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APPENDIX 7-4b

SURVEY DATA



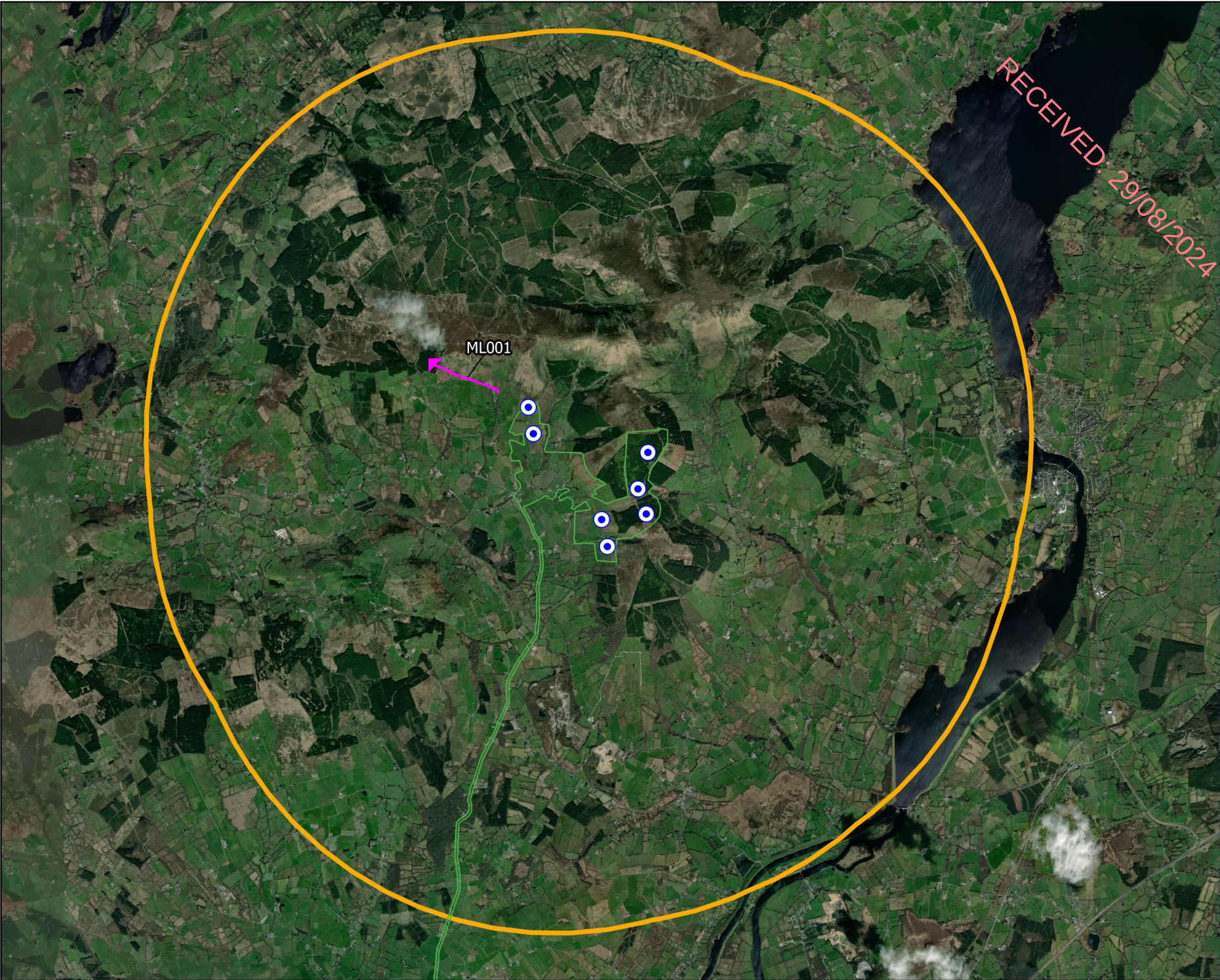
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2.

