying (suitable nesting habitat; possible breeder)	JCH
BZ084	29/07/2026	10:52	T1	Buzzard	1	improved agricultural grassland and conifer plantation; flushed, flying, flew into conifer plantation. (suitable nesting habitat; possible breeder)	JCH
BZ085	30/07/2026	08:17	T5	Buzzard	1	conifer plantation; flushed (suitable nesting habitat; possible breeder)	JCH

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ086	30/07/2026	08:32	T5	Buzzard	1	recently-felled woodland and conifer plantation; flying (suitable nesting habitat; possible breeder)	JCH
BZ087	30/07/2026	08:52	T5	Buzzard	1	improved agricultural grassland and hedgerows; mobbed, circling, calling, mobbed by rooks. begging call heard (suitable nesting habitat; possible breeder)	JCH

Table 7 - 4 - 54 Buzzard breeding raptor survey data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ001	BR6B	13/04/2021	10:05	Buzzard	1	improved agricultural grassland, perched, 1-hour vantage point - initial scoping out	suitable nesting habitat; possible breeder	KW
BZ002	BR6B	13/04/2021	10:38	Buzzard	2	mixed conifer woodland, soaring, 1 bird dropped back to plantation. 2nd glided ne	pair; probable breeding	KW
BZ003	BR6B	13/04/2021	10:57	Buzzard	2	improved agricultural grassland, soaring, soaring together	pair; probable breeding	KW
BZ004	BR5	13/04/2021	11:46	Buzzard	1	conifer plantation, soaring, soared & dropped back to plantation	suitable nesting habitat; possible breeder	KW
BZ005	BR4	13/04/2021	12:05	Buzzard	2	conifer plantation, soaring, soared for 23 mins drifted west	pair; probable breeding	KW
BZ006	BR1	13/04/2021	14:33	Buzzard	1	improved agricultural grassland, flying, dropped below hill	flyover; non-breeding	KW
BZ007	BR2	29/04/2021	10:40	Buzzard	1	mixed broadleaved/conifer woodland and improved agricultural grassland, soaring / hunting, circled out of woodland & glided south	suitable nesting habitat; possible breeder	KW
BZ008	BR2	29/04/2021	10:42	Buzzard	1	mixed broadleaved/conifer woodland and improved agricultural grassland, soaring, soaring above woodland & grassland	suitable nesting habitat; possible breeder	KW
BZ009	BR2	29/04/2021	10:49	Buzzard	2	improved agricultural grassland, soaring, 2 buzzard soaring with some territorial/antagonistic behaviour	suitable nesting habitat; possible breeder	KW
BZ010	BR2	29/04/2021	10:51	Buzzard	3	improved agricultural grassland, soaring, bird at observations bz003 joined briefly by birds at observations bz002	suitable nesting habitat; possible breeder	KW
BZ011	BR2	29/04/2021	10:52	Buzzard	2	improved agricultural grassland, flying/glide, 2 buzzard flew ne with one appearing to chase off other	suitable nesting habitat; possible breeder	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ012	BR2	29/04/2021	10:52	Buzzard	1	mixed broadleaved/conifer woodland, soaring, single buzzard soared for further 15 mins then dropped back into woodland	suitable nesting habitat; possible breeder	KW
BZ013	BR1	29/04/2021	13:12	Buzzard	1	improved agricultural grassland and treelines, soaring, bz001 & bz002 possible pair - assumed male dropped below hillside, assumed female dropped into small grove of conifers	pair; probable breeding	KW
BZ014	BR1	29/04/2021	13:12	Buzzard	1	improved agricultural grassland, soaring, see bz001 note	pair; probable breeding	KW
BZ015	BR1	29/04/2021	13:32	Buzzard	2	improved agricultural grassland and conifer plantation, soaring / territorial, 2 buzzard circling with frequent antagonistic coming together	suitable nesting habitat; possible breeder	KW
BZ016	BR1	29/04/2021	13:33	Buzzard	1	improved agricultural grassland and treelines, soaring, soared with buzzard at obs'bz005 then circled back & glided into conifer grove	suitable nesting habitat; possible breeder	KW
BZ017	BR3B	29/04/2021	14:57	Buzzard	1	improved agricultural grassland, hunting, dived to ground	flyover; non-breeding	KW
BZ018	BR3B	29/04/2021	15:03	Buzzard	1	improved agricultural grassland and mixed broadleaved/conifer woodland, flying, flew into woodland	suitable nesting habitat; possible breeder	KW
BZ019	BR3B	29/04/2021	16:07	Buzzard	1	mixed broadleaved woodland, soaring, soaring over woodland several calls	suitable nesting habitat; possible breeder	KW
BZ020	BR3B	29/04/2021	16:12	Buzzard	1	improved agricultural grassland and mixed broadleaved woodland, flying, flew & joined bz003 soaring together for 6 mins	suitable nesting habitat; possible breeder	KW
BZ021	BR3B	29/04/2021	16:20	Buzzard	2	mixed broadleaved woodland, flying, birds weaved through the woodland together	probable nest site; probable breeding	KW
BZ022	BR3B	29/04/2021	16:24	Buzzard	1	mixed broadleaved woodland and improved agricultural grassland, flying, out of woodland southwest over grassland	suitable nesting habitat; possible breeder	KW
BZ023	BR6B	30/04/2021	12:49	Buzzard	1	conifer plantation and improved agricultural grassland, soaring/flying, 2 buzzard flew out of plantation soared together with bird at 50m dropping below hill into treeline & 2nd buzzard glided north west	suitable nesting habitat; possible breeder	KW
BZ024	BR4	30/04/2021	15:07	Buzzard	1	conifer plantation and improved agricultural grassland, flying, 2 buzzard pair soaring together 1.5k west of raptor vantage point soaring above plantation	suitable nesting habitat; possible breeder	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ025	BR1	25/05/2021	12:13	Buzzard	1	improved agricultural grassland and conifer plantation, flying, immature adult mobbed by 2 hooded crow flew east over plantation	flyover; non-breeding	KW
BZ026	BR1	25/05/2021	13:04	Buzzard	1	conifer plantation and improved agricultural grassland, soaring, soared over plantation to 200m gradually drifted south then west out of view (20 mins above plantation)	permanent territory; probable breeding	KW
BZ027	BR1	25/05/2021	13:21	Buzzard	1	conifer plantation and improved agricultural grassland, soaring, soared to 50m above plantation then west 50m over grassland, then drifted east over plantation dipping from view	permanent territory; probable breeding	KW
BZ028	BR1	25/05/2021	13:41	Buzzard	1	conifer plantation, soaring, soared north over plantation then glided down out of view into plantation (roadway through plantation)	permanent territory; probable breeding	KW
BZ029	BR1	25/05/2021	14:09	Buzzard	1	improved agricultural grassland, hunting, on hillside	flyover; non-breeding	KW
BZ030	BR3B	26/05/2021	12:16	Buzzard	1	conifer plantation and improved agricultural grassland, soaring, glided n 100m	suitable nesting habitat; possible breeder	KW
BZ031	BR3B	26/05/2021	12:16	Buzzard	1	conifer plantation, soaring, dropped into plantation below 50m	suitable nesting habitat; possible breeder	KW
BZ032	BR3B	26/05/2021	12:41	Buzzard	1	conifer plantation, soaring, above plantation then dived back into sitka 40m	suitable nesting habitat; possible breeder	KW
BZ033	BR3B	26/05/2021	12:44	Buzzard	1	improved agricultural grassland, conifer plantation and improved agricultural grassland, soaring, picked up circling south 150m above bz003 long descending glide for 700m east northeast dipping out of view	suitable nesting habitat; possible breeder	KW
BZ034	BR3B	26/05/2021	14:09	Buzzard	1	improved agricultural grassland, soaring, circled southwest 50m	suitable nesting habitat; possible breeder	KW
BZ035	BR3B	26/05/2021	14:09	Buzzard	1	improved agricultural grassland, soaring, circled w 150m	suitable nesting habitat; possible breeder	KW
BZ036	BR5	29/05/2021	14:45	Buzzard	1	improved agricultural grassland and treelines, soaring, glided down into treeline 50m	suitable nesting habitat; possible breeder	KW
BZ037	BR5	29/05/2021	14:45	Buzzard	1	improved agricultural grassland, treelines and improved agricultural grassland, soaring, soared west then circled back east out of view 150m	suitable nesting habitat; possible breeder	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ038	BR5	29/05/2021	16:16	Buzzard	1	improved agricultural grassland, soaring, circled above treeline 50m joined by bz004 circled for several minutes then both birds glided into treeline	suitable nesting habitat; possible breeder	KW
BZ039	BR5	29/05/2021	16:16	Buzzard	1	improved agricultural grassland and treelines, soaring, circled with bz003 then dropped into treeline	suitable nesting habitat; possible breeder	KW
BZ040	BR5	29/05/2021	16:20	Buzzard	1	improved agricultural grassland, soaring, circled west	suitable nesting habitat; possible breeder	KW
BZ041	BR5	29/05/2021	16:21	Buzzard	1	improved agricultural grassland, soaring, circled south then west	suitable nesting habitat; possible breeder	KW
BZ042	BR5	29/05/2021	16:31	Buzzard	1	improved agricultural grassland, soaring, circled east at 50m behind castle out of view	suitable nesting habitat; possible breeder	KW
BZ043	BR5	29/05/2021	16:31	Buzzard	1	improved agricultural grassland, soaring, circled east 80m behind castle/treeline out of view	suitable nesting habitat; possible breeder	KW
BZ044	BR5	29/05/2021	16:53	Buzzard	1	improved agricultural grassland and conifer plantation, soaring, 30-40m glided into plantation	suitable nesting habitat; possible breeder	KW
BZ045	BR5	29/05/2021	16:53	Buzzard	1	improved agricultural grassland and conifer plantation, soaring, followed bz009 into plantation	suitable nesting habitat; possible breeder	KW
BZ046	BR4	18/06/2021	11:31	Buzzard	4	improved agricultural grassland, soaring, soaring at 300m calling - probable pair + last yrs juveniles	suitable nesting habitat; possible breeder	KW
BZ047	BR4	18/06/2021	11:41	Buzzard	2	improved agricultural grassland, soaring, 2 buzzard of 4 at obs'vtion1 (juveniles) glided away south	suitable nesting habitat; possible breeder	KW
BZ048	BR4	18/06/2021	11:42	Buzzard	1	improved agricultural grassland, flying, probable pair - larger female performed series of rollercoaster dives then long descending glide into plantation	suitable nesting habitat; possible breeder	KW
BZ049	BR4	18/06/2021	11:42	Buzzard	1	improved agricultural grassland, flying, as above - male followed suit before veering ne to soar over grassland	suitable nesting habitat; possible breeder	KW
BZ050	BR4	18/06/2021	11:44	Buzzard	1	improved agricultural grassland, soaring, above quarry circled west	suitable nesting habitat; possible breeder	KW
BZ051	BR4	18/06/2021	11:55	Buzzard	1	improved agricultural grassland, hunting, hovered above track next to hedgerow glided north	suitable nesting habitat; possible breeder	KW
BZ052	BR4	18/06/2021	12:31	Buzzard	1	conifer plantation and improved agricultural grassland, soaring/hunting, circling above plantation & grassland long glide southwest circled briefly then glided south	suitable nesting habitat; possible breeder	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ053	BR1	28/06/2021	14:48	Buzzard	2	conifer plantation and improved agricultural grassland, soaring, soared & glided north to above 500m then back south dropping in glide to 100m then dropped below hill	suitable nesting habitat; possible breeder	KW
BZ054	BR1	28/06/2021	15:53	Buzzard	1	improved agricultural grassland, soaring/flying, circled east 150m then long descending glide into row of conifers below cairn	suitable nesting habitat; possible breeder	KW
BZ055	BR1	28/06/2021	16:35	Buzzard	1	improved agricultural grassland, hunting, circled west	suitable nesting habitat; possible breeder	KW
BZ056	BR5	29/06/2021	14:48	Buzzard	1	treelines and improved agricultural grassland, soaring, flew west from treeline soaring southwest of plantation	suitable nesting habitat; possible breeder	KW
BZ057	BR3B	29/06/2021	16:44	Buzzard	1	conifer plantation and improved agricultural grassland, soaring, soared above sitka plantation calling then glided southeast 7 began soaring with 2nd buzzard	suitable nesting habitat; possible breeder	KW
BZ058	BR3B	29/06/2021	16:51	Buzzard	2	conifer plantation, soaring, soaring as per observation bz001	suitable nesting habitat; possible breeder	KW
BZ059	BR3B	29/06/2021	16:54	Buzzard	2	improved agricultural grassland and conifer plantation, soaring, glided northwest soared above sitka - 1 buzzard dropped below oak/beech treeline - 2nd buzzard see observation bz004	suitable nesting habitat; possible breeder	KW
BZ060	BR3B	29/06/2021	16:57	Buzzard	1	improved agricultural grassland, soaring, continued to soar northeast (joined for 3 mins circling by k)	suitable nesting habitat; possible breeder	KW
BZ061	BR3B	29/06/2021	17:04	Buzzard	1	conifer plantation and improved agricultural grassland, soaring, soared above sitka then glided west	suitable nesting habitat; possible breeder	KW
BZ062	BR1	13/07/2021	12:06	Buzzard	1	conifer plantation, soaring, briefly soared above plantation (100 secs) then dropped back in	suitable nesting habitat; possible breeder	KW
BZ063	BR1	13/07/2021	12:31	Buzzard	2	improved agricultural grassland, soaring / hunting, soaring, dropped below hill	suitable nesting habitat; possible breeder	KW
BZ064	BR1	13/07/2021	13:36	Buzzard	2	improved agricultural grassland and conifer plantation, soaring, buzzard pair soared east / se then long glide over plantation with larger female dropping in & male away east	suitable nesting habitat; possible breeder	KW
BZ065	BR1	13/07/2021	13:41	Buzzard	1	conifer plantation, flying, male away east over plantation	suitable nesting habitat; possible breeder	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ066	BR1	13/07/2021	13:48	Buzzard	2	conifer plantation, flying, out from plantation low towards grove with 1 buzzard (prob. female) perching in sitka grove and 2nd buzzard away west	suitable nesting habitat; possible breeder	KW
BZ067	BR1	13/07/2021	13:56	Buzzard	1	hedgerows and improved agricultural grassland, flying, immature adult (i.e. juvenile) south along edge of plantation then glided west landing in thorn bush	suitable nesting habitat; possible breeder	KW
BZ068	BR5	22/07/2021	09:25	Buzzard	1	treelines, improved agricultural grassland and conifer plantation, hunting, low flight 10m landed in sitka plantation after brief flight	suitable nesting habitat; possible breeder	KW
BZ069	BR6B	22/07/2021	12:34	Buzzard	1	hedgerows, improved agricultural grassland and hedgerows, soaring, soared west dropped into treeline	suitable nesting habitat; possible breeder	KW
BZ070	BR6B	22/07/2021	12:47	Buzzard	1	improved agricultural grassland, hunting, male hunting	suitable nesting habitat; possible breeder	KW
BZ071	BR1	20/04/2022	12:19	Buzzard	2	improved agricultural grassland, soaring, 4 buzzard, possibly 2 pairs or pair with 2 subadults from previous years breeding, with 1 bird dived below hill	suitable nesting habitat; possible breeder	KW
BZ072	BR1	20/04/2022	12:19	Buzzard	2	improved agricultural grassland, soaring, remaining 3 buzzard, 1 large female + 2 smaller buzzard continued to soar higher going west	suitable nesting habitat; possible breeder	KW
BZ073	BR1	20/04/2022	14:55	Buzzard	2	improved agricultural grassland and conifer plantation, flying, east into plantation	suitable nesting habitat; possible breeder	KW
BZ074	BR1	20/04/2022	15:14	Buzzard	1	conifer plantation and improved agricultural grassland, flying, soared out of plantation, flew to small grove	suitable nesting habitat; possible breeder	KW
BZ075	BR4	22/04/2022	11:46	Buzzard	1	improved agricultural grassland and improved agricultural grassland, hunting, drifted west northwest, circled grassland adjacent to farmyard, glided south	suitable nesting habitat; possible breeder	KW
BZ076	BR3B	22/04/2022	14:09	Buzzard	2	improved agricultural grassland, flying, buzzard flying north joined by buzzard flying up from treeline below, antagonistic behaviour from 1st buzzard towards second buzzard rising to meet it, possible sub-adult form previous years breeding	suitable nesting habitat; possible breeder	KW
BZ077	BR3B	22/04/2022	14:15	Buzzard	1	treelines, improved agricultural grassland and treelines, flying, after being driven off by bz001 - reverted back to treeline	suitable nesting habitat; possible breeder	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ078	BR2	23/04/2022	11:43	Buzzard	2	improved agricultural grassland, soaring, looked a pair, larger female + male soared together, smaller male went north, larger female back east	pair; probable breeding	KW
BZ079	BR2	23/04/2022	11:59	Buzzard	1	improved agricultural grassland, soaring, larger female - part of pair bz001 glided back east and went into stooping dive	pair; probable breeding	KW
BZ080	BR5	23/04/2022	14:49	Buzzard	1	improved agricultural grassland and treelines, flying, harassed into treeline by 5 hooded crow	suitable nesting habitat; possible breeder	KW
BZ081	BR5	23/04/2022	15:35	Buzzard	1	improved agricultural grassland, hunting, dived + missed target, flew to hedgerow & perched	suitable nesting habitat; possible breeder	KW
BZ082	BR5	23/04/2022	15:47	Buzzard	1	improved agricultural grassland, hunting, flying east, hen harrier picked up outside 2k - see note	suitable nesting habitat; possible breeder	KW
BZ083	BR5	23/04/2022	16:03	Buzzard	3	improved agricultural grassland and treelines, soaring, 3 buzzard soaring at perimeter of 2km radius - glided south outside 2k	suitable nesting habitat; possible breeder	KW
BZ084	BR5	23/04/2022	16:59	Buzzard	1	improved agricultural grassland and conifer plantation, flying, flew into sitka	suitable nesting habitat; possible breeder	KW
BZ085	BR5	23/04/2022	17:00	Buzzard	1	improved agricultural grassland, flying, circled then glided down onto grassland	suitable nesting habitat; possible breeder	KW
BZ086	BR6	26/04/2022	14:53	Buzzard	1	improved agricultural grassland, hunting, dropped to grassland	suitable nesting habitat; possible breeder	KW
BZ087	BR6	26/04/2022	15:57	Buzzard	1	scrub and improved agricultural grassland, soaring, flew southwest & soared, joined by bz003 - both birds flew west	suitable nesting habitat; possible breeder	KW
BZ088	BR6	26/04/2022	15:58	Buzzard	1	improved agricultural grassland, soaring, flightline showing antagonistic behaviour from pair (bz002) to bz004	suitable nesting habitat; possible breeder	KW
BZ089	BR6	26/04/2022	15:58	Buzzard	1	improved agricultural grassland, flying, joined pair at flightline bz003, driven off and landed on thorn bush	suitable nesting habitat; possible breeder	KW
BZ090	BR6	26/04/2022	16:21	Buzzard	1	improved agricultural grassland and conifer plantation, flying, largest of buzzard (female?) circled sitka plantation, then dropped onto large deciduous before flying into / through sitka plantation	suitable nesting habitat; possible breeder	KW
BZ091	BR4	20/05/2022	12:11	Buzzard	1	treelines and improved agricultural grassland, flying, out of treeline - flew west	suitable nesting habitat; possible breeder	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ092	BR3B	20/05/2022	12:46	Buzzard	1	improved agricultural grassland, hunting, dropped/glided behind sitka plantation	suitable nesting habitat; possible breeder	KW
BZ093	BR3B	20/05/2022	13:56	Buzzard	1	improved agricultural grassland, flying	suitable nesting habitat; possible breeder	KW
BZ094	BR3B	20/05/2022	13:59	Buzzard	1	improved agricultural grassland, flying	suitable nesting habitat; possible breeder	KW
BZ095	BR3B	20/05/2022	14:03	Buzzard	1	improved agricultural grassland, conifer plantation and treelines, soaring, outside 2k	suitable nesting habitat; possible breeder	KW
BZ096	BR3B	20/05/2022	14:36	Buzzard	1	improved agricultural grassland, flying	suitable nesting habitat; possible breeder	KW
BZ097	BR6	24/05/2022	10:49	Buzzard	1	treelines and improved agricultural grassland, soaring, soared out from treeline to meet bz002, also joined by bz003 - all birds went extremely high, glided northwest, lost sight if	suitable nesting habitat; possible breeder	KW
BZ098	BR6	24/05/2022	10:51	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW
BZ099	BR6	24/05/2022	10:53	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW
BZ100	BR6	24/05/2022	12:01	Buzzard	1	treelines and improved agricultural grassland, soaring, out from treeline, glided southeast, lost sight of in thundershower	suitable nesting habitat; possible breeder	KW
BZ101	BR2	24/05/2022	14:08	Buzzard	1	treelines, conifer plantation and improved agricultural grassland, soaring, up from beech trees, soared & then flew west	suitable nesting habitat; possible breeder	KW
BZ102	BR2	24/05/2022	15:11	Buzzard	1	treelines, soaring, up from small corpse of beech, dropped back in again	suitable nesting habitat; possible breeder	KW
BZ103	BR1	25/05/2022	08:38	Buzzard	1	improved agricultural grassland and improved agricultural grassland, hunting, along edge of plantation	suitable nesting habitat; possible breeder	KW
BZ104	BR1	25/05/2022	10:53	Buzzard	1	improved agricultural grassland, hunting, dropped below hill	suitable nesting habitat; possible breeder	KW
BZ105	BR5	25/05/2022	12:53	Buzzard	1	improved agricultural grassland and immature woodland, flying/hunting, hovered and dropped behind treeline	suitable nesting habitat; possible breeder	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ106	BR5	25/05/2022	13:11	Buzzard	1	improved agricultural grassland, flying, sub-adult buzzard glided behind treeline	summering; non-breeding	KW
BZ107	BR5	25/05/2022	13:13	Buzzard	1	improved agricultural grassland and treelines, flying, back out from behind treeline, flew southeast	summering; non-breeding	KW
BZ108	BR5	25/05/2022	13:51	Buzzard	1	improved agricultural grassland, flying, sub-adult driven south by adult	summering; non-breeding	KW
BZ109	BR5	25/05/2022	13:51	Buzzard	1	improved agricultural grassland, flying, adult buzzard drives off bz004 & flies west	suitable nesting habitat; possible breeder	KW
BZ110	BR5	25/05/2022	13:52	Buzzard	1	improved agricultural grassland, flying, large buzzard (prob female) circled & flew east	suitable nesting habitat; possible breeder	KW
BZ111	BR2	03/06/2022	20:13	Buzzard	1	conifer plantation, soaring	suitable nesting habitat; possible breeder	CB
BZ112	BR2	03/06/2022	20:34	Buzzard	1	conifer plantation, hunting, attempted hovering	suitable nesting habitat; possible breeder	CB
BZ113	BR5	15/06/2022	18:35	Buzzard	1	improved agricultural grassland, soaring, briefly mobbed by jackdaws, brvp5	suitable nesting habitat; possible breeder	CB
BZ114	BR5	15/06/2022	19:12	Buzzard	1	improved agricultural grassland and conifer plantation, soaring, stooped to descend to perch in top of conifer tree, potentially in nest, brvp5	suitable nesting habitat; possible breeder	CB
BZ116	BR5	15/06/2022	20:12	Buzzard	1	improved agricultural grassland, travelling, brvp5	suitable nesting habitat; possible breeder	CB
BZ117	BR5	15/06/2022	20:38	Buzzard	1	improved agricultural grassland, travelling, brvp5	suitable nesting habitat; possible breeder	CB
BZ118	BR4	17/06/2022	18:52	Buzzard	1	improved agricultural grassland, perched, stayed perched in the top of conifer tree for ~10 mins	probable nest site; probable breeding	CB
BZ119	BR4	17/06/2022	19:13	Buzzard	2	improved agricultural grassland, perched, both perched on same electricity pole, first moved on to perch in top of conifer tree and remained for a significant amount of time, second eventually took off travelling west	pair; probable breeding	CB
BZ120	BR4	17/06/2022	19:17	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	CB
BZ121	BR4	17/06/2022	19:28	Buzzard	1	improved agricultural grassland and conifer plantation, hunting, soaring and hovering	suitable nesting habitat; possible breeder	CB

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ122	BR4	17/06/2022	20:09	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	CB
BZ123	BR4	17/06/2022	20:14	Buzzard	1	improved agricultural grassland, perched, first bird from earlier pair had been perched in original tree for ~50mins eventually took off, mobbed by rooks returned to perch on earlier conifer tree	probable nest site; probable breeding	CB
BZ124	BR4	17/06/2022	20:44	Buzzard	1	improved agricultural grassland, briefly took off from perch, almost immediately returned	probable nest site; probable breeding	CB
BZ125	BR3B	24/06/2022	18:31	Buzzard	1	conifer plantation, soaring, brvp3b	suitable nesting habitat; possible breeder	CB
BZ126	BR3B	24/06/2022	18:40	Buzzard	1	conifer plantation, soaring, brvp3b	suitable nesting habitat; possible breeder	CB
BZ127	BR6	30/06/2022	19:00	Buzzard	1	improved agricultural grassland and hedgerows, travelling, brvp6b	flyover; non-breeding	CB
BZ128	BR1	05/07/2022	12:24	Buzzard	1	improved agricultural grassland, hunting, hovering	suitable nesting habitat; possible breeder	KW
BZ129	BR1	05/07/2022	13:26	Buzzard	1	conifer plantation and improved agricultural grassland, hunting, northwest over hillside	suitable nesting habitat; possible breeder	KW
BZ130	BR5	06/07/2022	08:58	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ131	BR5	06/07/2022	09:21	Buzzard	2	improved agricultural grassland and conifer plantation, hunting, 2 sub adult	summering; non-breeding	KW
BZ132	BR5	06/07/2022	09:25	Buzzard	2	conifer plantation and improved agricultural grassland, hunting, as above	summering; non-breeding	KW
BZ133	BR4	07/07/2022	10:39	Buzzard	1	improved agricultural grassland, flying, adult	suitable nesting habitat; possible breeder	KW
BZ134	BR4	07/07/2022	10:58	Buzzard	1	improved agricultural grassland, hunting, adult	suitable nesting habitat; possible breeder	KW
BZ135	BR4	07/07/2022	11:11	Buzzard	1	improved agricultural grassland, hunting, dive	suitable nesting habitat; possible breeder	KW
BZ136	BR4	07/07/2022	11:26	Buzzard	1	improved agricultural grassland, provisioning, adult	summering; non-breeding	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ138	BR2	12/07/2022	10:27	Buzzard	1	improved agricultural grassland, hunting, adult	suitable nesting habitat; possible breeder	KW
BZ139	BR6	13/07/2022	10:57	Buzzard	1	improved agricultural grassland, soaring, adult, dropped to thorn bush	suitable nesting habitat; possible breeder	KW
BZ140	BR3B	15/07/2022	17:51	Buzzard	1	improved agricultural grassland and treelines, soaring, soaring near castle, back to sitka plantation, 2nd buzzard joined	pair; probable breeding	KW
BZ141	BR3B	15/07/2022	17:59	Buzzard	1	improved agricultural grassland and treelines, soaring, soared with bz001, then dived to deciduous treeline. this pair previously seen diving to beech trees on hill outside buffer	pair; probable breeding	KW
BZ142	BR4	24/04/2026	12:19	Buzzard	1	improved grassland, hunting	suitable nesting habitat; possible breeder	AR
BZ143	BR1	25/04/2026	12:43	Buzzard	1	conifer plantation, soaring	suitable nesting habitat; possible breeder	AR
BZ144	BR5	26/04/2026	12:17	Buzzard	2	highly modified/non-native woodland, improved grassland and hedgerows, soaring	pair; probable breeding	AR
BZ145	BR5	26/04/2026	13:06	Buzzard	1	improved grassland and hedgerows, flying	flyover; non-breeding	AR
BZ146	BR5	26/04/2026	13:24	Buzzard	1	improved grassland and hedgerows, flying	suitable nesting habitat; possible breeder	AR
BZ147	BR5	26/04/2026	14:07	Buzzard	1	conifer plantation, improved grassland and hedgerows, hunting	suitable nesting habitat; possible breeder	AR
BZ148	BR6b	27/04/2026	16:22	Buzzard	1	highly modified/non-native woodland and improved grassland, soaring	suitable nesting habitat; possible breeder	AR
BZ149	BR6b	27/04/2026	17:27	Buzzard	1	improved grassland and hedgerows, flying	suitable nesting habitat; possible breeder	AR
BZ150	BR5	17/05/2026	16:17	Buzzard	1	improved grassland and hedgerows, circling	suitable nesting habitat; possible breeder	AR
BZ151	BR5	17/05/2026	17:23	Buzzard	1	conifer plantation and improved grassland, hunting	suitable nesting habitat; possible breeder	AR
BZ152	BR6b	22/05/2026	13:26	Buzzard	1	improved grassland and hedgerows, gliding	suitable nesting habitat; possible breeder	AR

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ153	BR6b	22/05/2026	14:17	Buzzard	1	improved grassland, highly modified/non-native woodland and hedgerows, soaring	suitable nesting habitat; possible breeder	AR
BZ154	BR6b	22/05/2026	15:09	Buzzard	1	improved grassland and hedgerows, flying	suitable nesting habitat; possible breeder	AR
BZ155	BR4	24/05/2026	12:36	Buzzard	1	improved grassland and hedgerows, hunting	suitable nesting habitat; possible breeder	AR
BZ156	BR1	14/06/2026	11:33	Buzzard	1	conifer plantation, soaring	suitable nesting habitat; possible breeder	AR
BZ157	BR5	16/06/2026	08:15	Buzzard	1	improved grassland and hedgerows, flying	suitable nesting habitat; possible breeder	AR
BZ158	BR6b	16/06/2026	11:06	Buzzard	1	conifer plantation, soaring	suitable nesting habitat; possible breeder	AR
BZ159	BR6b	16/06/2026	12:17	Buzzard	1	improved grassland and hedgerows, soaring	suitable nesting habitat; possible breeder	AR
BZ160	BR3b	16/06/2026	14:07	Buzzard	1	improved grassland and hedgerows, hunting	suitable nesting habitat; possible breeder	AR
BZ161	BR3b	16/06/2026	15:36	Buzzard	2	improved grassland, hedgerows and conifer plantation, hunting	pair; probable breeding	AR
BZ163	BR6	22/07/2026	13:45	Buzzard	1	improved agricultural grassland, linear woodland/scrub and conifer plantation, flying, hunting	suitable nesting habitat; possible breeder	ZE
BZ165	BR6	22/07/2026	15:13	Buzzard	1	highly modified/non-native woodland, improved agricultural grassland and arable crops, flying, soaring, mobbed, appeared from the same area than before; after gaining some hight the bird was chased by a rook and then travelled north over the hill	suitable nesting habitat; possible breeder	ZE
BZ168	BR1	17/07/2026	14:05	Buzzard	1	dry meadows and grassy verges, flying, mobbed, mobbed by two hooded crows.	suitable nesting habitat; possible breeder	JCH
BZ169	BR2	17/07/2026	14:51	Buzzard	1	improved agricultural grassland and hedgerows, mobbed, mobbed by peregrines.	suitable nesting habitat; possible breeder	JCH
BZ170	BR3	21/07/2026	11:52	Buzzard	1	improved agricultural grassland and hedgerows, circling	suitable nesting habitat; possible breeder	JCH
BZ171	BR3	21/07/2026	12:47	Buzzard	4	improved agricultural grassland and hedgerows, soaring, calling	suitable nesting habitat; possible breeder	JCH

Table 7 - 4 - 55 Buzzard incidental data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ001	Hen Harrier Roost Survey; Spahill	23/10/2020	17:45	Buzzard	1	conifer plantation and improved agricultural grassland; roosting	ED
BZ002	Hen Harrier Roost Survey; Spahill	29/10/2020	16:10	Buzzard	1	conifer plantation and improved agricultural grassland; soaring	ED
BZ003	Hen Harrier Roost Survey; Foyle North	16/11/2020	14:52	Buzzard	1	conifer plantation and improved agricultural grassland; flying, location labelled as VPb on survey map	ED
BZ004	Hen Harrier Roost Survey; Spahill	23/11/2020	15:42	Buzzard	1	conifer plantation and improved agricultural grassland; soaring, location labelled as VPd on survey map	ED
BZ005	Wildfowl Distribution Survey; Horse and Jockey	27/11/2020	15:59	Buzzard	1	wet grassland; on fencepost beside lake waterbird roost	SD
BZ006	Wildfowl Distribution Survey; Horse and Jockey	18/12/2020	15:55	Buzzard	1	lakes and ponds; perched on fencepost at waterbird roost	SD
BZ007	Wildfowl Distribution Survey; River Nore	22/01/2021	13:48	Buzzard	1	improved agricultural grassland; flying low over field	SD
BZ008	Wildfowl Distribution Survey; River Nore	10/02/2021	13:08	Buzzard	1	improved agricultural grassland; perched in tree then flies	SD
BZ009	Wildfowl Distribution Survey; Horse and Jockey	10/02/2021	15:10	Buzzard	1	hedgerows; flying	SD
BZ010	Hen Harrier Roost Survey; Spahill	15/02/2021	16:34	Buzzard	2	conifer plantation and improved agricultural grassland; flying east & stopping to hover sometimes	RT
BZ011	Hen Harrier Roost Survey; Spahill	15/02/2021	17:28	Buzzard	1	conifer plantation; flying & hovering	RT
BZ012	Wildfowl Distribution Survey; River Nore	22/02/2021	11:21	Buzzard	1	improved agricultural grassland; flew into tree, perched there for a minute, then chased by a rook	RT
BZ013	Hen Harrier Roost Survey; Spahill	04/03/2021	18:22	Buzzard	1	conifer plantation; flying south over plantation just after sunset	SD
BZ014	Wildfowl Distribution Survey; River Nore	09/03/2021	13:40	Buzzard	2	improved agricultural grassland; circling and mobbed by rooks	SD
BZ015	Vantage Point Survey; Frankford	16/03/2021	12:15	Buzzard	3	improved agricultural grassland and scrub; calling & circling, heard & seen just before leaving site	RT

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ016	Wildfowl Distribution Survey; Horse and Jockey	24/03/2021	13:09	Buzzard	1	improved agricultural grassland; foraging in the grass	SD
BZ017	Wildfowl Distribution Survey; River Nore	24/03/2021	16:05	Buzzard	1	treelines; perched in tree, then flies	SD
BZ018	Breeding Woodcock Survey; Killoshulan	28/06/2021	21:51	Buzzard	1	conifer plantation and improved agricultural grassland; flying - flushed from perch in sitka	KW
BZ019	Hen Harrier Roost Survey; Spahill	15/12/2021	17:06	Buzzard	1	scrub and conifer plantation; flew east	KW
BZ020	Wildfowl Distribution Survey; River Nore	19/05/2022	17:15	Buzzard	1	improved agricultural grassland; travelling	CB
BZ021	Breeding Woodcock Survey; Killoshulan	19/05/2022	20:39	Buzzard	1	conifer plantation; flushed	CB
BZ022	Breeding Woodcock Survey; Killoshulan	19/05/2022	20:46	Buzzard	1	conifer plantation; travelling	CB
BZ023	Breeding Woodcock Survey; Killoshulan	08/06/2022	20:54	Buzzard	1	improved agricultural grassland; hunting - flying low across the field	CB
BZ024	Breeding Woodcock Survey; Killoshulan	08/06/2022	21:55	Buzzard	1	conifer plantation; travelling	DW
BZ025	Breeding Woodcock Survey; Killoshulan	08/06/2022	22:11	Buzzard	1	conifer plantation; emerging low from trees	DW
BZ026	Breeding Woodcock Survey; Balief	17/06/2022	21:41	Buzzard	1	conifer plantation; flushed from perch	CB
BZ027	Breeding Walkover Survey; Ballycuddihy	13/07/2022	11:47	Buzzard	1	arable crops and improved agricultural grassland; flew from perch on stone wall over farmland while on way to survey	SOB
BZ028	Vantage Point Survey; VP1	16/11/2025	12:16	Buzzard	1	improved grassland and hedgerows; flying, behind viewshed	AR
BZ029	Vantage Point Survey; VP1	23/02/2026	14:02	Buzzard	1	improved grassland and hedgerows;	AR
BZ030	Vantage Point Survey; VP2	14/03/2026	11:36	Buzzard	1	improved grassland and hedgerows; hunting	AR
BZ031	Vantage Point Survey; VP1	25/03/2026	07:00	Buzzard	2	conifer plantation and improved grassland; hunting	AR

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ032	Breeding Woodcock Survey; WKT2	12/05/2026	20:16	Buzzard	2	conifer plantation; flying, hovering	JVD
BZ033	Breeding Woodcock Survey; WKT2	04/06/2026	21:16	Buzzard	2	conifer plantation; flying	SM
BZ034	Breeding Woodcock Survey; WKT3	04/06/2026	22:05	Buzzard	1	conifer plantation; mobbed, mobbed by mistle thrushes	JVD
BZ035	Breeding Woodcock Survey; WKT5	08/06/2026	21:20	Buzzard	1	improved agricultural grassland; hovering, hunting	JVD
BZ036	Breeding Woodcock Survey; WKT5	08/06/2026	22:03	Buzzard	1	buildings and artificial surfaces; perching, locals said buzzard pair nesting in plantation	JVD
BZ037	Vantage Point Survey; VP4	15/07/2026	13:04	Buzzard	3	improved agricultural grassland and hedgerows; flying, calling, circling, seen on break	JCH
BZ038	Vantage Point Survey; VP5	16/07/2026	11:00	Buzzard	1	hedgerows and improved agricultural grassland; flying, perching, seen on break. perched on tree before flying off.	JCH
BZ039	Vantage Point Survey; VP2	06/08/2026	15:14	Buzzard	2	conifer plantation and dry calcareous and neutral grassland; hovering, circling, behind viewshed.	JCH
BZ040	Vantage Point Survey; VP4	11/08/2026	11:27	Buzzard	1	dry calcareous and neutral grassland; hovering, seen on way to vantage point.	JCH
BZ041	Vantage Point Survey; VP1	14/08/2026	12:06	Buzzard	1	dry calcareous and neutral grassland and heath; circling, behind the viewshed	JCH
BZ042	Vantage Point Survey; VP1	14/08/2026	14:08	Buzzard	1	dry calcareous and neutral grassland, hedgerows and improved agricultural grassland; hovering, hunting, hunting unsuccessfully for 43 minutes before traveling west. behind viewshed.	JCH
BZ043	Vantage Point Survey; VP5	24/08/2026	12:56	Buzzard	2	conifer plantation; circling, soaring, behind viewshed.	JCH

1.21 Hobby

Table 7 - 4 - 56 Hobby breeding raptor survey data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
HY001	BR1	17/07/2026	12:33	Hobby	1	dry meadows and grassy verges, hunting, male, seen hunting swallows.	summering; non-breeding	JCH

1.22 Long-eared owl

Table 7 - 4 – 57 Long-eared owl vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
LE001	VP2	16/12/2020	17:11	Long-eared Owl	1	55	55	0	0	0	dry meadows and grassy verges; foraging, investigates observer	SD

Table 7 - 4 - 58 Long-eared owl winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
LE001	18/03/2021	18:35	Not recorded	Long-eared Owl	1	Not recorded	SD

Table 7 - 4 – 59 Long-eared owl incidental data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
LE001	Vantage Point Survey; Spahill	04/11/2020	18:05	Long-eared Owl	1	dry meadows and grassy verges and conifer plantation; flies along plantation edge	SD