MERLIN

Table 7-4- 7 Merlin Incidental Observation Data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ML001	Hen Harrier Roost Survey; HHVP3	24/10/2020	16:40	Merlin	1	semi-natural grassland; travelling	AR



Map Legend

- EIAR Site Boundary
- 5km Survey Radius
- Turbine Locations
- Flightline



Drawing Title	
Merlin Incidental Observations	
Project Title	
Lackareagh Wind Farm, Co. Clare	
Drawn By	Checked By
SA	KS
Project No.	Drawing No.
220245	Fig. 7-4-7
Scale	Date
1:75,000	14/05/2024
MKO Planning and Environmental Consultants Tuam Road, Galway Ireland, H91 VW84 +353 (0) 91 735611 email: info@mkofireland.ie Website: ww.mkofireland.ie	

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3.

PEREGRINE FALCON

Table 7-4-8 Peregrine Falcon Vantage Point Survey Data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
PE001	VP3	26/10/2020	15:09	Peregrine Falcon	1	10	10	0	0	0	dry calcareous and neutral grassland and oak-ash-hazel woodland; travelling	AR
PE002	VP3	13/04/2021	15:53	Peregrine Falcon	1	7	7	0	0	0	improved agricultural grassland and buildings and artificial surfaces; hunting, chasing a female blackbird into scrub, lost in and flew away through farmyard	CMC
PE003	VP2	14/12/2021	13:23	Peregrine Falcon	1	250	15	80	155	0	bogs; hunting, interacting, high circling flight and steep glide, interacting with kestrel briefly	TR
PE004	VP3a	15/12/2021	13:32	Peregrine Falcon	1	540	45	60	320	120	bogs; hunting, chasing passerines	TR
PE005	VP3a	25/02/2022	11:00	Peregrine Falcon	1	90	30	20	40	0	conifer plantation; flight, low over forestry before ascending higher	TR
PE006	VP4a	18/08/2022	13:23	Peregrine Falcon	1	25	0	10	15	0	improved agricultural grassland; mobbed	JG
PE007	VP4a	05/09/2022	18:51	Peregrine Falcon	1	38	20	18	0	0	improved agricultural grassland; hunting	JG
PE008	VP3a	07/10/2022	10:13	Peregrine Falcon	1	45	0	0	45	0	improved agricultural grassland; hunting, travelling flight, adult	JG
PE009	VP2	17/10/2022	10:41	Peregrine Falcon	1	158	30	100	28	0	improved agricultural grassland, scrub and hedgerows; hunting, mobbed	JG