1.23 Sparrowhawk

Table 7 - 4 - 60 Sparrowhawk vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
SH001	VP1	11/11/2020	08:55	Sparrowhawk	1	20	0	20	0	0	conifer plantation; flying, female	ED
SH002	VP4	27/11/2020	11:35	Sparrowhawk	1	40	0	40	0	0	conifer plantation and improved agricultural grassland; flying, male	ED
SH003	VP1	30/06/2021	14:04	Sparrowhawk	1	167	0	39	128	0	improved agricultural grassland; soaring - glided east	KW
SH005	VP1	27/07/2021	11:33	Sparrowhawk	1	6	6	0	0	0	improved agricultural grassland; flying - dipped below hill	KW
SH008	VP2	30/07/2021	12:41	Sparrowhawk	1	28	0	0	28	0	conifer plantation, improved agricultural grassland and conifer plantation; hunting	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
SH009	VP2	30/08/2021	14:24	Sparrowhawk	1	109	3	8	98	0	improved agricultural grassland and conifer plantation; hunting - circled to 150m above grassland then long descending glide north below plantation, flew est out of view, juve	KW
SH010	VP3	28/09/2021	16:15	Sparrowhawk	1	44	44	0	0	0	improved agricultural grassland and conifer plantation; hunting into plantation, male	KW
SH011	VP3	28/09/2021	18:22	Sparrowhawk	1	119	0	119	0	0	improved agricultural grassland and conifer plantation; hunting 25-30m hovered briefly, female	KW
SH012	VP1	06/10/2021	11:17	Sparrowhawk	1	6	6	0	0	0	improved agricultural grassland; hunting, 1-2m	KW
SH013	VP3	27/10/2021	11:16	Sparrowhawk	1	28	0	0	0	0	improved agricultural grassland; hunting, female	KW
SH014	VP5	03/11/2021	16:17	Sparrowhawk	1	11	11	0	0	0	improved agricultural grassland; hunting, female	KW
SH015	VP3	18/11/2021	14:24	Sparrowhawk	1	59	0	0	59	0	conifer plantation and improved agricultural grassland; hunting	KW
SH016	VP5	14/12/2021	08:21	Sparrowhawk	1	9	9	0	0	0	improved agricultural grassland; hunting, male 1m	KW
SH019	VP2	15/12/2021	12:07	Sparrowhawk	2	43	2	41	0	0	improved agricultural grassland and conifer plantation; hunting - west 20m then dropped from view	KW
SH020	VP2	15/12/2021	12:08	Sparrowhawk	1	14	14	0	0	0	improved agricultural grassland and conifer plantation; flying - east pursued by raven into plantation	KW
SH021	VP2	15/12/2021	12:43	Sparrowhawk	1	427	5	8	414	0	improved agricultural grassland and conifer plantation; flying - gliding upwards on breeze and rollercoasting downwards and back up again as if displaying, before diving back towards plantation	KW
SH022	VP2	15/12/2021	12:57	Sparrowhawk	1	135	1	2	132	0	improved agricultural grassland and conifer plantation; flying, similar behaviour as sh005	KW
SH023	VP2	15/12/2021	13:04	Sparrowhawk	1	54	1	2	51	0	improved agricultural grassland and conifer plantation; flying - gliding /hanging on breeze 50m then dived back towards plantation	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
SH024	VP2	15/12/2021	13:18	Sparrowhawk	2	314	1	2	311	0	improved agricultural grassland and conifer plantation; flying - both rollercoasting 50m - 150m dived out of view	KW
SH025	VP4	16/12/2021	11:24	Sparrowhawk	1	6	6	0	0	0	improved agricultural grassland and treelines; hunting low into treeline, female	KW
SH026	VP4	16/12/2021	12:09	Sparrowhawk	1	78	0	4	74	0	improved agricultural grassland and scrub; hunting - circled over scrub then dived	KW
SH027	VP1	17/12/2021	08:31	Sparrowhawk	1	87	0	87	0	0	improved agricultural grassland; hunting - slow glide, dropped below hill	KW
SH028	VP1	17/12/2021	09:04	Sparrowhawk	1	103	0	103	0	0	improved agricultural grassland; hunting - circling at 60m, slow glide, dropped below hill	KW
SH031	VP1	17/12/2021	10:13	Sparrowhawk	1	164	0	164	0	0	improved agricultural grassland; flying, 110m into breeze repeated rollercoasting then dived below hill	KW
SH032	VP1	11/01/2022	14:42	Sparrowhawk	1	8	8	0	0	0	improved agricultural grassland and scrub; hunting, male 1m	KW
SH036	VP3	25/01/2022	13:17	Sparrowhawk	1	19	19	0	0	0	improved agricultural grassland and scrub; flying, female landed in scrub	KW
SH037	VP1	15/02/2022	11:28	Sparrowhawk	1	209	0	83	126	0	scrub; hunting	KW
SH038	VP5	16/02/2022	07:56	Sparrowhawk	1	6	0	6	0	0	improved agricultural grassland and conifer plantation; hunting, female	KW
SH039	VP4	17/02/2022	09:28	Sparrowhawk	1	207	0	0	207	0	conifer plantation; hunting, female circled t0 100m	KW
SH040	VP4	17/02/2022	09:43	Sparrowhawk	1	37	0	37	0	0	conifer plantation; hunting, female	KW
SH041	VP4	17/02/2022	09:46	Sparrowhawk	1	58	0	0	58	0	conifer plantation; hunting, male, rollercoasting	KW
SH042	VP4	17/02/2022	09:46	Sparrowhawk	1	52	0	0	52	0	conifer plantation; hunting	KW
SH043	VP3	23/02/2022	08:21	Sparrowhawk	1	306	0	79	0	0	scrub; flying, circled, swooped at buzzard several times	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
SH044	VP3	23/02/2022	10:41	Sparrowhawk	1	194	0	0	194	0	scrub; hunting	KW
SH045	VP5	22/03/2022	17:33	Sparrowhawk	1	84	0	0	84	0	conifer plantation; soaring, circling west	KW
SH046	VP4	23/03/2022	13:43	Sparrowhawk	1	13	13	0	0	0	improved agricultural grassland; hunting, male	KW
SH047	VP5	15/04/2022	15:11	Sparrowhawk	1	15	15	0	0	0	improved agricultural grassland and hedgerows; hunting, male sparrowhawk flew from forestry across field and behind hedgerow. Hunting	TK
SH048	VP3	14/07/2022	12:34	Sparrowhawk	1	6	0	6	0	0	conifer plantation; flying, male	KW
SH049	VP2	06/08/2022	15:20	Sparrowhawk	1	410	0	0	410	0	improved agricultural grassland and conifer plantation; soaring, sparrowhawk soaring	TK
SH050	VP4	15/08/2022	15:12	Sparrowhawk	1	15	15	0	0	0	improved agricultural grassland and conifer plantation; hunting, sparrowhawk hunting	TK
SH051	VP3	18/08/2022	12:02	Sparrowhawk	1	15	15	0	0	0	improved agricultural grassland and hedgerows; hunting, sparrowhawk hunting	TK
SH052	VP4	29/08/2022	11:12	Sparrowhawk	1	270	0	15	255	0	conifer plantation; soaring/hunting, sparrowhawk soaring	TK
SH053	VP1	22/09/2022	18:10	Sparrowhawk	1	18	18	0	0	0	scrub; hunting, juvenile	KW
SH054	VP5	24/09/2022	18:31	Sparrowhawk	1	11	11	0	0	0	hedgerows; flying, adult male	KW
SH055	VP5	24/09/2022	18:34	Sparrowhawk	1	6	6	0	0	0	hedgerows and conifer plantation; hunting	KW
SH056	VP4	25/09/2022	15:33	Sparrowhawk	1	5	5	0	0	0	treelines and improved agricultural grassland; hunting, adult female	KW
SH057	VP4	25/09/2022	16:44	Sparrowhawk	1	11	0	11	0	0	conifer plantation; hunting, adult female	KW
SH058	VP2	26/09/2022	16:46	Sparrowhawk	1	12	12	0	0	0	improved agricultural grassland; flying, juvenile	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
SH059	VP5	17/10/2025	13:38	Sparrowhawk	1	10	10	0	0	0	improved grassland and hedgerows; flying, mobbed by hooded crow	AR
SH060	VP2	29/10/2025	13:27	Sparrowhawk	1	5	5	0	0	0	improved grassland; hunting	AR
SH061	VP1	16/11/2025	08:43	Sparrowhawk	1	15		15	0	0	conifer plantation; flying	AR
SH062	VP2	27/11/2025	10:53	Sparrowhawk	1	20	0	20	0	0	improved grassland and conifer plantation; flying	AR
SH063	VP5	29/12/2025	13:11	Sparrowhawk	1	3	3	0	0	0	improved grassland; hunting	AR
SH064	VP5	29/12/2025	13:27	Sparrowhawk	1	10	0	10	0	0	improved grassland and hedgerows; flying, female	AR
SH065	VP2	30/12/2025	16:02	Sparrowhawk	1	20	0	0	20	0	improved grassland and conifer plantation; circling	AR
SH066	VP1	13/01/2026	09:59	Sparrowhawk	1	2	0	2	0	0	improved grassland and hedgerows; hunting, male hunting	AR
SH067	VP1	13/01/2026	11:12	Sparrowhawk	1	5	5	0	0	0	improved grassland and hedgerows; hunting, male hunting	AR
SH069	VP1	23/02/2026	15:07	Sparrowhawk	1	20	0	0	20	0	improved grassland; soaring	AR
SH070	VP4	28/02/2026	16:22	Sparrowhawk	1	30	0	30	0	0	conifer plantation; soaring	AR
SH071	VP2	14/03/2026	10:21	Sparrowhawk	1	10	0	10	0	0	conifer plantation; flying	AR
SH072	VP2	14/03/2026	11:13	Sparrowhawk	2	10	0	10	0	0	conifer plantation; flying	AR
SH073	VP3	28/03/2026	08:02	Sparrowhawk	1	3	0	3	0	0	conifer plantation; flying	AR
SH074	VP1	25/04/2026	19:09	Sparrowhawk	1	3	3				conifer plantation and improved grassland; hunting	AR
SH075	VP4	22/05/2026	09:46	Sparrowhawk	1	40	0	0	40	0	conifer plantation; circling	AR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
SH076	VP1	24/05/2026	10:41	Sparrowhawk	1	3	0	3	0	0	conifer plantation; flying	AR
SH077	VP2	25/05/2026	11:02	Sparrowhawk	2	60	0	40	20	0	improved grassland and hedgerows; mobbing, two birds mobbing each other	AR
SH078	VP2	14/06/2026	16:34	Sparrowhawk	1	5	0	5	0	0	conifer plantation; flying	AR
SH079	VP2	14/06/2026	17:00	Sparrowhawk	1	3	3	0	0	0	improved grassland and conifer plantation; hunting	AR
SH080	VP2	06/08/2026	13:13	Sparrowhawk	1	37	1	2	34	0	dry calcareous and neutral grassland; mobbed, mobbed by ravens, stooped out of view.	JCH
SH081	VP2	06/08/2026	16:06	Sparrowhawk	1	38	0	0	20	18	dry calcareous and neutral grassland and conifer plantation; mobbed, stooping, mobbed by raven, dropped into conifer plantation.	JCH

Table 7 - 4 - 61 Sparrowhawk winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SH001	24/02/2021	15:15	Not recorded	Sparrowhawk	1	Not recorded	SD
SH002	19/12/2021	12:31	Not recorded	Sparrowhawk	1	scrub and conifer plantation; hunting	KW
SH003	23/12/2025	12:53	T3	Sparrowhawk	1	improved grassland and hedgerows; hunting, low male (wintering)	AR
SH004	16/03/2026	12:06	T3	Sparrowhawk	1	conifer plantation; hunting (wintering)	AR

Table 7 - 4 - 62 Sparrowhawk breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SH001	19/06/2021	13:01	Not recorded	Sparrowhawk	1	conifer plantation and improved agricultural grassland; hunting, male (suitable nesting habitat; possible breeder)	KW

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SH004	21/05/2022	11:48	Not recorded	Sparrowhawk	1	conifer plantation and improved agricultural grassland; hunting (suitable nesting habitat; possible breeder)	KW
SH005	23/05/2022	12:09	Not recorded	Sparrowhawk	1	immature woodland and conifer plantation; hunting, male (suitable nesting habitat; possible breeder)	KW
SH008	14/07/2022	16:55	Not recorded	Sparrowhawk	1	conifer plantation and improved agricultural grassland; flight. perched., male sparrowhawk perched at edge of conifer plantation, flew west into the forestry. (suitable nesting habitat; possible breeder)	SOB
SH009	21/04/2026	09:17	T3	Sparrowhawk	1	conifer plantation; soaring (suitable nesting habitat; possible breeder)	AR
SH010	23/04/2026	09:47	T5	Sparrowhawk	1	improved grassland and conifer plantation; soaring, male (suitable nesting habitat; possible breeder)	AR
SH011	17/05/2026	13:13	T1	Sparrowhawk	1	improved grassland and hedgerows; hunting (suitable nesting habitat; possible breeder)	AR

Table 7 - 4 - 63 Sparrowhawk breeding raptor survey data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
SH001	BR3b	26/05/2021	12:04	Sparrowhawk	1	improved agricultural grassland, soaring / hunting, glided ne 80m	flyover; non-breeding	KW
SH002	BR3b	26/05/2021	12:19	Sparrowhawk	1	improved agricultural grassland, conifer plantation and improved agricultural grassland, soaring, soared with bz001 & bz002 then glided north 80m	flyover; non-breeding	KW
SH003	BR5	29/05/2021	16:31	Sparrowhawk	1	improved agricultural grassland, soaring, circled east	suitable nesting habitat; possible breeder	KW
SH004	BR1	13/07/2021	12:21	Sparrowhawk	1	conifer plantation, hunting, west, circled above plantation then continued west	suitable nesting habitat; possible breeder	KW
SH005	BR1	20/04/2022	12:59	Sparrowhawk	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	KW
SH006	BR6	26/04/2022	16:21	Sparrowhawk	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	KW
SH007	BR1	25/05/2022	09:15	Sparrowhawk	1	improved agricultural grassland, flying, female	suitable nesting habitat; possible breeder	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
SH008	BR6	30/06/2022	19:37	Sparrowhawk	1	improved agricultural grassland and hedgerows, mobbed by several corvids, mostly jackdaws, brvp6b	suitable nesting habitat; possible breeder	CB
SH010	BR1	25/04/2026	13:30	Sparrowhawk	1	conifer plantation, circling	suitable nesting habitat; possible breeder	AR
SH011	BR1	25/05/2026	13:31	Sparrowhawk	1	improved grassland and conifer plantation, hunting, male low	suitable nesting habitat; possible breeder	AR
SH012	BR1	25/05/2026	13:45	Sparrowhawk	1	conifer plantation, soaring, kestrel and sparrowhawk soaring together	suitable nesting habitat; possible breeder	AR
SH013	BR6b	16/06/2026	11:06	Sparrowhawk	1	conifer plantation, mobbing, female	agitated behaviour; probable breeding	AR

Table 7 - 4 - 64 Sparrowhawk incidental data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SH001	Hen Harrier Roost Survey; Spahill	23/10/2020	17:48	Sparrowhawk	1	conifer plantation and improved agricultural grassland; roosting	ED
SH002	Hen Harrier Roost Survey; Spahill	24/10/2020	16:20	Sparrowhawk	1	conifer plantation and improved agricultural grassland; in flight	ED
SH003	Hen Harrier Roost Survey; Foyle North	16/11/2020	14:25	Sparrowhawk	1	conifer plantation and improved agricultural grassland; flying, male; location labelled as VPb on survey map	ED
SH004	Hen Harrier Roost Survey; Foyle North	16/11/2020	15:40	Sparrowhawk	1	conifer plantation and improved agricultural grassland; flying, female; location labelled as VPb on survey map	ED
SH005	Hen Harrier Roost Survey; Spahill	22/11/2020	15:53	Sparrowhawk	1	mixed broadleaved woodland and improved agricultural grassland; flying, location labelled as VPc on survey map	ED
SH006	Wildfowl Distribution Survey; River Nore	22/01/2021	13:06	Sparrowhawk	1	hedgerows; tries to land in tree but chased by rook, female	SD
SH007	Hen Harrier Roost Survey; Spahill	08/02/2021	17:34	Sparrowhawk	1	conifer plantation; flew to tree, perched for a few seconds then flew into the woods, male	RT
SH008	Vantage Point Survey; Killoshulan	02/03/2021	09:34	Sparrowhawk	1	improved agricultural grassland; perched on fence post then flew south when surveyor moved, male; during lunch break	RT
SH009	Vantage Point Survey; Killoshulan	20/04/2021	14:57	Sparrowhawk	1	improved agricultural grassland and conifer plantation; flying	KW
SH010	Hen Harrier Roost Survey; SPAHILL	12/01/2022	07:55	Sparrowhawk	1	scrub and conifer plantation; hunting	KW

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SH011	Hen Harrier Roost Survey; SPAHILL	12/01/2022	08:04	Sparrowhawk	1	scrub and conifer plantation; hunting	KW
SH012	Hen Harrier Roost Survey; SPAHILL	12/01/2022	08:22	Sparrowhawk	1	scrub and conifer plantation; hunting	KW
SH013	Hen Harrier Roost Survey; Spahill	13/01/2022	08:01	Sparrowhawk	1	conifer plantation and conifer plantation; hunting - pair circling track next to HHVP	KW
SH014	Breeding Woodcock Survey; Killoshulan	19/05/2022	21:24	Sparrowhawk	1	conifer plantation; travelling	CB

1.24 Dunlin

Figure 7 - 4 - 65 Dunlin waterbird distribution and abundance survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
DN001	Horse and Jockey - Rathreagh	10/12/2025	11:10	Dunlin	36	improved grassland and hedgerows; foraging, flooded area	AR
DN002	Horse and Jockey - Rathreagh	28/12/2025	10:15	Dunlin	10	improved grassland and hedgerows; foraging, flooded area	AR
DN003	Horse and Jockey - Rathreagh	12/01/2026	14:10	Dunlin	41	improved grassland and hedgerows; flying, landing, flooded area	AR
DN004	Horse and Jockey - Rathreagh	29/01/2026	09:00	Dunlin	32	improved grassland and hedgerows; flying, landing, flooded area	AR
DN005	Horse and Jockey - Rathreagh	16/02/2026	10:10	Dunlin	51	improved grassland and hedgerows; foraging	AR
DN006	Horse and Jockey - Rathreagh	26/02/2026	09:00	Dunlin	42	improved grassland and hedgerows; foraging, roosting	AR
DN007	Horse and Jockey - Rathreagh	13/03/2026	09:47	Dunlin	27	improved grassland and hedgerows; foraging, flooded area	AR

1.25 Great white egret

Figure 7 - 4 - 66 Great white egret waterbird distribution and abundance survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
HW001	Freshford	28/12/2025	12:39	Great White Egret	1	improved grassland, hedgerows and watercourses; foraging	AR

1.26 Merlin

Figure 7 - 4 - 67 Merlin vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
ML001	VP2	24/10/2021	12:35	Merlin	1	17	17	0	0	0	improved agricultural grassland; hunting - briefly surveyed hillside & departed west, male	KW
ML002	VP2	22/02/2022	08:59	Merlin	1	26	8	6	12	0	improved agricultural grassland and conifer plantation; hunting, female/juvenile difficult in glare to determine	KW
ML003	VP3	28/03/2022	16:59	Merlin	1	19	19	0	0	0	improved agricultural grassland and treelines; flying, perched in treeline for 10m then flew east	KW

1.27 White-tailed eagle

Figure 7 - 4 - 68 White-tailed eagle vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
WE001	VP3	15/03/2021	06:49	White-tailed Eagle	2	75	75	0	0	0	improved agricultural grassland and conifer plantation; resting, feeding (?) and moving around field for 1hr 10min, 1 flew for 75sec, tags on wings & hcs & foxes next to them	RT
WE002	VP3	15/03/2021	08:06	White-tailed Eagle	1	39	21	10	8	0	improved agricultural grassland and conifer plantation; soaring, chased by a hc for a few seconds	RT
WE003	VP3	15/03/2021	08:12	White-tailed Eagle	1	141	136	5	0	0	improved agricultural grassland; circling then flying sw out of sight	RT

Figure 7 - 4 - 69 White-tailed eagle incidental data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WE001	Waterfowl Distribution Survey; River Nore	26/01/2022	11:16	White-tailed Eagle	1	hedgerows and improved agricultural grassland; roosting, 2cy juvenile released from killarney national park according to dr. Allan mee	KW
WE002	Waterfowl Distribution Survey; River Nore	14/02/2022	12:33	White-tailed Eagle	1	hedgerows; roosting, 2cy juvenile	KW

1.28 Whooper swan

Figure 7 - 4 - 70 Whooper swan waterbird distribution and abundance survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WS001	Horse and Jockey Lake	27/11/2020	15:56	Whooper Swan	11	wet grassland; on grass next to lake	SD
WS002	Horse and Jockey Lake	09/12/2020	15:55	Whooper Swan	12	improved agricultural grassland; arrive to roost	SD
WS003	River Nore	22/01/2021	12:13	Whooper Swan	9	depositing/lowland rivers and wet grassland; swimming, foraging and preening in flood, juveniles present	SD
WS004	Horse and Jockey Lake	22/01/2021	15:53	Whooper Swan	8	improved agricultural grassland and lakes and ponds; roost	SD
WS005	River Nore	10/02/2021	10:49	Whooper Swan	13	improved agricultural grassland; flying west, towards development site	SD
WS006	River Nore	10/02/2021	11:19	Whooper Swan	4	depositing/lowland rivers; flying north along river	SD
WS007	River Nore	22/02/2021	10:17	Whooper Swan	5	depositing/lowland rivers and improved agricultural grassland; flying north and calling, field flooded	RT
WS008	Horse and Jockey Lake	09/03/2021	11:45	Whooper Swan	34	improved agricultural grassland and lakes and ponds; foraging on grass and swimming in lake	SD
WS009	Horse and Jockey Lake	24/03/2021	12:16	Whooper Swan	8	improved agricultural grassland and lakes and ponds; foraging next to lake	SD
WS010	River Nore	11/04/2021	10:38	Whooper Swan	1	depositing/lowland rivers; flying, 2cy adult	KW
WS011	Horse and Jockey	26/01/2022	09:00	Whooper Swan	19	improved agricultural grassland; foraging	KW
WS012	Horse and Jockey	14/02/2022	09:30	Whooper Swan	21	improved agricultural grassland; foraging	KW
WS013	River Nore	14/02/2022	11:24	Whooper Swan	50	improved agricultural grassland; foraging, 2k outside survey radius but noteworthy	KW

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WS014	Loughane	28/02/2022	10:09	Whooper Swan	8	improved agricultural grassland; foraging	KW
WS015	Horse and Jockey	28/02/2022	10:30	Whooper Swan	19	turloughs; foraging	KW
WS016	Horse and Jockey	18/03/2022	10:15	Whooper Swan	23	turloughs; roosting/foraging, old survey reference: ws001	KW
WS017	Loughane	18/03/2022	11:46	Whooper Swan	8	turloughs; roosting/foraging, old survey reference: ws002	KW
WS018	Horse and Jockey - Rathreagh	28/11/2025	01:40	Whooper Swan	11	improved grassland, hedgerows and watercourses; foraging, flooded area	AR
WS019	Horse and Jockey - Rathreagh	10/12/2025	11:10	Whooper Swan	26	improved grassland and hedgerows; foraging, flooded area	AR
WS020	The Loughane	28/12/2025	08:15	Whooper Swan	5	improved grassland and hedgerows; foraging, flooded area	AR
WS021	Horse and Jockey - Rathreagh	28/12/2025	10:15	Whooper Swan	33	improved grassland and hedgerows; foraging, flooded area	AR
WS022	Urlingford	28/12/2025	13:17	Whooper Swan	8	improved grassland; foraging	AR
WS023	The Loughane	12/01/2026	12:41	Whooper Swan	10	improved grassland and hedgerows; roosting, flooded area	AR
WS024	Horse and Jockey - Rathreagh	12/01/2026	14:10	Whooper Swan	32	improved grassland and hedgerows; foraging, flooded area	AR
WS025	Horse and Jockey - Rathreagh	29/01/2026	09:00	Whooper Swan	24	improved grassland and hedgerows; foraging, flooded area	AR
WS026	The Loughane	29/01/2026	12:55	Whooper Swan	1	improved grassland and hedgerows; foraging, flooded area	AR
WS027	Borrismore	29/01/2026	13:01	Whooper Swan	9	improved grassland and hedgerows; foraging	AR
WS028	The Loughane	16/02/2026	08:00	Whooper Swan	6	improved grassland and hedgerows; foraging	AR
WS029	Borrismore	16/02/2026	09:17	Whooper Swan	3	improved grassland; foraging	AR
WS030	Horse and Jockey - Rathreagh	16/02/2026	10:10	Whooper Swan	23	improved grassland and hedgerows; foraging, flooded area	AR
WS031	Horse and Jockey - Rathreagh	26/02/2026	09:00	Whooper Swan	21	improved grassland; foraging	AR

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WS032	Borrismore	26/02/2026	14:17	Whooper Swan	10	improved grassland and hedgerows; foraging, flooded area	AR
WS033	Borrismore	13/03/2026	09:31	Whooper Swan	19	improved grassland; foraging	AR
WS034	Rathreagh	13/03/2026	11:03	Whooper Swan	21	improved grassland; foraging	AR
WS035	Horse and Jockey - Rathreagh	24/03/2026	08:00	Whooper Swan	1	improved grassland and hedgerows; foraging, flooded area	AR

1.29

Curlew

Figure 7 - 4 - 71 Curlew waterbird distribution and abundance survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
CU001	Borrismore	23/10/2020	10:35	Curlew	23	improved agricultural grassland; roosting/feeding	ED
CU002	Horse and Jockey	09/12/2020	16:00	Curlew	2	wet grassland; foraging	SD
CU003	Loughane	06/01/2021	14:34	Curlew	4	improved agricultural grassland and springs; foraging in grass	SD
CU004	Horse and Jockey Lake	06/01/2021	15:25	Curlew	1	wet grassland and lakes and ponds; alarm calls	SD
CU005	Loughane	22/01/2021	15:15	Curlew	12	springs; foraging in grass	SD
CU006	Loughane	10/02/2021	14:29	Curlew	2	springs and improved agricultural grassland; foraging in grass	SD
CU007	Horse and Jockey Lake	09/03/2021	11:56	Curlew	1	lakes and ponds and improved agricultural grassland; foraging at lake edge, then flies calling	SD
CU008	Horse and Jockey	27/11/2021	12:15	Curlew	5	turloughs; foraging	KW
CU009	Loughane	18/12/2021	14:50	Curlew	1	springs; foraging in grass	SD

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
CU010	Horse and Jockey	27/12/2021	10:45	Curlew	4	improved agricultural grassland; foraging	KW
CU011	Loughane	15/01/2022	10:30	Curlew	18	turloughs; foraging	KW
CU012	Loughane	15/01/2022	10:45	Curlew	2	turloughs; foraging	KW
CU013	Horse and Jockey	26/01/2022	09:01	Curlew	13	improved agricultural grassland; foraging	KW
CU014	Loughane	26/01/2022	10:11	Curlew	26	turloughs; foraging	KW
CU015	Loughane	26/01/2022	10:30	Curlew	16	turloughs; foraging	KW
CU016	Loughane	14/02/2022	10:15	Curlew	23	turloughs; foraging	KW
CU017	River Nore	14/02/2022	11:40	Curlew	84	improved agricultural grassland; foraging, 1k outside radius	KW
CU018	Loughane	28/02/2022	09:40	Curlew	6	turloughs; foraging	KW
CU019	Loughane	28/02/2022	10:15	Curlew	9	turloughs; foraging	KW
CU020	Balief Upper	28/11/2025	09:22	Curlew	1	improved grassland and hedgerows; roosting, flooded area	AR
CU021	The Loughane	10/12/2025	08:30	Curlew	16	improved grassland and hedgerows; foraging, flooded area	AR
CU022	The Loughane	10/12/2025	09:45	Curlew	1	improved grassland and hedgerows; foraging, flooded area	AR
CU023	The Loughane	28/12/2025	08:15	Curlew	23	improved grassland and hedgerows; foraging, flooded area	AR
CU024	The Loughane	28/12/2025	09:30	Curlew	45	improved grassland and hedgerows; foraging, flooded area	AR
CU025	The Loughane	12/01/2026	12:41	Curlew	41	improved grassland and hedgerows; foraging, flooded area	AR
CU026	The Loughane	12/01/2026	13:30	Curlew	6	improved grassland and hedgerows; flying, flooded area	AR
CU027	Horse and Jockey - Rathreagh	12/01/2026	14:10	Curlew	6	improved grassland and hedgerows; foraging, flooded area	AR

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
CU028	Horse and Jockey - Rathreagh	29/01/2026	09:00	Curlew	3	improved grassland and hedgerows; foraging, flooded area	AR
CU029	The Loughane	16/02/2026	08:00	Curlew	13	improved grassland and hedgerows; foraging	AR
CU030	Horse and Jockey - Rathreagh	16/02/2026	10:10	Curlew	11	improved grassland and hedgerows; foraging	AR
CU031	Horse and Jockey - Rathreagh	26/02/2026	09:00	Curlew	3	improved grassland and hedgerows; foraging, roosting	AR
CU032	The Loughane	26/02/2026	13:10	Curlew	4	improved grassland and hedgerows; foraging	AR
CU033	The Loughane	13/03/2026	08:26	Curlew	9	improved grassland and hedgerows; foraging, flooded area	AR
CU034	Horse and Jockey - Rathreagh	13/03/2026	09:47	Curlew	3	improved grassland and hedgerows; foraging, flooded area	AR

1.30 Shoveler

Figure 7 - 4 - 72 Shoveler waterbird distribution and abundance survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SV001	Horse and Jockey lake	22/02/2021	13:35	Shoveler	2	wet grassland and lakes and ponds; foraging	RT
SV002	Horse and Jockey Lake	09/03/2021	11:47	Shoveler	4	lakes and ponds; swimming and males fighting, 3 males and 1 female	SD
SV003	Horse and Jockey Lake	24/03/2021	13:04	Shoveler	6	lakes and ponds; foraging	SD
SV004	Horse and Jockey	11/04/2021	15:30	Shoveler	4	turloughs; roosting	KW
SV005	Nuenna Equestrian Centre	15/01/2022	11:30	Shoveler	4	dystrophic lakes; foraging	KW
SV006	Horse and Jockey	26/01/2022	09:07	Shoveler	8	turloughs; foraging	KW
SV007	Horse and Jockey	14/02/2022	09:35	Shoveler	6	turloughs; roosting/foraging	KW
SV008	Loughane	14/02/2022	10:52	Shoveler	2	turloughs; foraging	KW

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SV009	Horse and Jockey	28/02/2022	10:35	Shoveler	6	turloughs; foraging	KW
SV010	Loughane	18/03/2022	11:32	Shoveler	6	turloughs; roosting/foraging, old survey reference: sv001	KW
SV011	Loughane	18/03/2022	11:40	Shoveler	6	turloughs; roosting/foraging, old survey reference: sv002	KW
SV012	Loughane	31/03/2022	10:09	Shoveler	4	turloughs; foraging, old survey reference: sv001	KW
SV013	Loughane	17/04/2022	08:50	Shoveler	2	turloughs; foraging	KW
SV014	Horse and Jockey - Rathreagh	11/11/2025	13:37	Shoveler	1	improved grassland and watercourses; foraging	AR
SV015	Horse and Jockey - Rathreagh	28/11/2025	01:40	Shoveler	2	improved grassland, hedgerows and watercourses; foraging, flooded area	AR
SV016	The Loughane	10/12/2025	08:30	Shoveler	14	improved grassland and hedgerows; foraging, flooded area	AR
SV017	Horse and Jockey - Rathreagh	10/12/2025	11:10	Shoveler	7	improved grassland and hedgerows; roosting, flooded area	AR
SV018	The Loughane	28/12/2025	08:15	Shoveler	4	improved grassland and hedgerows; foraging, flooded area	AR
SV019	Horse and Jockey - Rathreagh	12/01/2026	14:10	Shoveler	14	improved grassland and hedgerows; foraging, flooded area	AR
SV020	Horse and Jockey - Rathreagh	29/01/2026	09:00	Shoveler	38	improved grassland and hedgerows; foraging, roosting, flooded area	AR
SV021	The Loughane	29/01/2026	12:55	Shoveler	10	improved grassland and hedgerows; foraging, flooded area	AR
SV022	The Loughane	29/01/2026	13:19	Shoveler	10	improved grassland; foraging, flooded area	AR
SV023	The Loughane	16/02/2026	08:00	Shoveler	9	improved grassland and hedgerows; foraging	AR
SV024	Horse and Jockey - Rathreagh	16/02/2026	10:10	Shoveler	51	improved grassland and hedgerows; foraging	AR
SV025	Horse and Jockey - Rathreagh	26/02/2026	09:00	Shoveler	19	improved grassland and hedgerows; foraging, roosting	AR
SV026	The Loughane	26/02/2026	13:10	Shoveler	4	improved grassland and hedgerows; foraging	AR

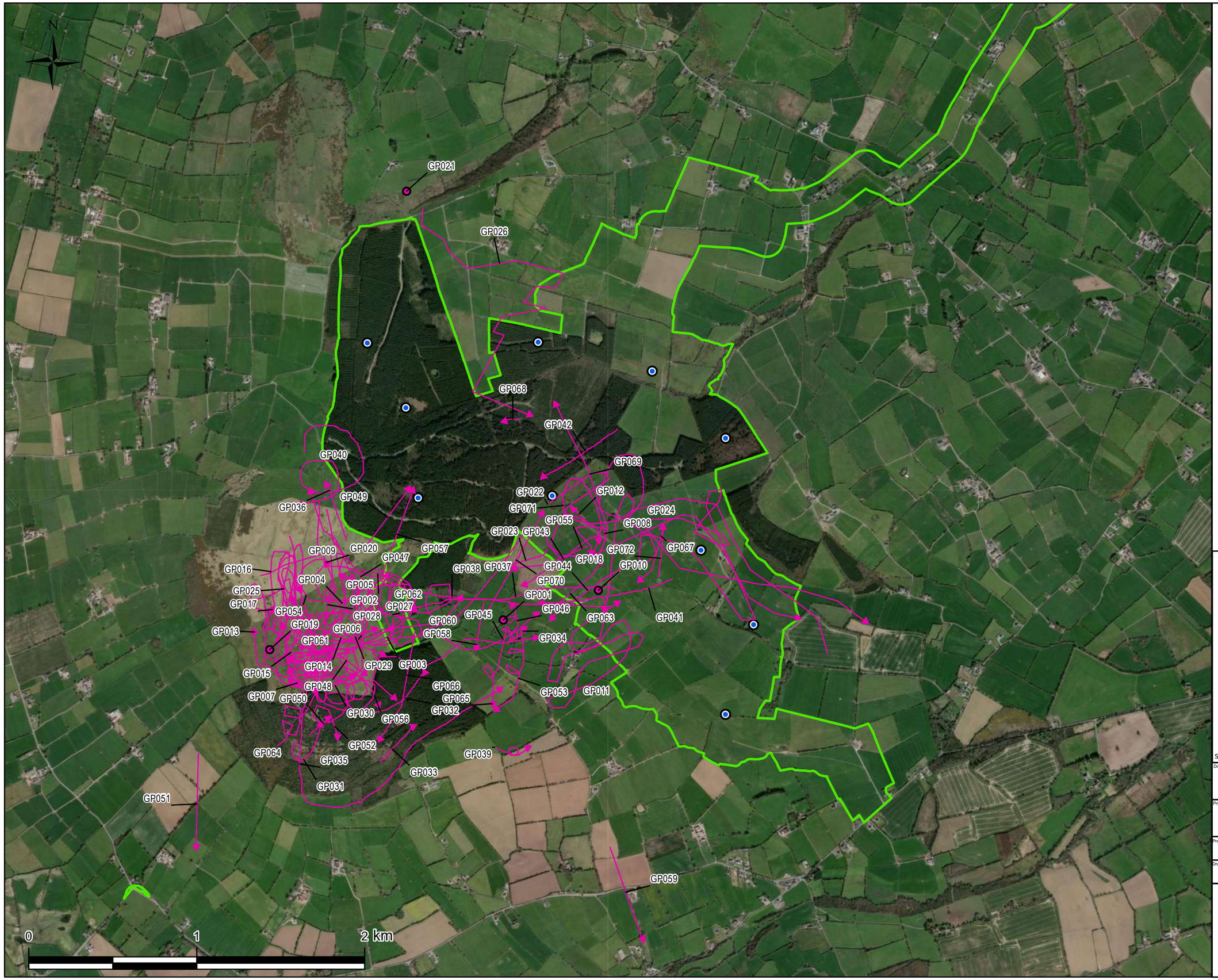
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SV027	The Loughane	13/03/2026	07:30	Shoveler	7	improved grassland and hedgerows; foraging, flooded area	AR
SV028	The Loughane	13/03/2026	08:26	Shoveler	14	improved grassland and hedgerows; foraging, flooded area	AR
SV029	Horse and Jockey - Rathreagh	24/03/2026	08:00	Shoveler	51	improved grassland and hedgerows; foraging, flooded area	AR

1.31 Whinchat

Figure 7 - 4 - 73 Whinchat vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1	Band 2	Band 3	Band 4	Habitat and activity	Surveyor
WC001	VP2	08/03/2021	Not recorded	Whinchat	1	-	-	-	-	-	improved grassland; flying past, perched on a branch, the flew off	RT

2. SURVEY MAPS

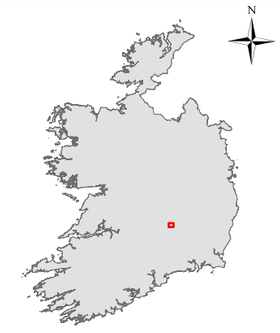


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation
- Flight Observation

Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Golden Plover
Vantage Point Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-1	1:21,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

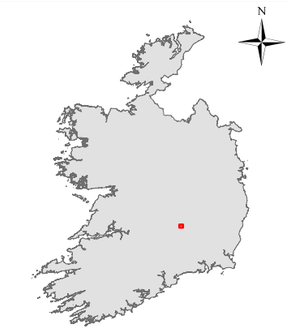


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Golden Plover
Winter Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-2	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

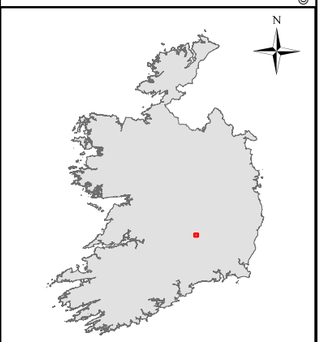


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Golden Plover
Breeding Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
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Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

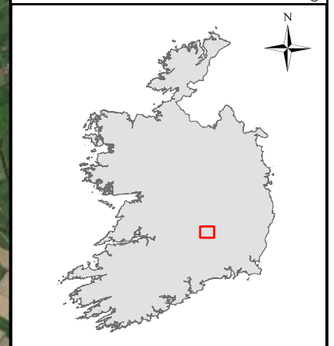


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation

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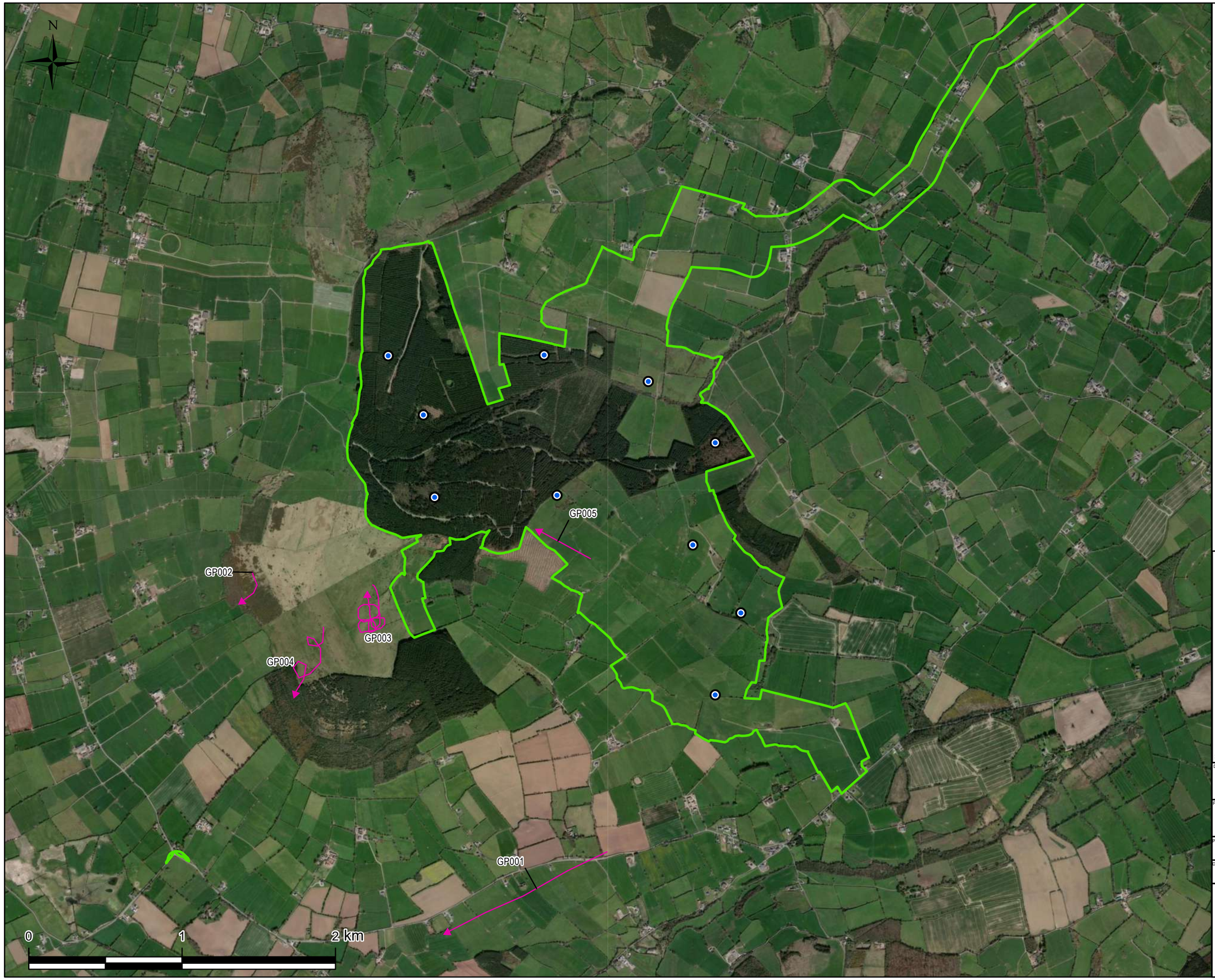
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Golden Plover
Waterbird Distribution and Abundance Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
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Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

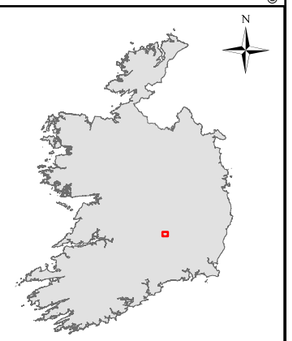


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- Flight Observation

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Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Golden Plover
Incidental Observations

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
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Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

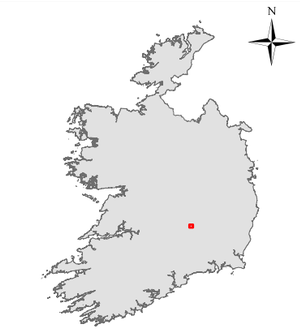


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- Flight Observation

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Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator



SITE LOCATION - NOT TO SCALE

Drawing Title
Hen Harrier
Vantage Point Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-6	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

N

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Map Legend

EIAR Site Boundary

Proposed Turbine Layout

Flight Observation

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Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator

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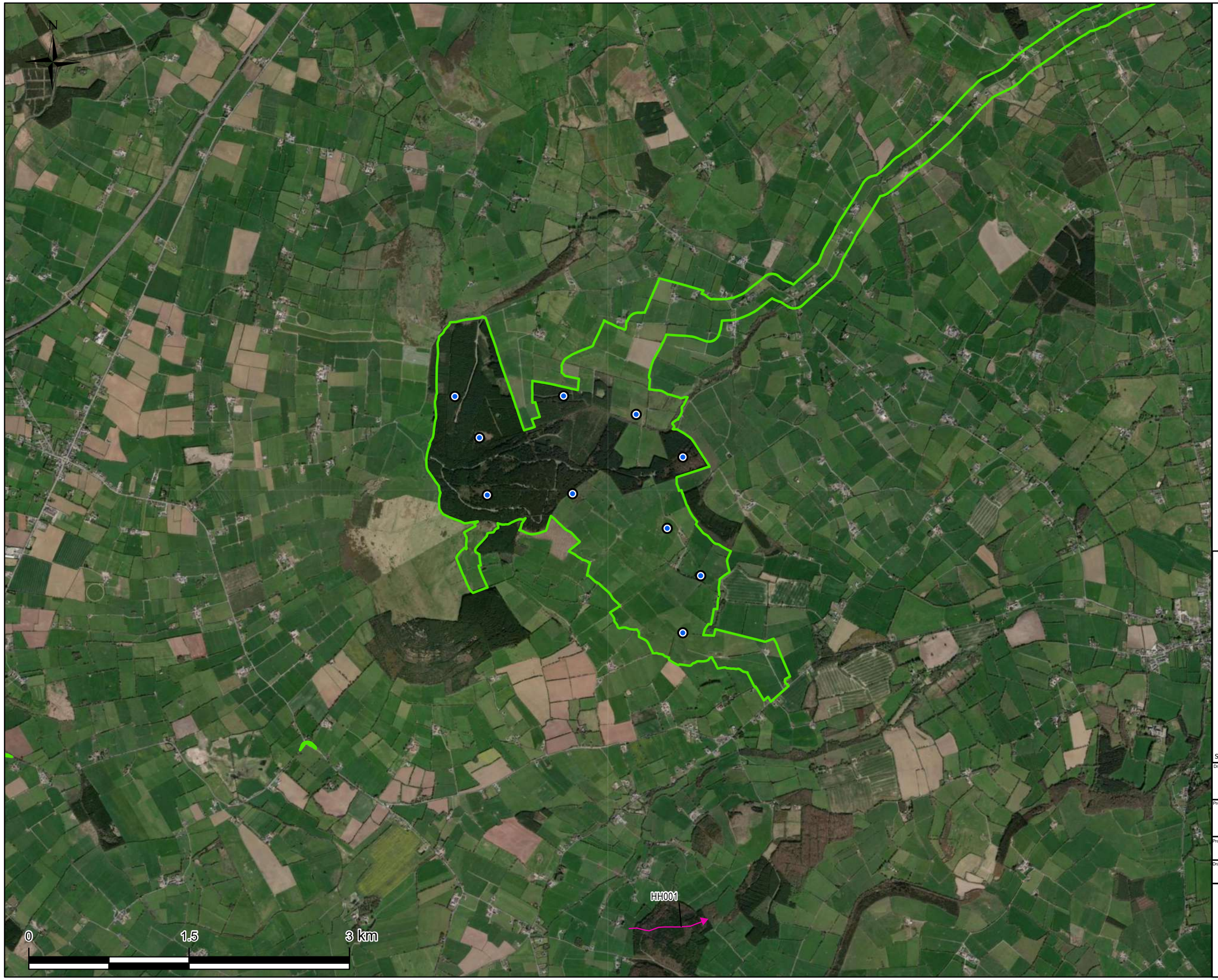
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Drawing Title
Hen Harrier
Winter Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
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Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