Table 7-4- 9 Peregrine Falcon Breeding Walkover Survey Data

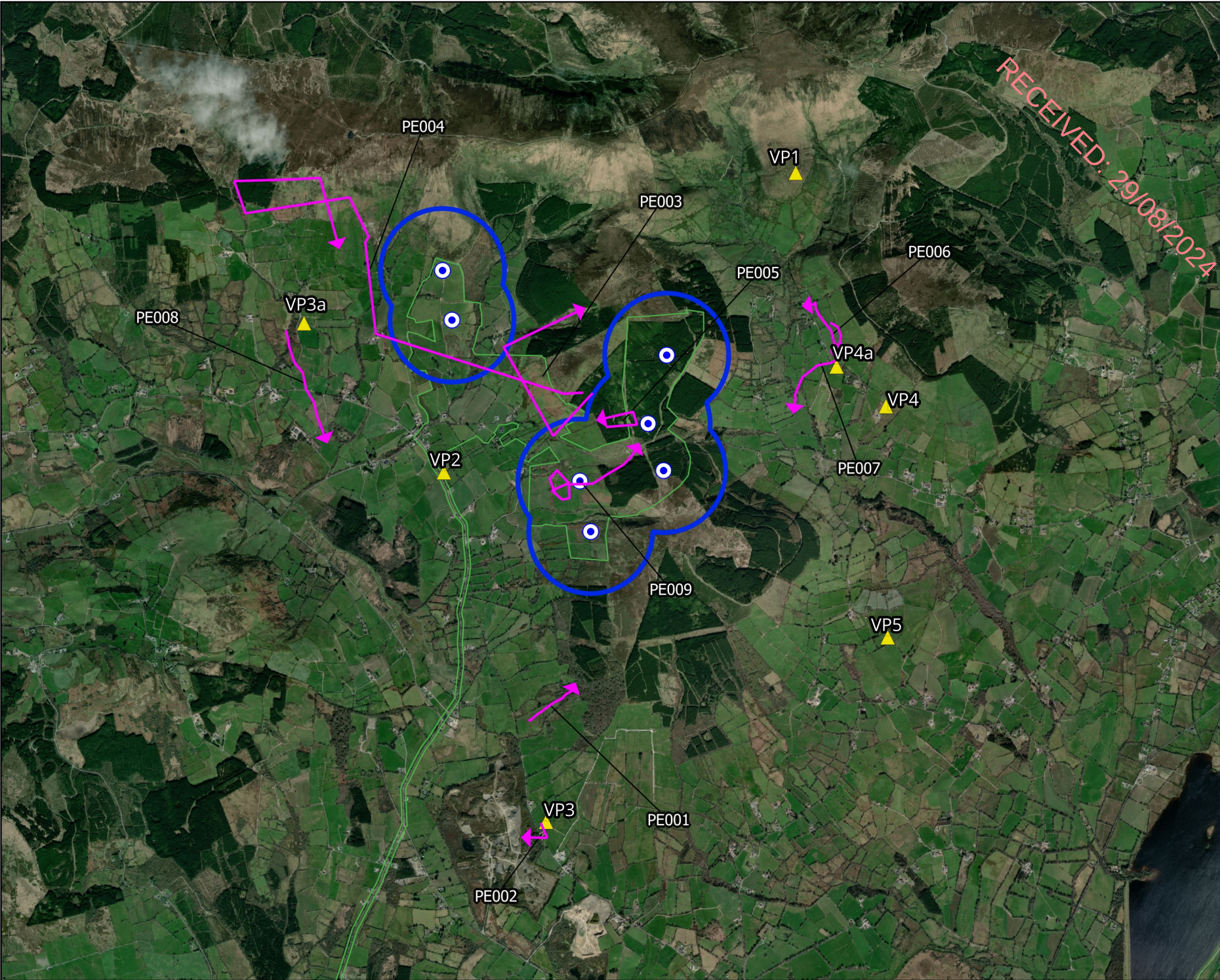
Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
PE001	09/06/2022	17:31	Peregrine Falcon	1	improved agricultural grassland; hunting (suitable nesting habitat; possible breeder)	JG
PE002	27/06/2022	11:45	Peregrine Falcon	1	upland blanket bog; travelling flight (suitable nesting habitat; possible breeder)	JG

Table 7-4- 10 Peregrine Falcon Breeding Raptor Survey Data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
PE001	BRVP7	17/06/2021	11:43	Peregrine Falcon	1	active quarries and mines, perched, peregrine falcon perched on exposed rock of a quarry wall. whitewashing underneath and in other areas of exposed rock	suitable nesting habitat; possible breeder	CMC
PE006	BRVP7	08/06/2022	18:08	Peregrine Falcon	1	active quarries and mines, scrub and improved agricultural grassland, hunting, hunting adult at quarry, Meadow Pipit perched on tree for approx. 30mins	suitable nesting habitat; possible breeder	JG
PE008	BRVP6	01/07/2022	18:48	Peregrine Falcon	1	active quarries and mines and improved agricultural grassland, hunting, travelling flight	suitable nesting habitat; possible breeder	JG

Table 7-4- 11 Peregrine Falcon Winter Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
PE001	10/02/2021	11:57	Peregrine Falcon	2	conifer plantation; soaring (wintering)	JK
PE002	28/03/2023	18:30	Peregrine Falcon	1	improved agricultural grassland, hedgerows and scrub; hunting, seen stoop and chase passerines, not sure if successful hunt (wintering)	JG



Map Legend

- EIAR Site Boundary
- 500m Radius of Turbines
- VP Locations
- Turbine Locations
- Flightline