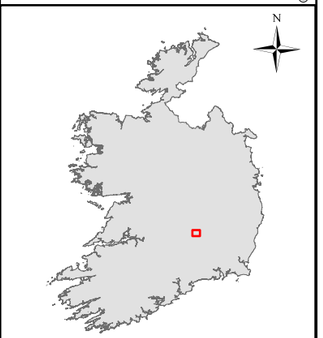


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Hen Harrier
Breeding Raptor Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-8	1:33,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

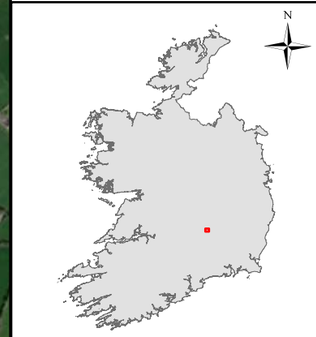


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

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Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator



SITE LOCATION - NOT TO SCALE

Drawing Title
Hen Harrier
Hen Harrier Roost Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-9	1:16,000
Drawn By	**Checked By**	**Date**
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie



Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation

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Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Kingfisher
Breeding Kingfisher Surveys

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
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Email: info@mkoireland.ie/ Website: www.mkoireland.ie

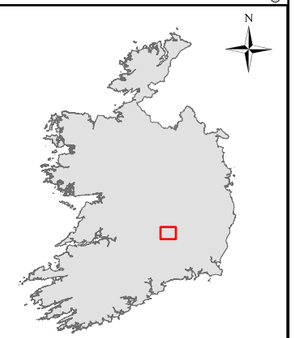


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- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation

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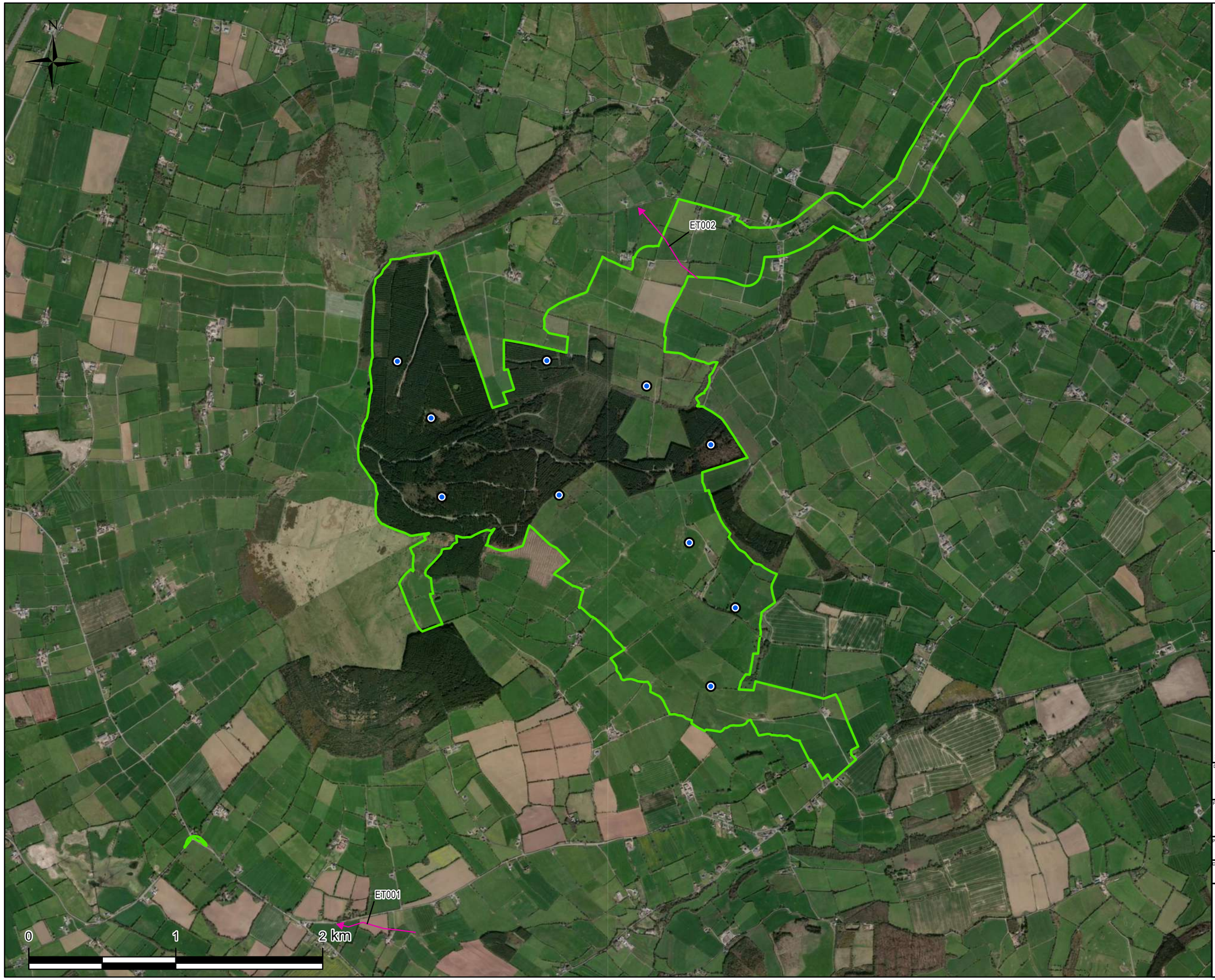
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Little Egret
Waterbird Distribution and Abundance Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
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Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

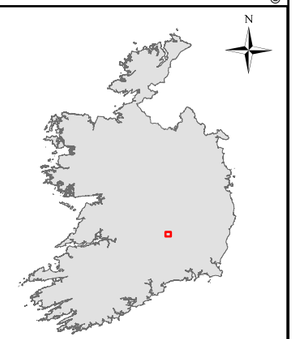


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator

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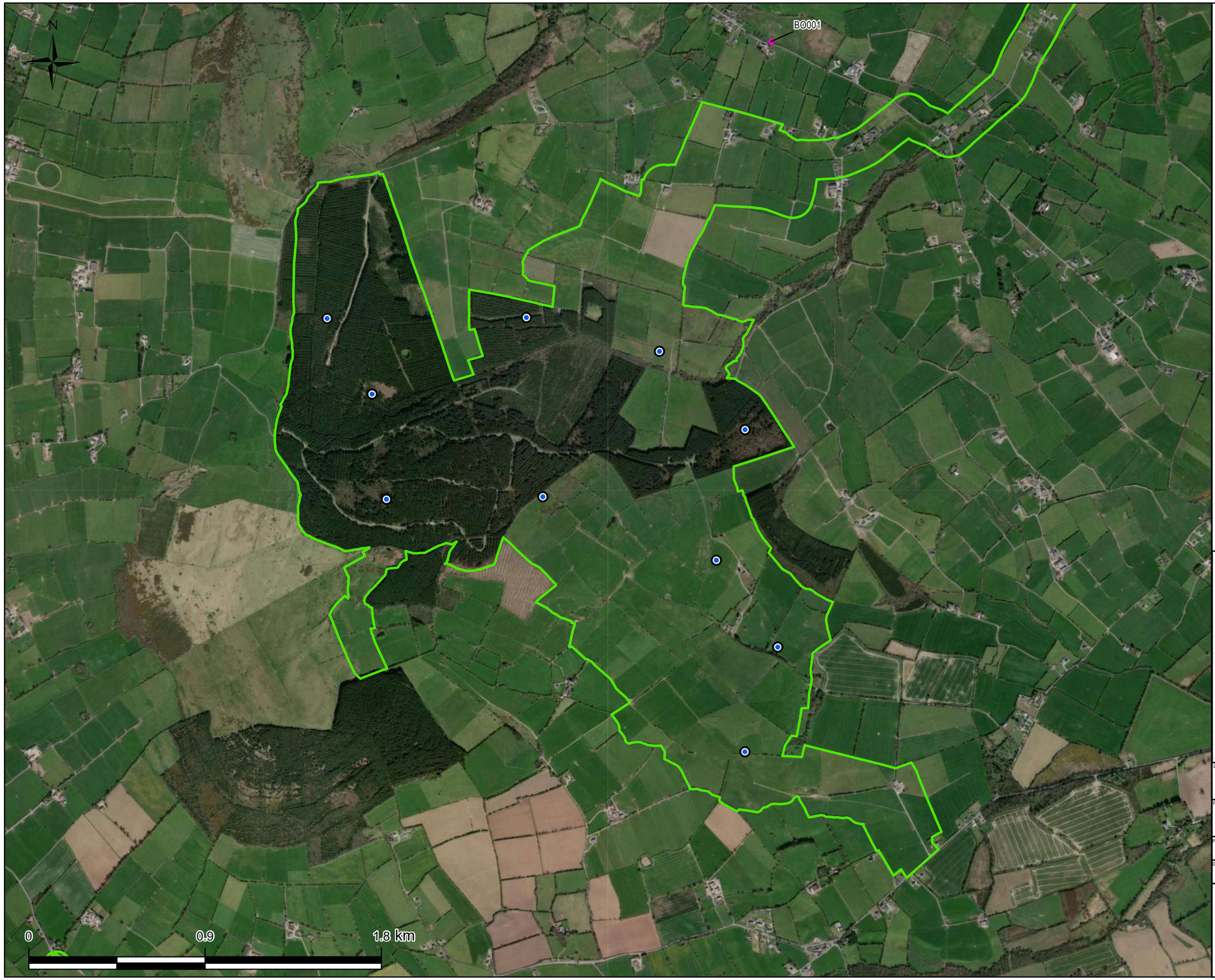
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Drawing Title
Little Egret
Incidental Observations

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
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Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

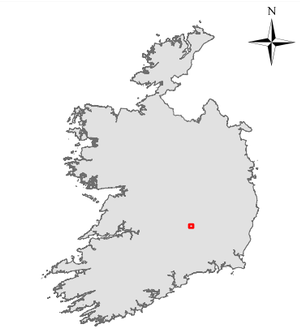
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Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator



SITE LOCATION - NOT TO SCALE

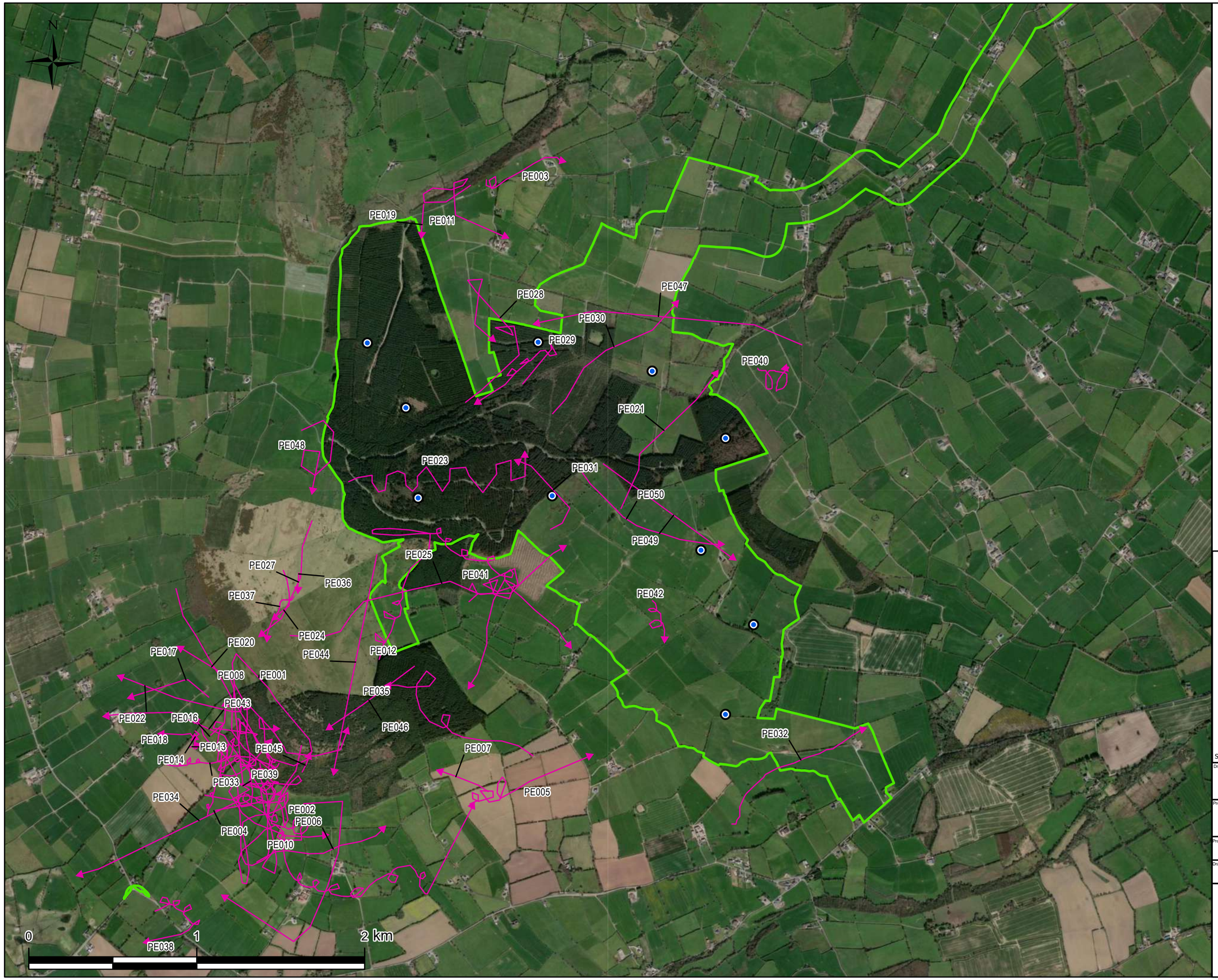
Drawing Title
Barn Owl
Incidental Observations

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-13	1:18,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

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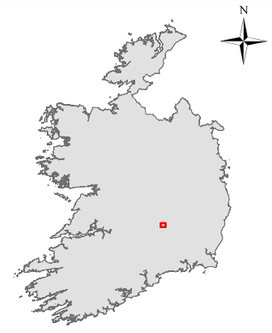


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Peregrine Falcon
Vantage Point Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-14	1:21,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

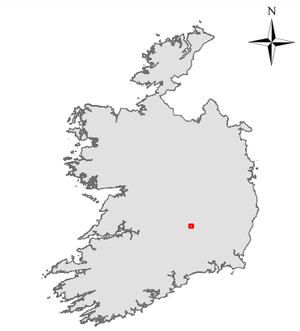


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator

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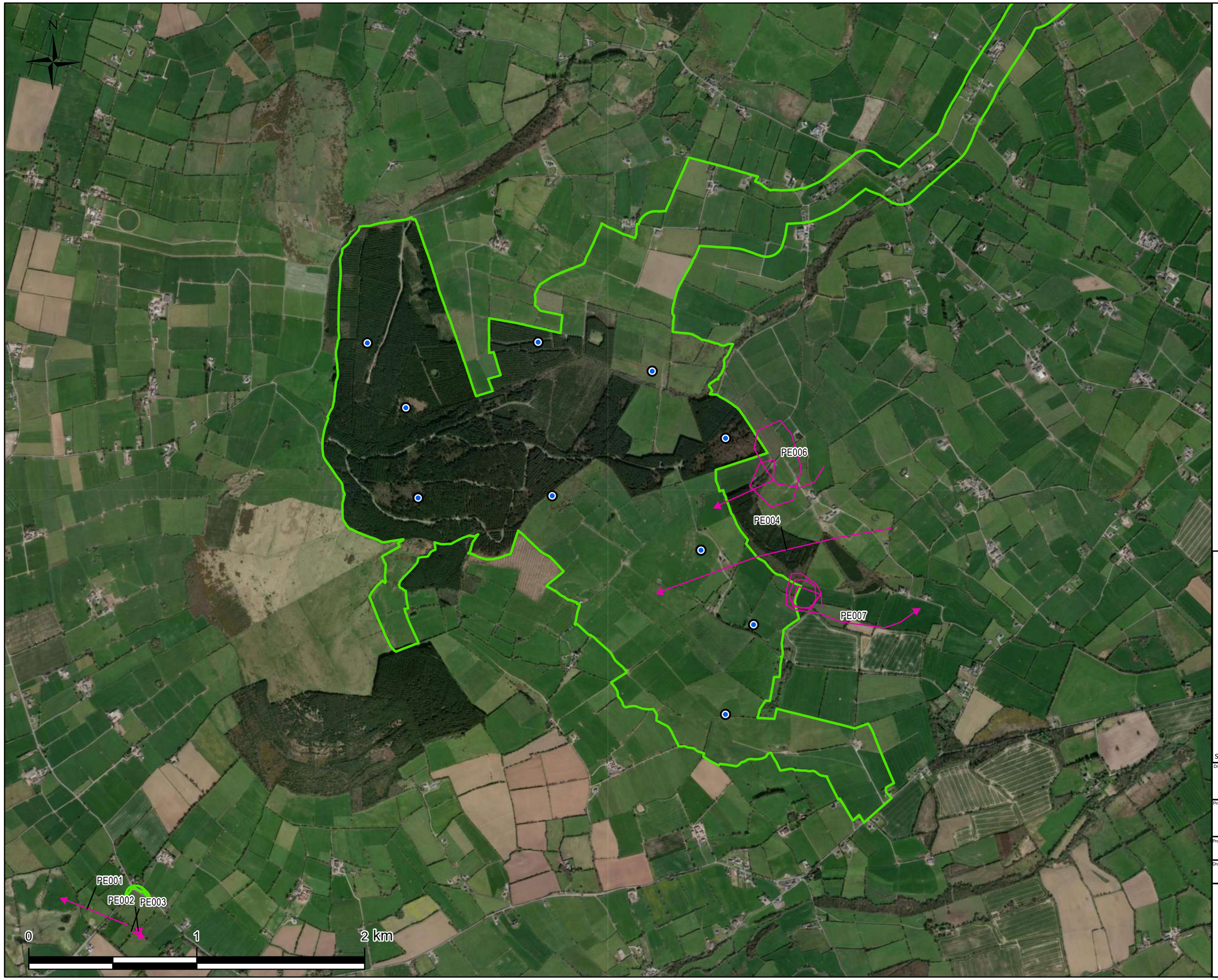
SITE LOCATION - NOT TO SCALE

Drawing Title
Peregrine Falcon
Winter Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-15	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

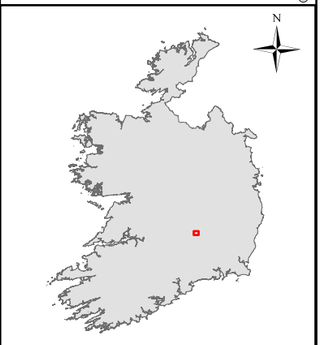


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator

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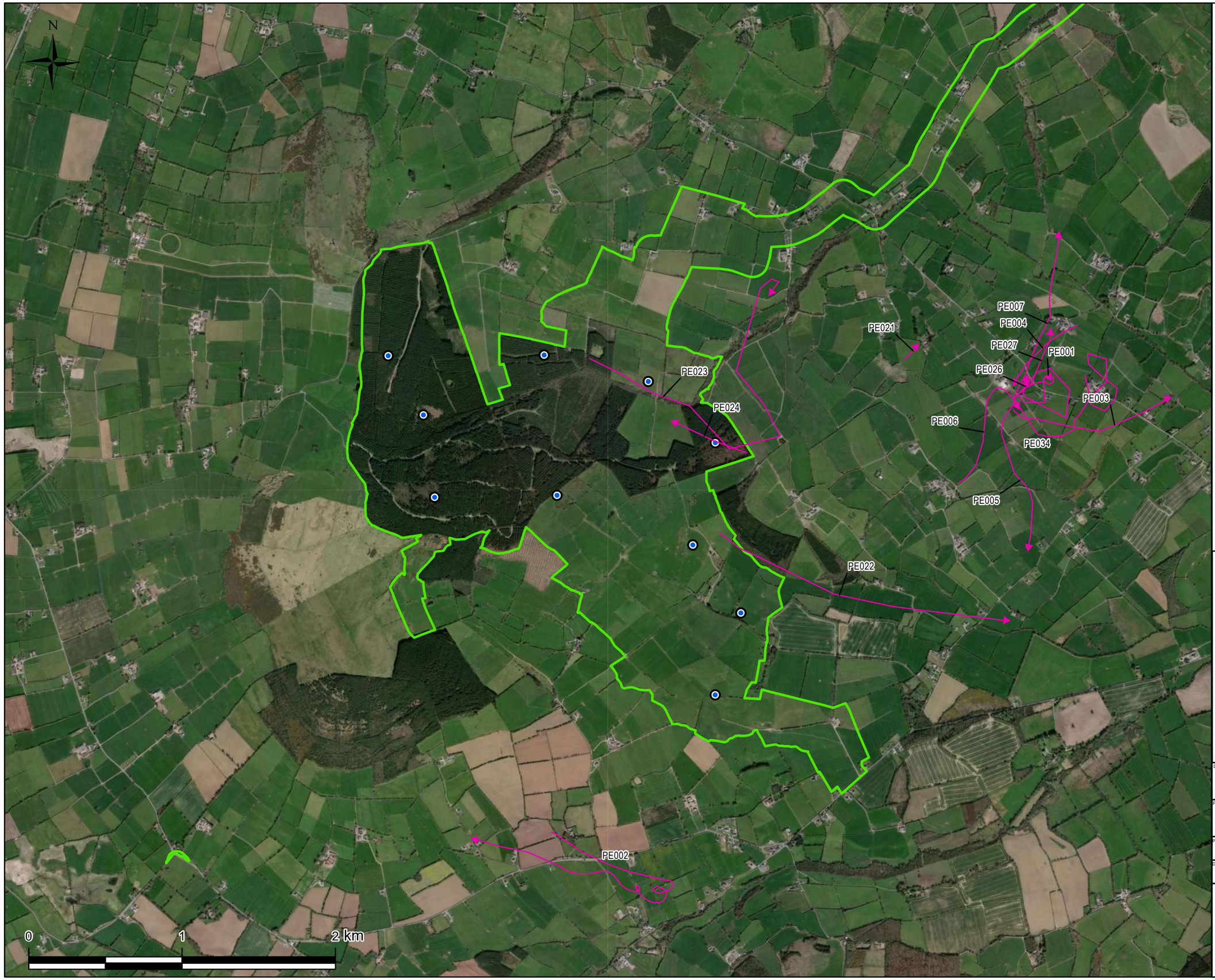
SITE LOCATION - NOT TO SCALE

Drawing Title
Peregrine Falcon
Breeding Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-16	1:21,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

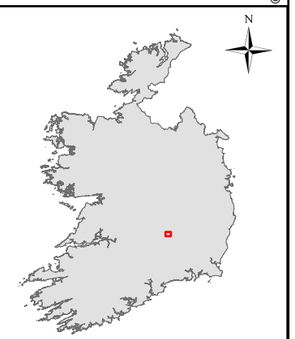


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Peregrine Falcon
Breeding Raptor Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-17	1:23,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

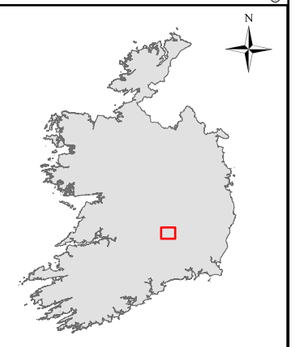


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Peregrine Falcon
Incidental Observations

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-18	1:60,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

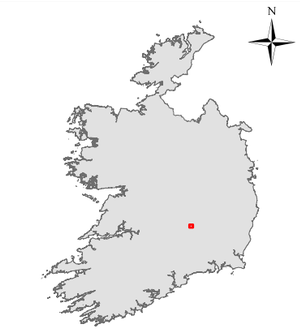


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

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Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator



SITE LOCATION - NOT TO SCALE

Drawing Title
Grey Wagtail
Breeding Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-19	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

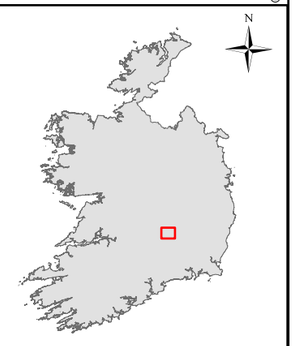


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator

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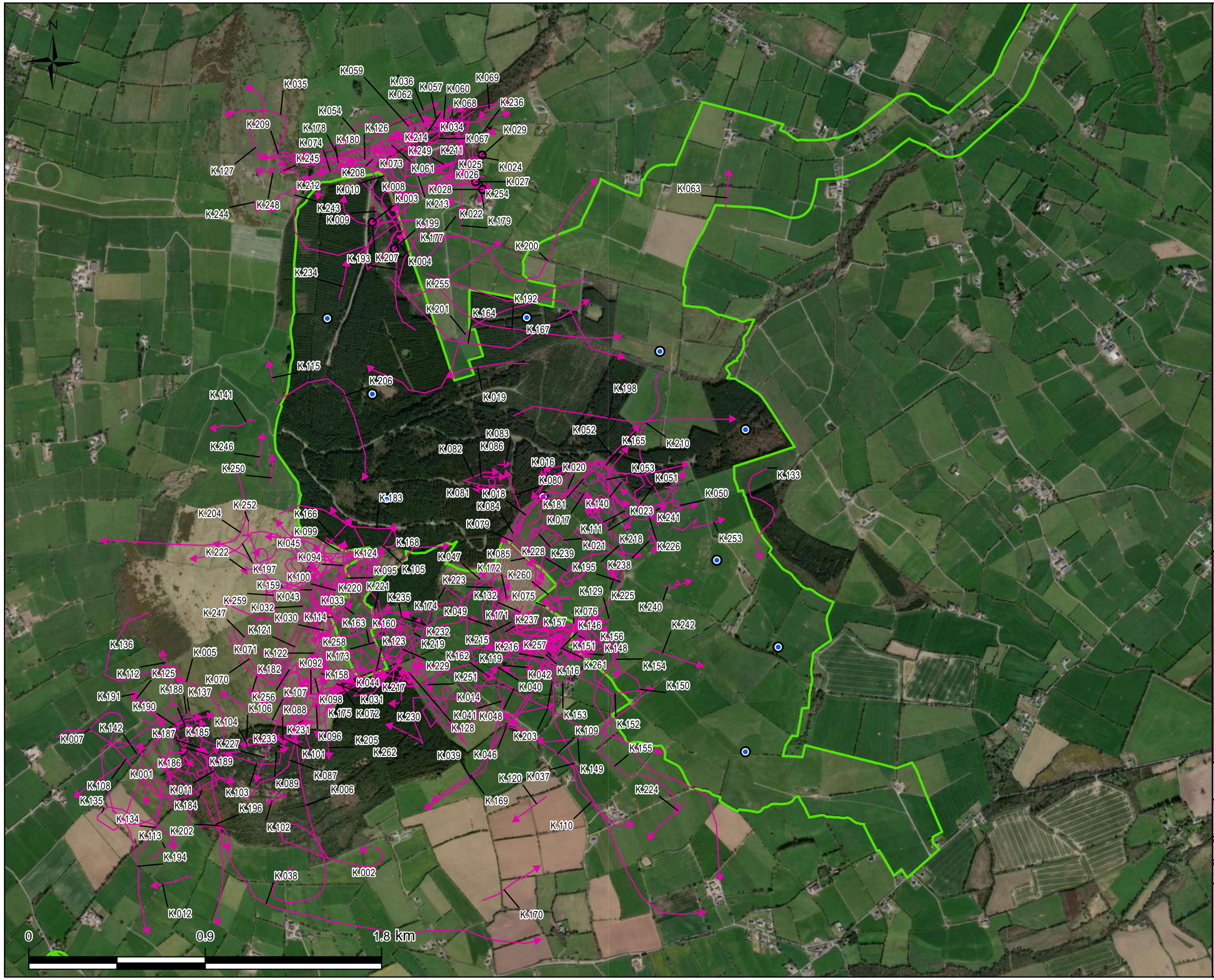
SITE LOCATION - NOT TO SCALE

Drawing Title
Grey Wagtail
Incidental Observations

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-20	1:58,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

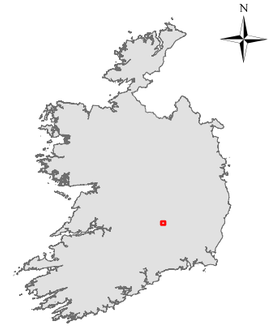


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Kestrel
Vantage Point Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-21	1:18,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

N

K.012
K.004
K.006
K.005
K.014
K.008
K.001
K.011
K.003
K.009
K.007
K.013
K.010
K.002

0 0.9 1.8 km

Map Legend

EIAR Site Boundary
Proposed Turbine Layout
Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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N

SITE LOCATION - NOT TO SCALE

Drawing Title
Kestrel
Winter Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-22	1:18,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

N

K.001
K.002
K.004
K.005
K.006
K.008
K.009
K.010
K.011
K.012
K.013
K.015
K.017
K.018
K.019
K.020
K.021
K.022
K.023
K.024
K.025
K.027
K.029
K.030
K.031
K.032
K.033
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K.035
K.036
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K.049

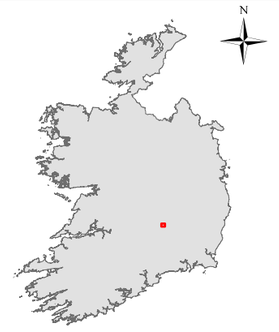
0 0.8 1.6 km

Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

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Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator



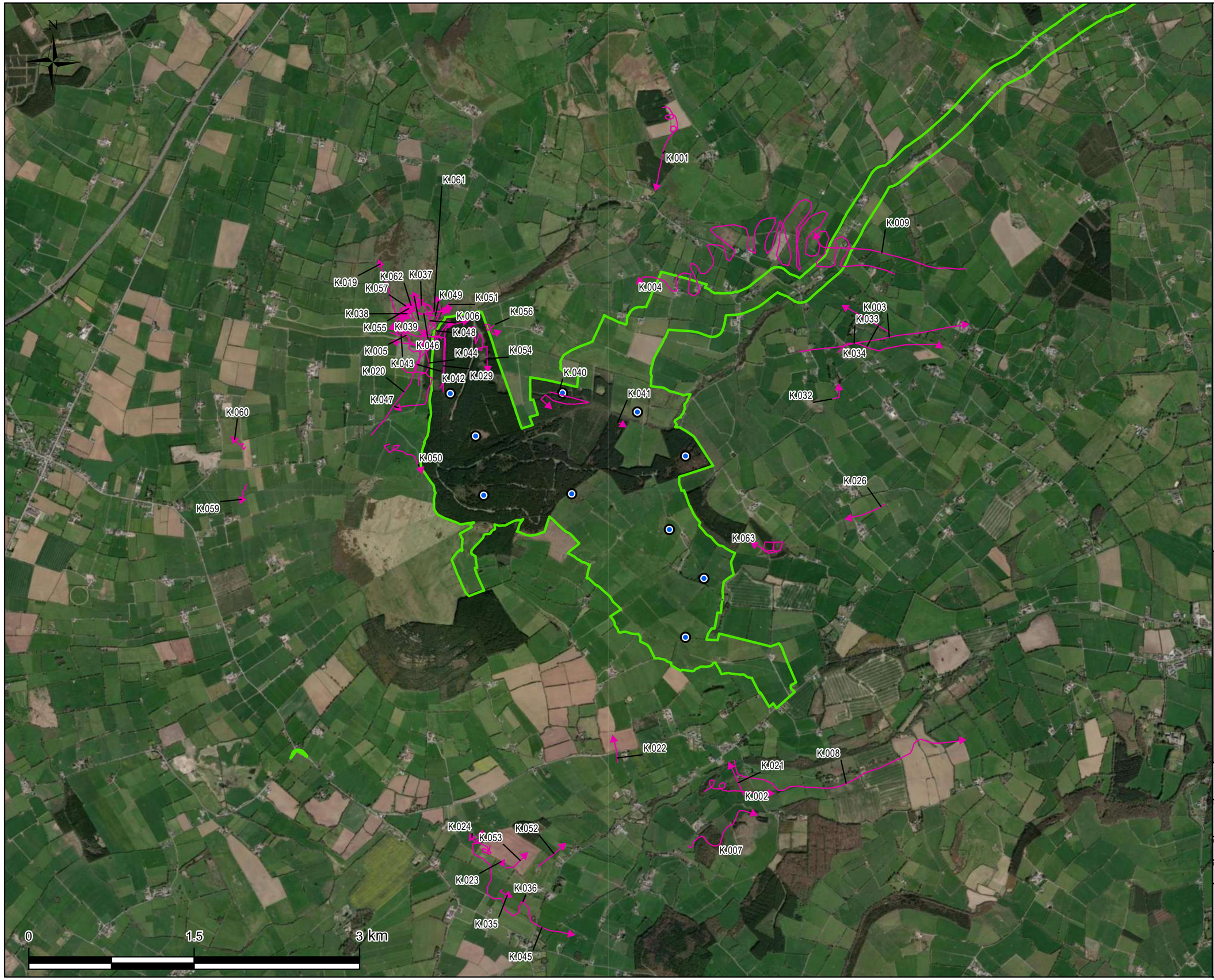
SITE LOCATION - NOT TO SCALE

Drawing Title
Kestrel
Breeding Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-23	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

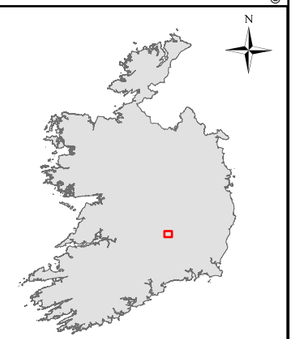


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Kestrel
Breeding Raptor Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-24	1:32,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

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Email: info@mkoireland.ie/ Website: www.mkoireland.ie

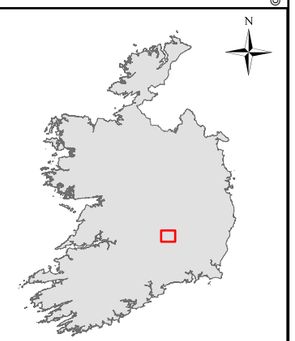


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Kestrel
Incidental Observations

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-25	1:60,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

N

L.002

L.001

0 0.9 1.8 km

Map Legend

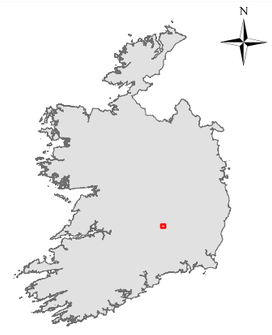
EIAR Site Boundary

Proposed Turbine Layout

Flight Observation

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Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator



SITE LOCATION - NOT TO SCALE

Drawing Title

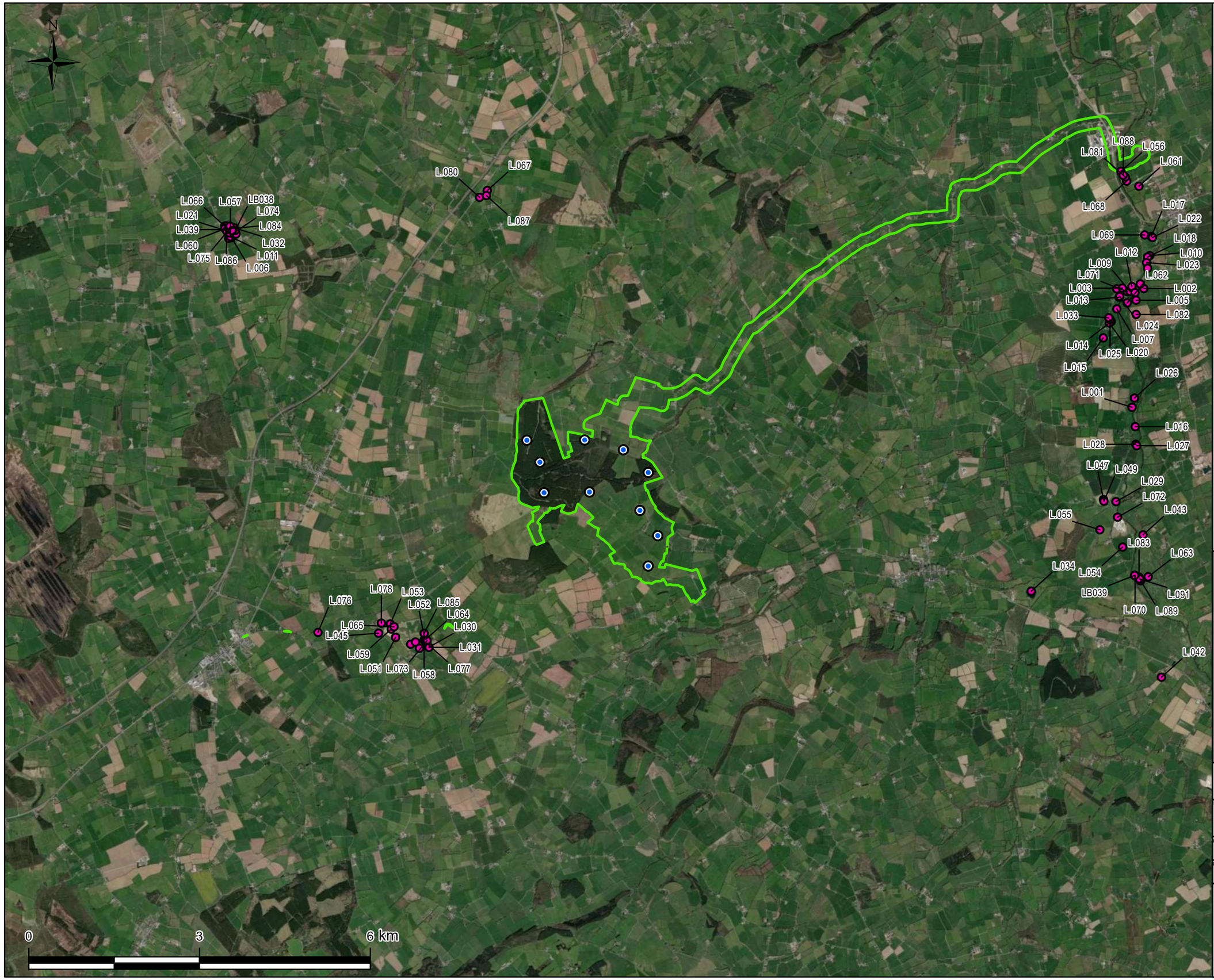
Lapwing
Vantage Point Survey

Project Title

Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-26	1:18,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

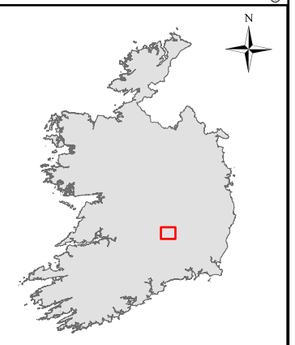


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Lapwing
Waterbird Distribution and Abundance Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-27	1:62,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

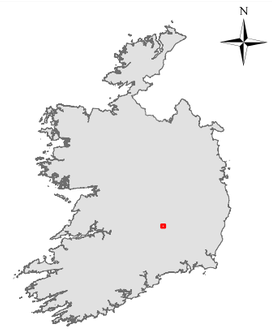


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Meadow Pipit
Vantage Point Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-28	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

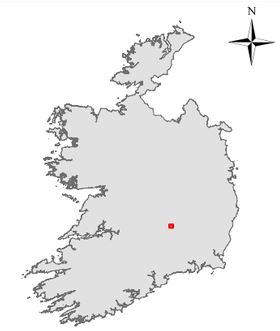


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator

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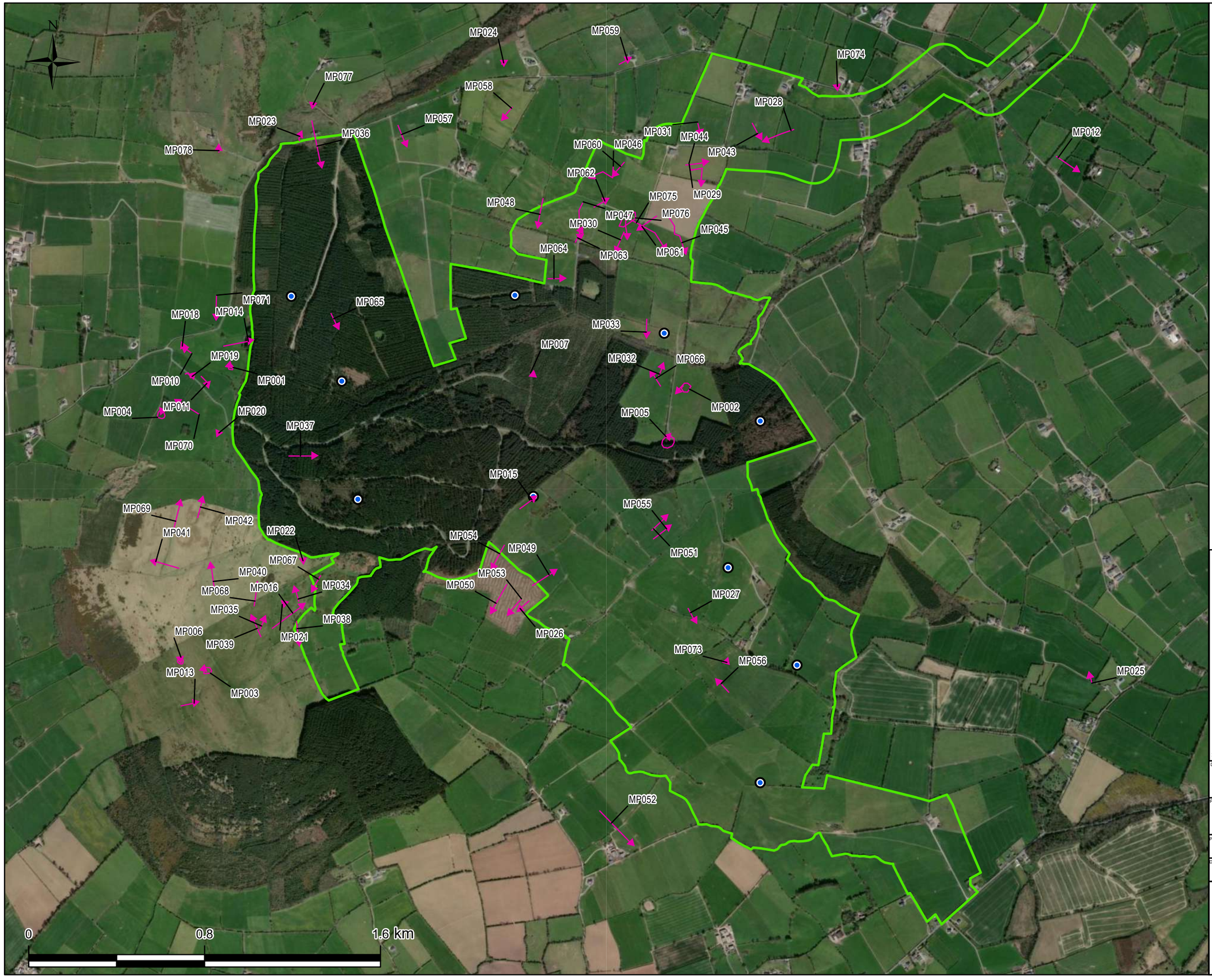
SITE LOCATION - NOT TO SCALE