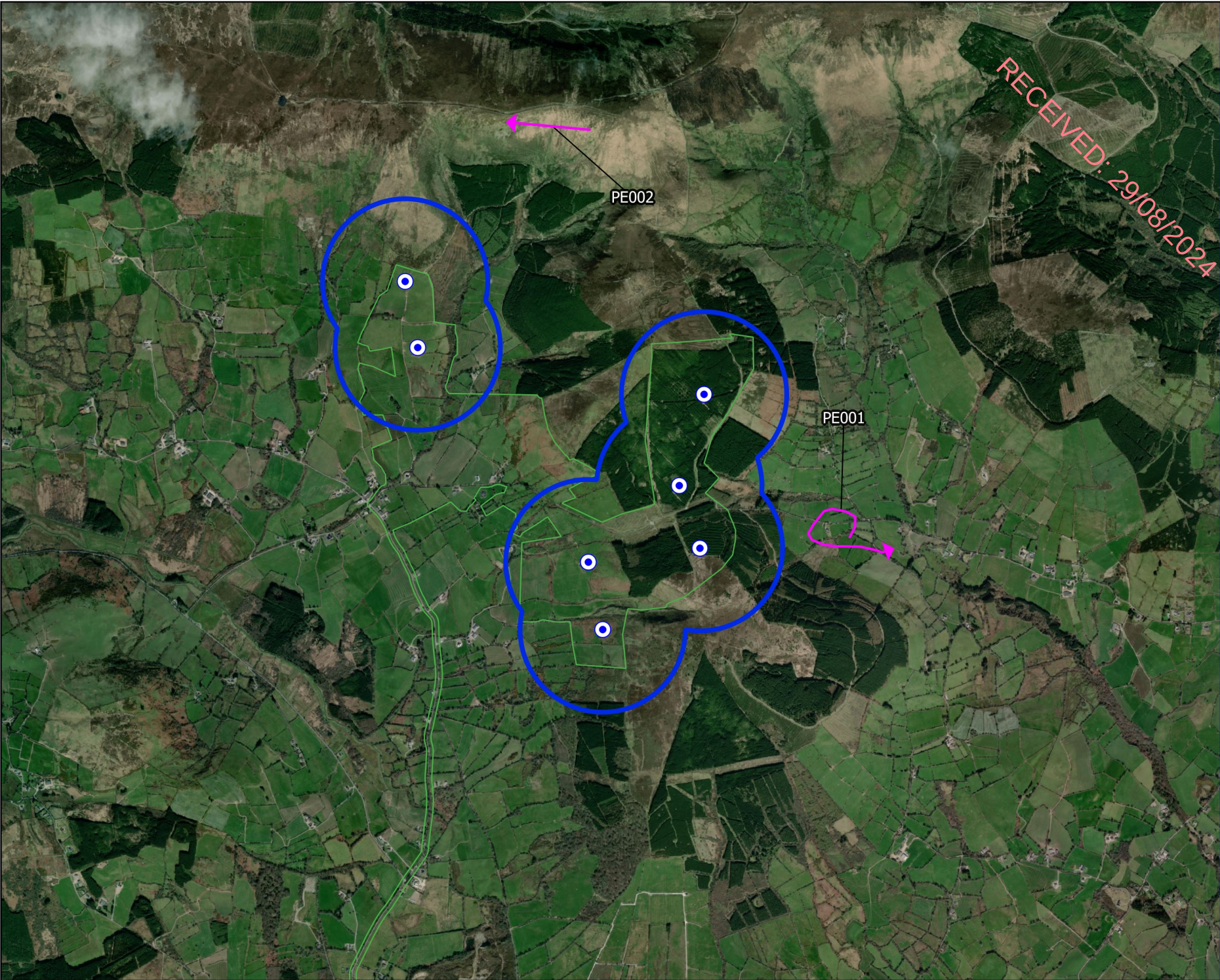
Drawing Title
**Peregrine Falcon Observations
Vantage Point Surveys**

Project Title
**Lackareagh Wind Farm,
Co. Clare**

Drawn By SA	Checked By KS
Project No. 220245	Drawing No. Fig. 7-4-8
Scale 1:40,000	Date 14/05/2024