Drawing Title
Meadow Pipit
Winter Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-29	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

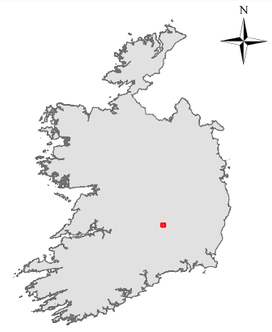
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Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator



SITE LOCATION - NOT TO SCALE

Drawing Title
Meadow Pipit
Breeding Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-30	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

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Map Legend

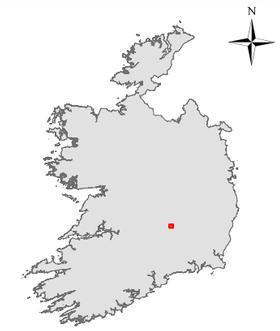
EIAR Site Boundary

Proposed Turbine Layout

Flight Observation

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Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator



SITE LOCATION - NOT TO SCALE

Drawing Title

Meadow Pipit
Incidental Observations

Project Title

Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-31	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

N

RE038
RE039
RE040
RE027
RE026
RE029
RE035
RE036
RE030
RE028
RE025
RE023
RE022
RE033
RE024
RE032
RE031
RE037
RE034

0 0.9 1.8 km

Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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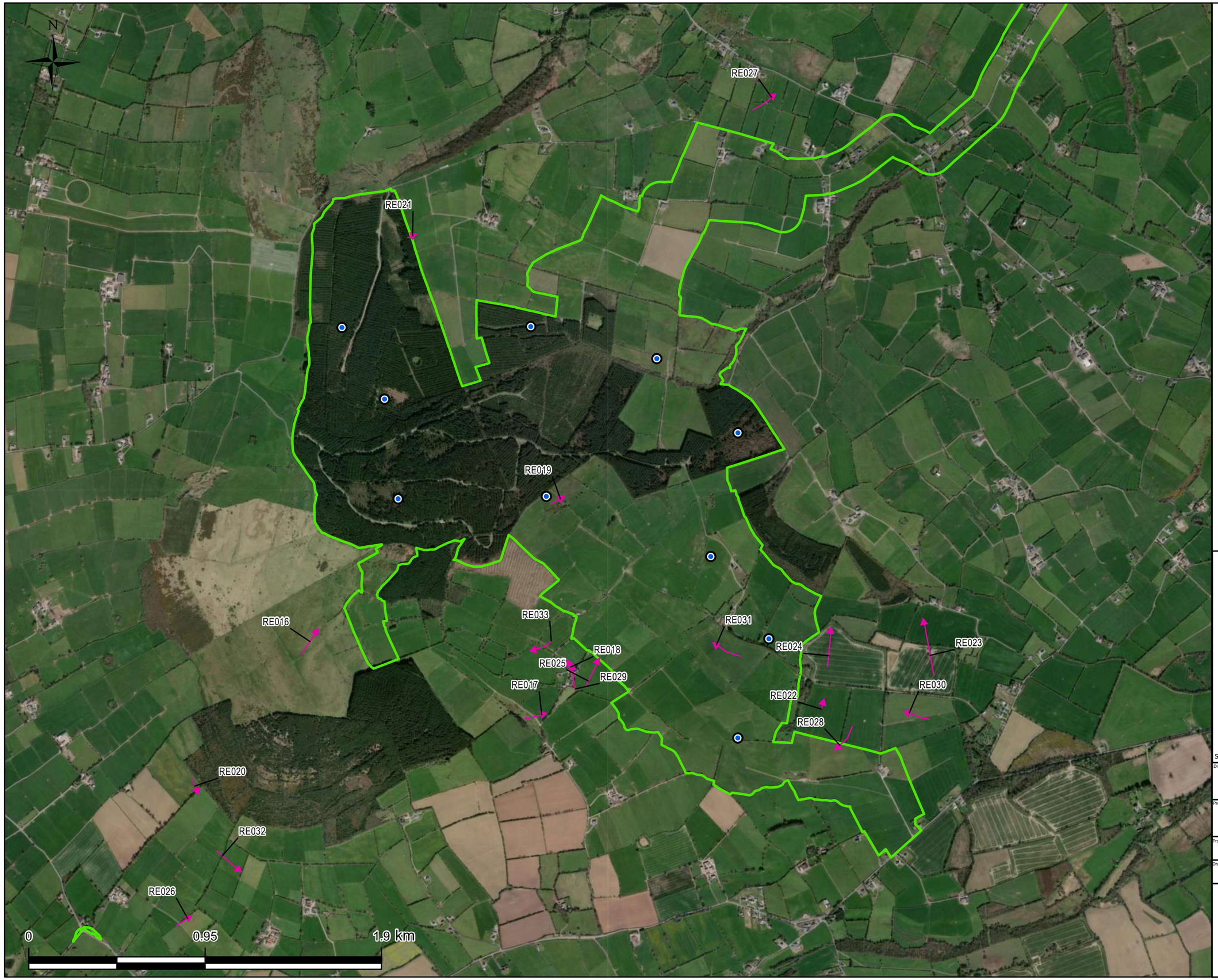
SITE LOCATION - NOT TO SCALE

Drawing Title
Redwing
Vantage Point Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-32	1:18,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

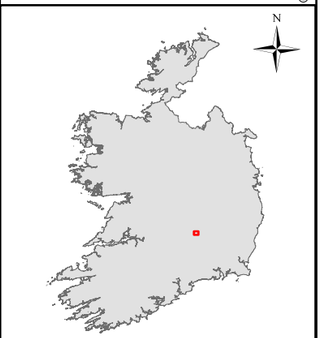


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Redwing
Winter Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-33	1:19,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

N

SN002
SN004
SN006
SN003
SN017
SN009
SN013
SN018
SN011
SN005
SN015
SN001
SN016
SN012
SN007
SN008
SN014
SN010

0 0.8 1.6 km

Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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N

SITE LOCATION - NOT TO SCALE

Drawing Title
Snipe
Vantage Point Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-34	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

MKO
Email: info@mkoireland.ie/ Website: www.mkoireland.ie

N

SN004

SN006

SN007

SN003

SN005

SN008

SN002

0 0.8 1.6 km

Map Legend

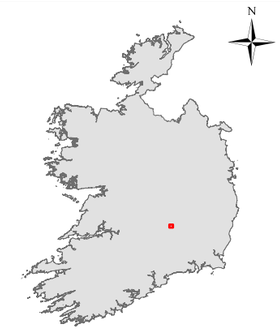
EIAR Site Boundary

Proposed Turbine Layout

Flight Observation

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Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator



SITE LOCATION - NOT TO SCALE

Drawing Title

Snipe
Winter Walkover Survey

Project Title

Killoshulan Wind Farm, Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-35	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

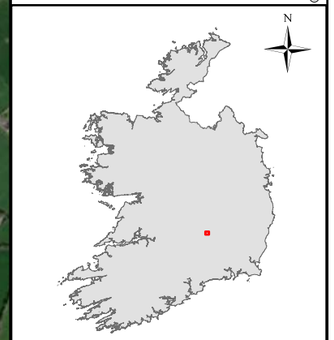


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Snipe
Breeding Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-36	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie



Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Snipe
Waterbird Distribution and Abundance Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-37	1:48,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

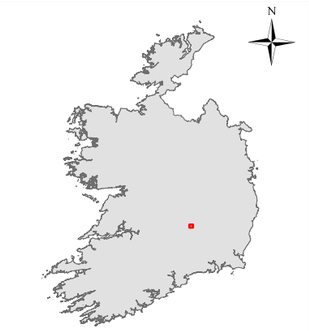


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Snipe
Incidental Observations

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-38	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

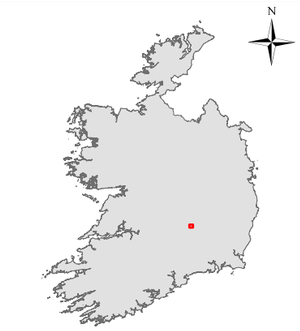


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Stock Dove
Vantage Point Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-39	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

N

SD001

SD002

0 0.8 1.6 km

Map Legend

EIAR Site Boundary

Proposed Turbine Layout

Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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N

SITE LOCATION - NOT TO SCALE

Drawing Title
Stock Dove
Winter Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-40	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

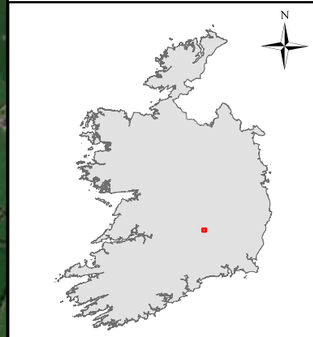


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Stock Dove
Breeding Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-41	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

N

SI003

SI004

SI002

SI006

SI005

0 0.9 1.8 km

Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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N

SITE LOCATION - NOT TO SCALE

Drawing Title
Swift
Vantage Point Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-42	1:18,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

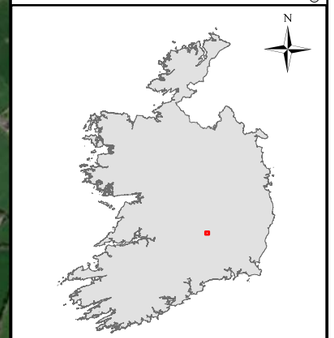


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Swift
Breeding Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-43	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

N

SI001

0 0.8 1.6 km

Map Legend

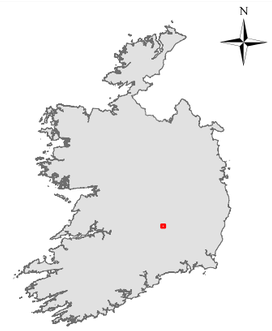
EIAR Site Boundary

Proposed Turbine Layout

Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Swift
Incidental Observations

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-44	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

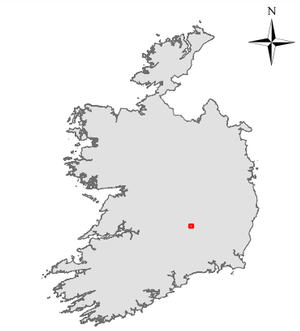


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Woodcock
Vantage Point Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-45	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

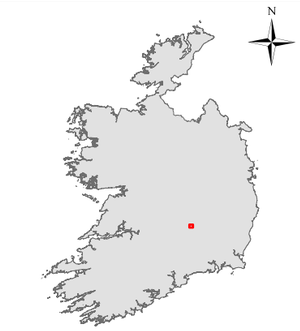


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

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Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator



SITE LOCATION - NOT TO SCALE

Drawing Title
Woodcock
Breeding Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-46	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

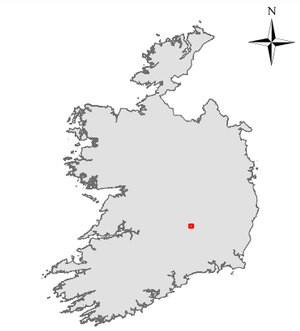
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Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator



SITE LOCATION - NOT TO SCALE

Drawing Title
Woodcock
Incidental Observations

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-47	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

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N

Y.001

0 0.8 1.6 km

Map Legend

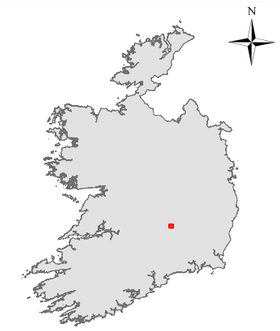
EIAR Site Boundary

Proposed Turbine Layout

Flight Observation

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Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator



SITE LOCATION - NOT TO SCALE

Drawing Title
Yellowhammer
Winter Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-48	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

N

Y.008
Y.002
Y.001
Y.011
Y.009
Y.016
Y.022
Y.017
Y.012
Y.021
Y.020
Y.024
Y.019
Y.015
Y.023
Y.018
Y.014
Y.006
Y.003
Y.005
Y.010
Y.007
Y.013

0 0.8 1.6 km

Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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N

SITE LOCATION - NOT TO SCALE

Drawing Title
Yellowhammer
Breeding Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-49	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

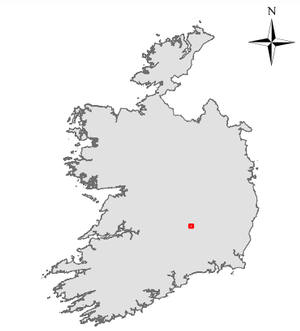


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

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Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator



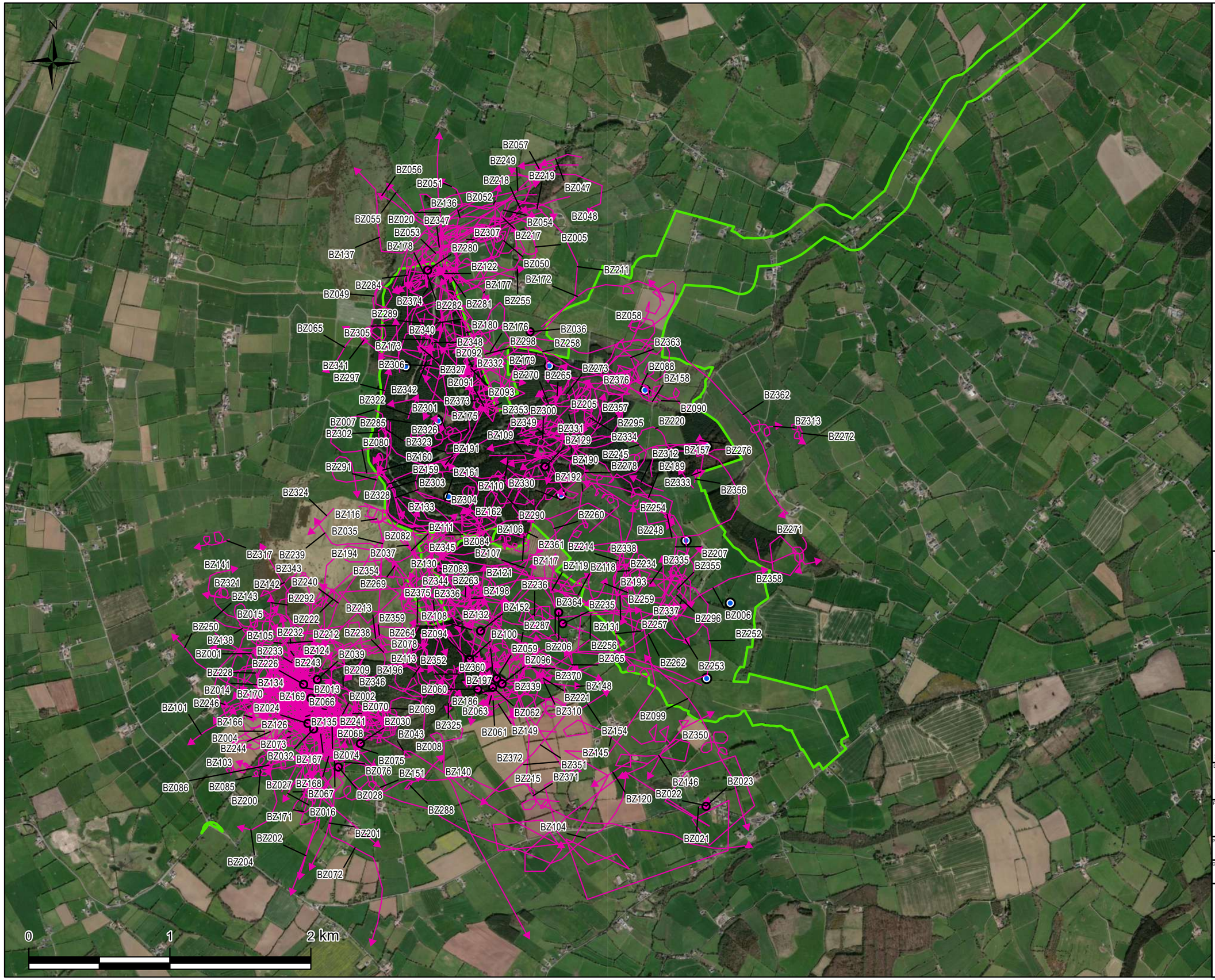
SITE LOCATION - NOT TO SCALE

Drawing Title
Yellowhammer
Incidental Observations

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-50	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

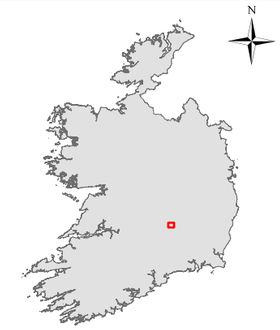


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Buzzard
Vantage Point Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-51	1:25,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

N

BZ027
BZ005
BZ011
BZ008
BZ004
BZ016
BZ015
BZ023
BZ010
BZ012
BZ019
BZ003
BZ007
BZ025
BZ013
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BZ020
BZ028
BZ001
BZ029
BZ014
BZ022
BZ018
BZ017
BZ006
BZ026
BZ009
BZ002
BZ021

0 0.9 1.8 km

Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

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Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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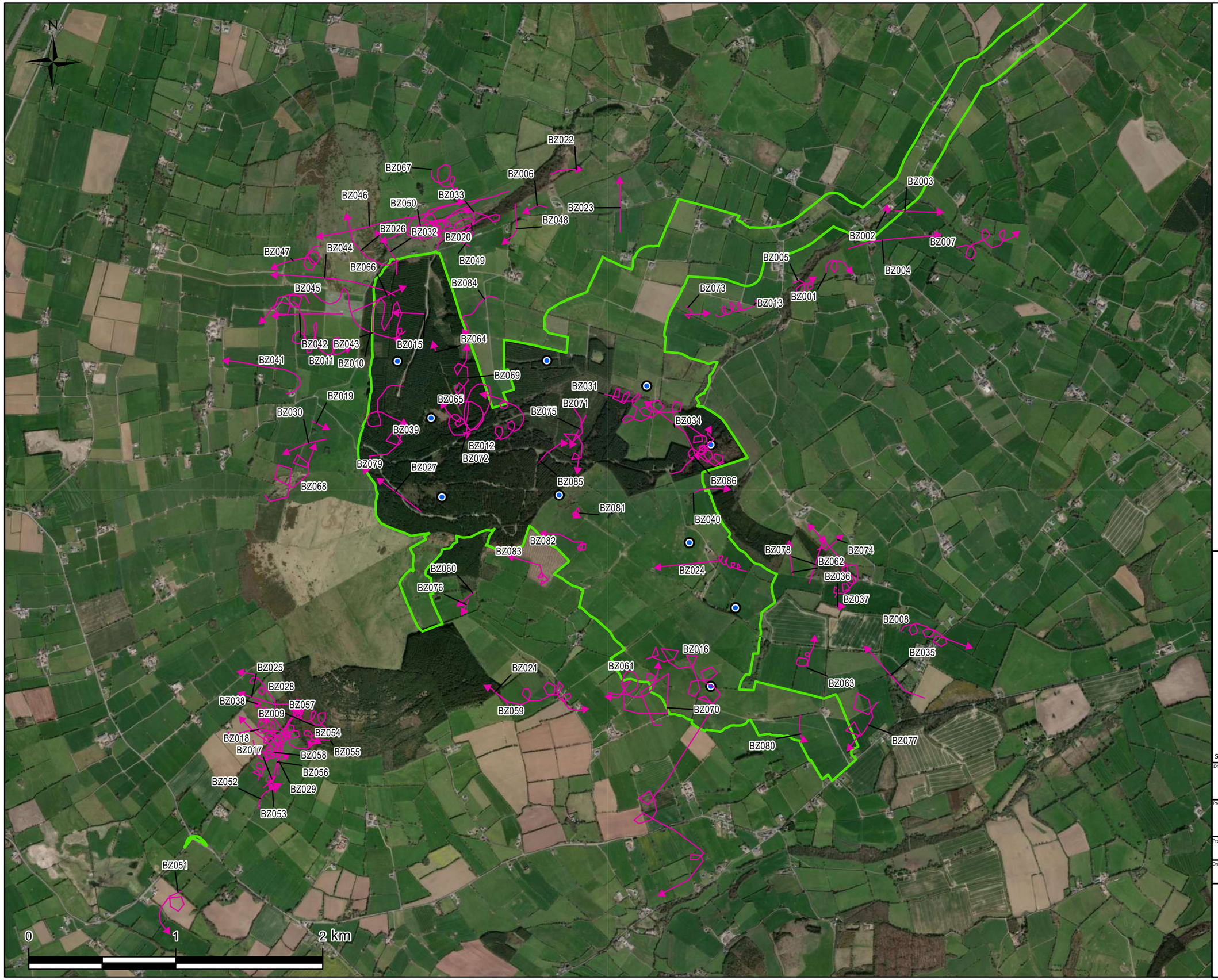
SITE LOCATION - NOT TO SCALE

Drawing Title
Buzzard
Winter Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-52	1:18,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

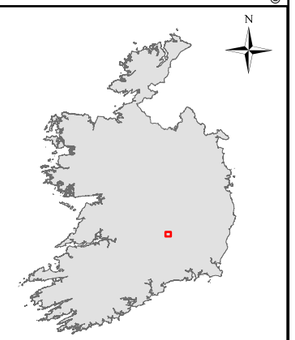


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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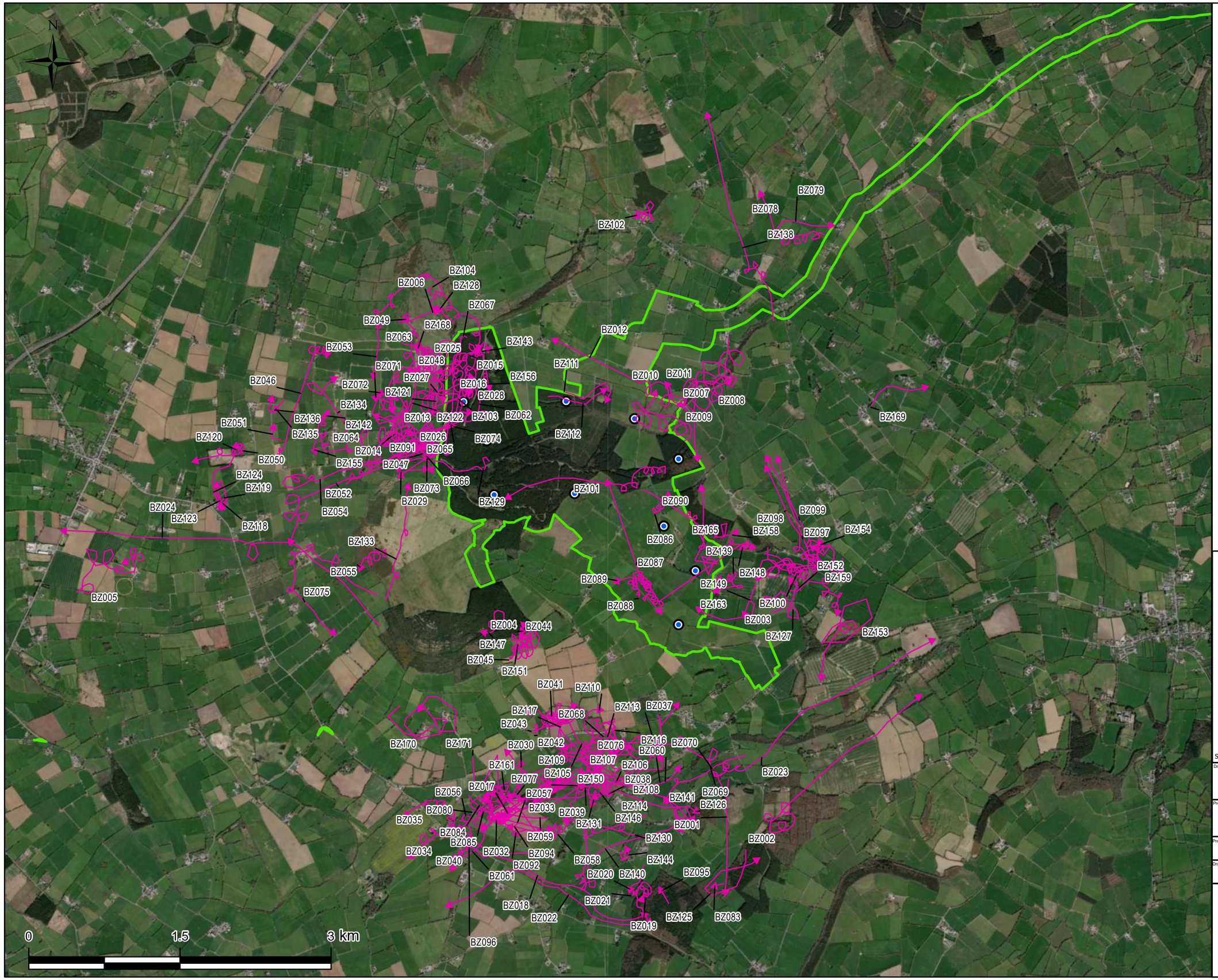
SITE LOCATION - NOT TO SCALE

Drawing Title
Buzzard
Breeding Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-53	1:24,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

MKO
Email: info@mkoireland.ie/ Website: www.mkoireland.ie

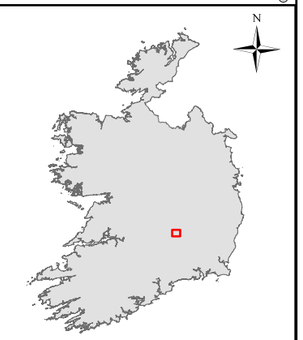


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
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Datum: IRENET95
Projection: Transverse Mercator

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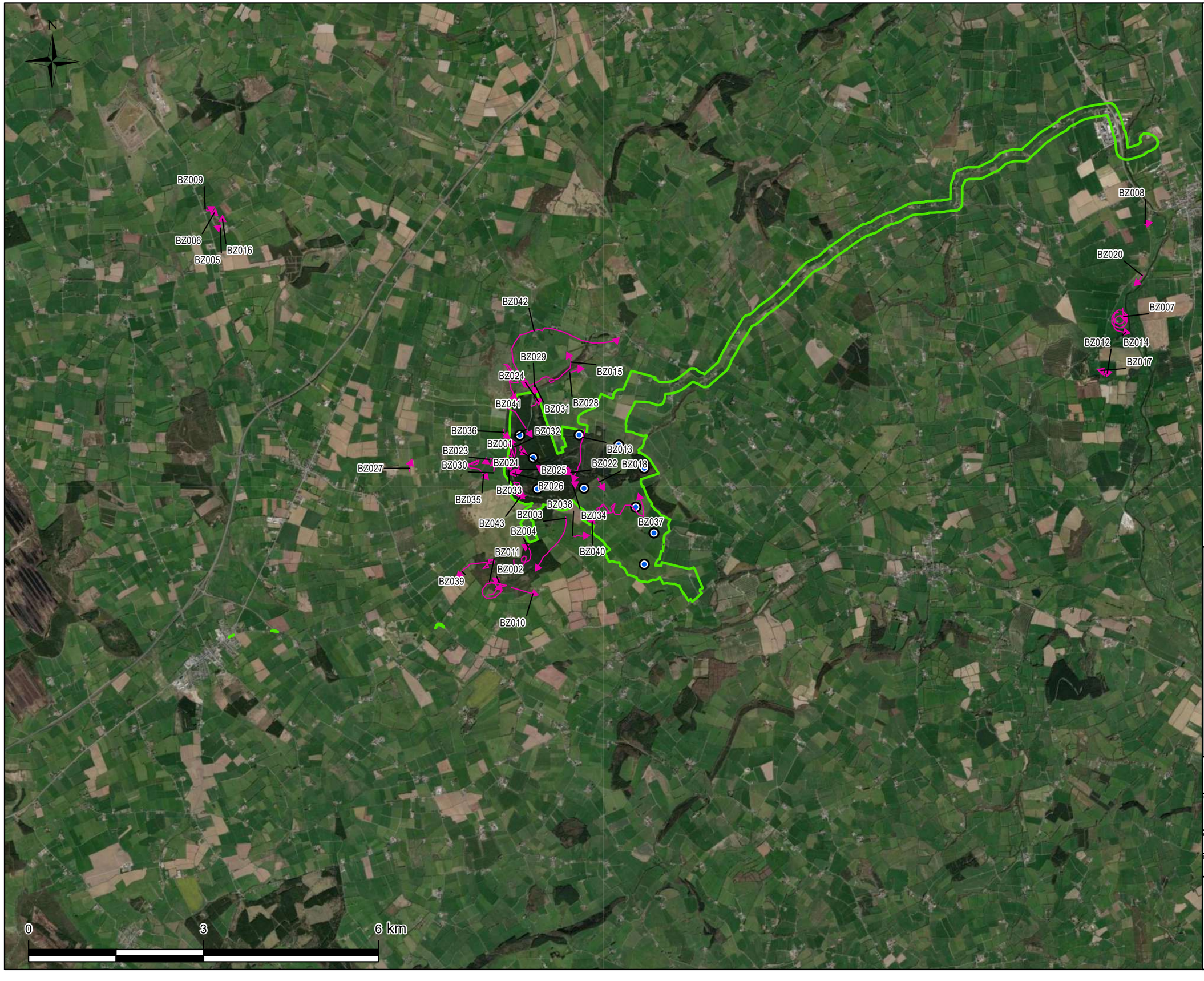
SITE LOCATION - NOT TO SCALE

Drawing Title
Buzzard
Breeding Raptor Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-54	1:35,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

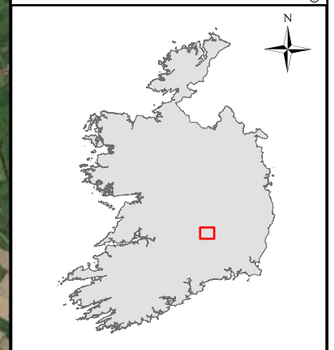


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

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Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator



SITE LOCATION - NOT TO SCALE

Drawing Title
Buzzard
Incidental Observations

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-55	1:60,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

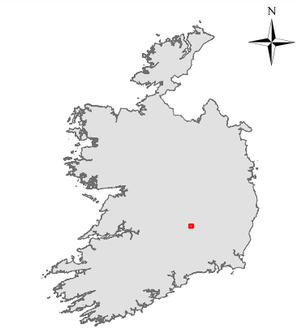


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Hobby
Breeding Raptor Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-56	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

N

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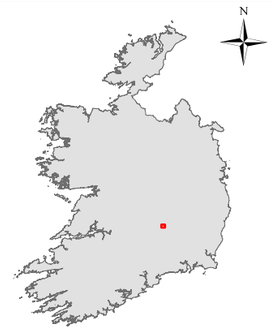
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Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Long-eared Owl
Vantage Point Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-57	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

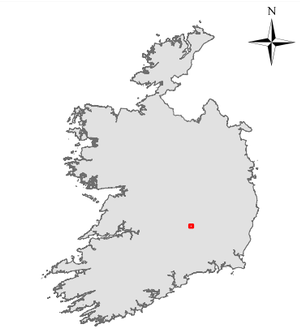


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Long-eared Owl
Winter Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-58	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

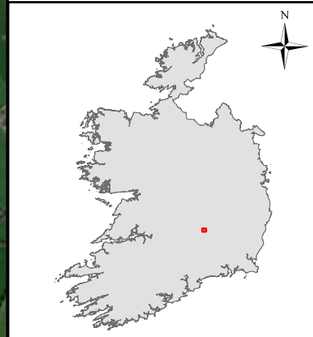


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

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Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator



SITE LOCATION - NOT TO SCALE

Drawing Title
Long-eared Owl
Incidental Observations

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-59	1:16,000
Drawn By	**Checked By**	**Date**
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

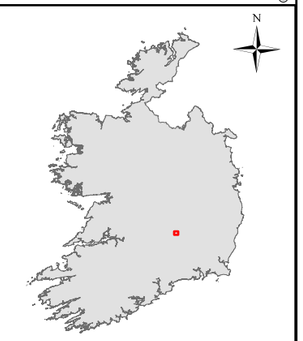


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Sparrowhawk
Vantage Point Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-60	1:18,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

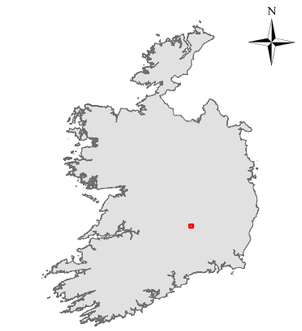


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Sparrowhawk
Winter Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-61	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

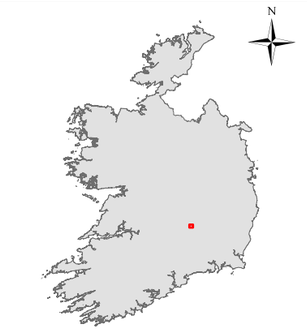


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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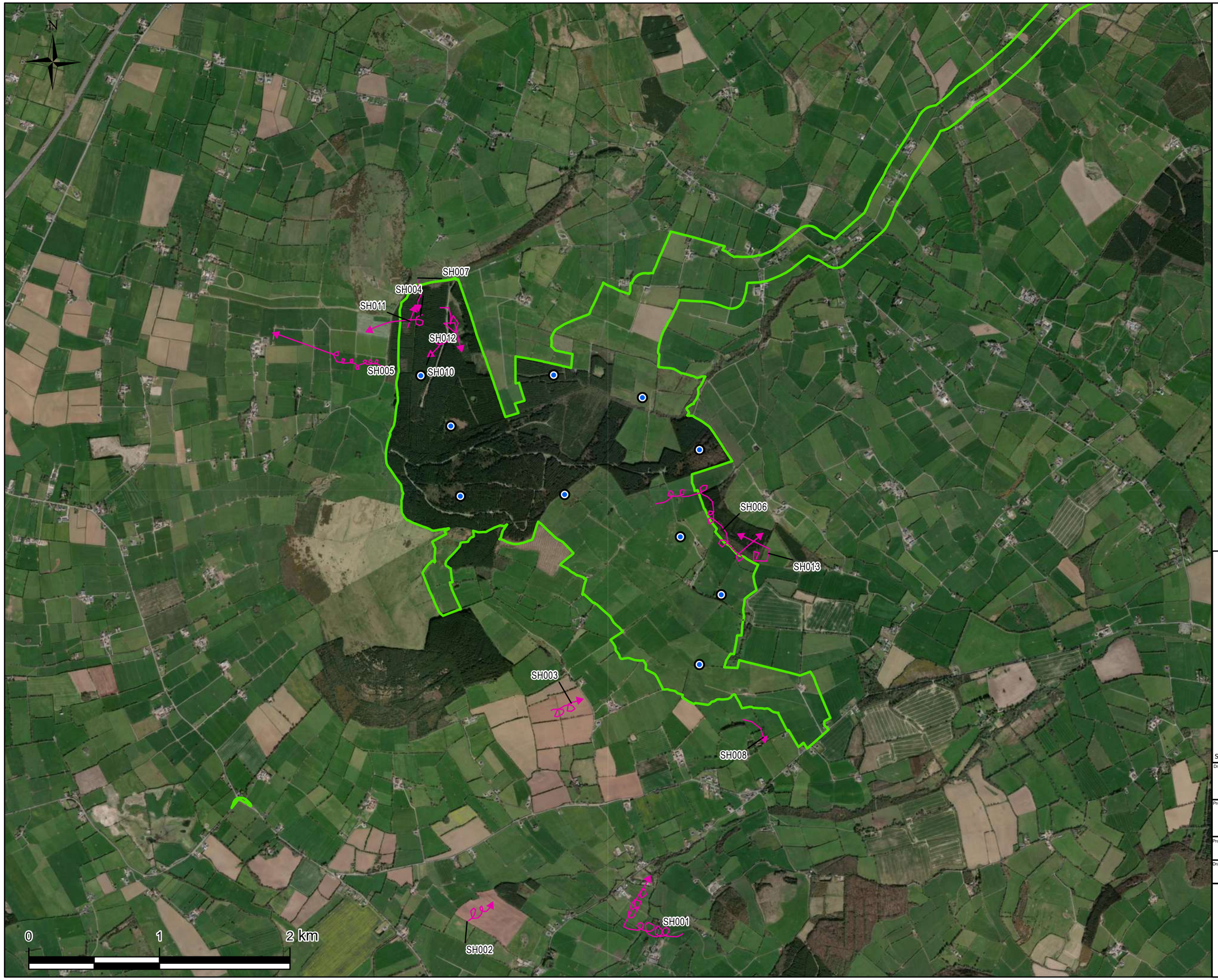
SITE LOCATION - NOT TO SCALE

Drawing Title
Sparrowhawk
Breeding Walkover Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-62	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

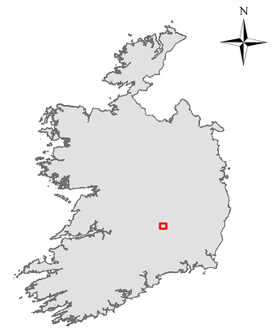


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Sparrowhawk
Breeding Raptor Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-63	1:27,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

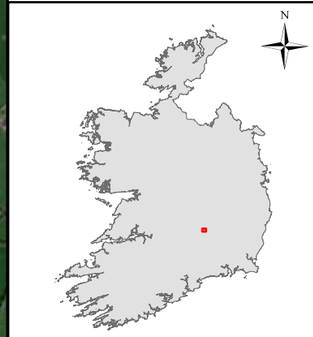


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

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Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator



SITE LOCATION - NOT TO SCALE

Drawing Title
Sparrowhawk
Incidental Observations

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-64	1:16,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

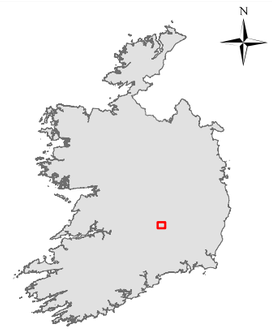


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Dunlin
Waterbird Distribution and Abundance Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-65	1:32,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

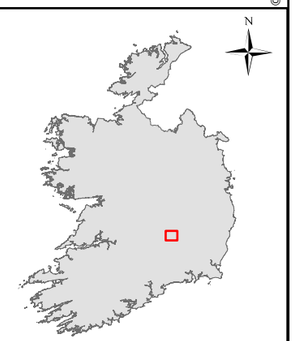


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Great White Egret
Waterbird Distribution and Abundance Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-66	1:50,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

N

ML001

ML002

ML003

0 1 2 km

Map Legend

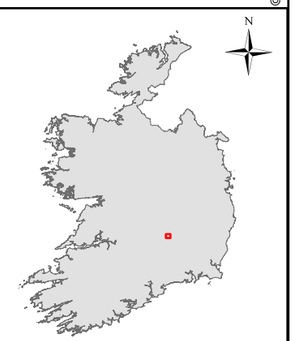
EIAR Site Boundary

Proposed Turbine Layout

Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title

Merlin
Vantage Point Survey

Project Title

Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-67	1:20,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

N

WE002

WE001

WE003

0 0.9 1.8 km

Map Legend

EIAR Site Boundary

Proposed Turbine Layout

Flight Observation

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Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

N

SITE LOCATION - NOT TO SCALE

Drawing Title
White-tailed Eagle
Vantage Point Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-68	1:18,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

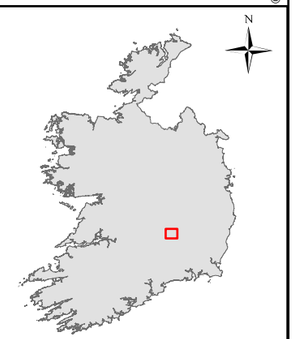


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
White-tailed Eagle
Incidental Observations

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-69	1:50,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

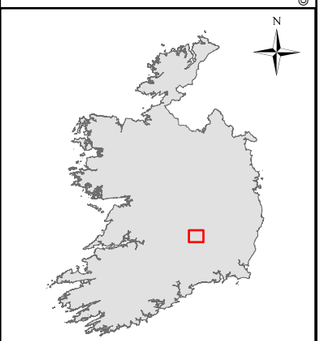


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Whooper Swan
Waterbird Distribution and Abundance Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-70	1:63,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

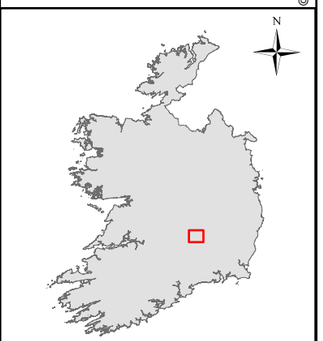


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation

Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator

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SITE LOCATION - NOT TO SCALE

Drawing Title
Curlew
Waterbird Distribution and Abundance Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-71	1:63,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie

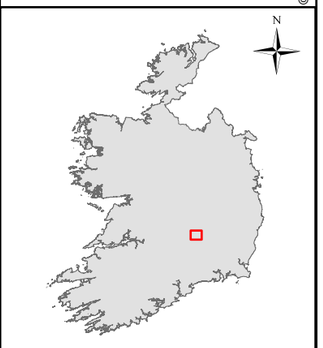


Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Non-Flight Observation

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Spatial Reference
Name: IRENET95 Irish Transverse Mercator
Datum: IRENET95
Projection: Transverse Mercator



SITE LOCATION - NOT TO SCALE

Drawing Title
Shoveler
Waterbird Distribution and Abundance Survey

Project Title
Killoshulan Wind Farm,
Co. Kilkenny

Project No.	Drawing No.	Scale
260172	7-4-72	1:48,000
Drawn By	Checked By	Date
MNR	CMcK	08/10/2026

Email: info@mkoireland.ie/ Website: www.mkoireland.ie