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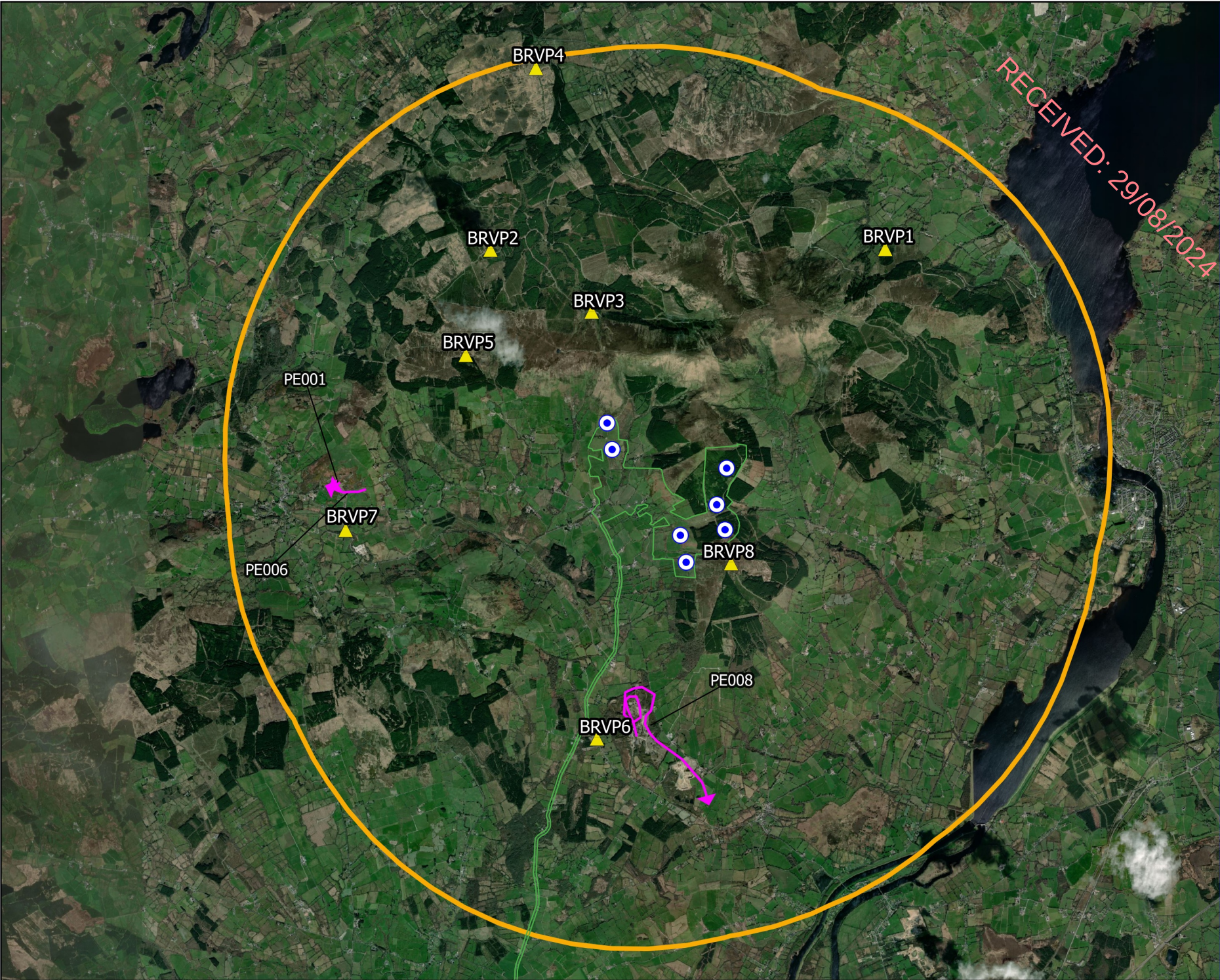


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- Map Legend
- EIA Site Boundary
 - 500m Radius of Turbines
 - Turbine Locations
 - Flightline



Drawing Title	
Peregrine Falcon Observations Breeding Walkover Surveys	
Project Title	
Lackareagh Wind Farm, Co. Clare	
Drawn By	Checked By
SA	KS
Project No.	Drawing No.
220245	Fig. 7-4-9
Scale	Date
1:30,000	14/05/2024
MKO Planning and Environmental Consultants Tuam Road, Galway Ireland, H91 VV84 +353 (0) 91 735611 email: info@mkofireland.ie Website: ww.mkofireland.ie	



Map Legend

- EIR Site Boundary
- 5km Survey Radius
- Breeding Raptor VP Locations
- Turbine Locations
- Flightline

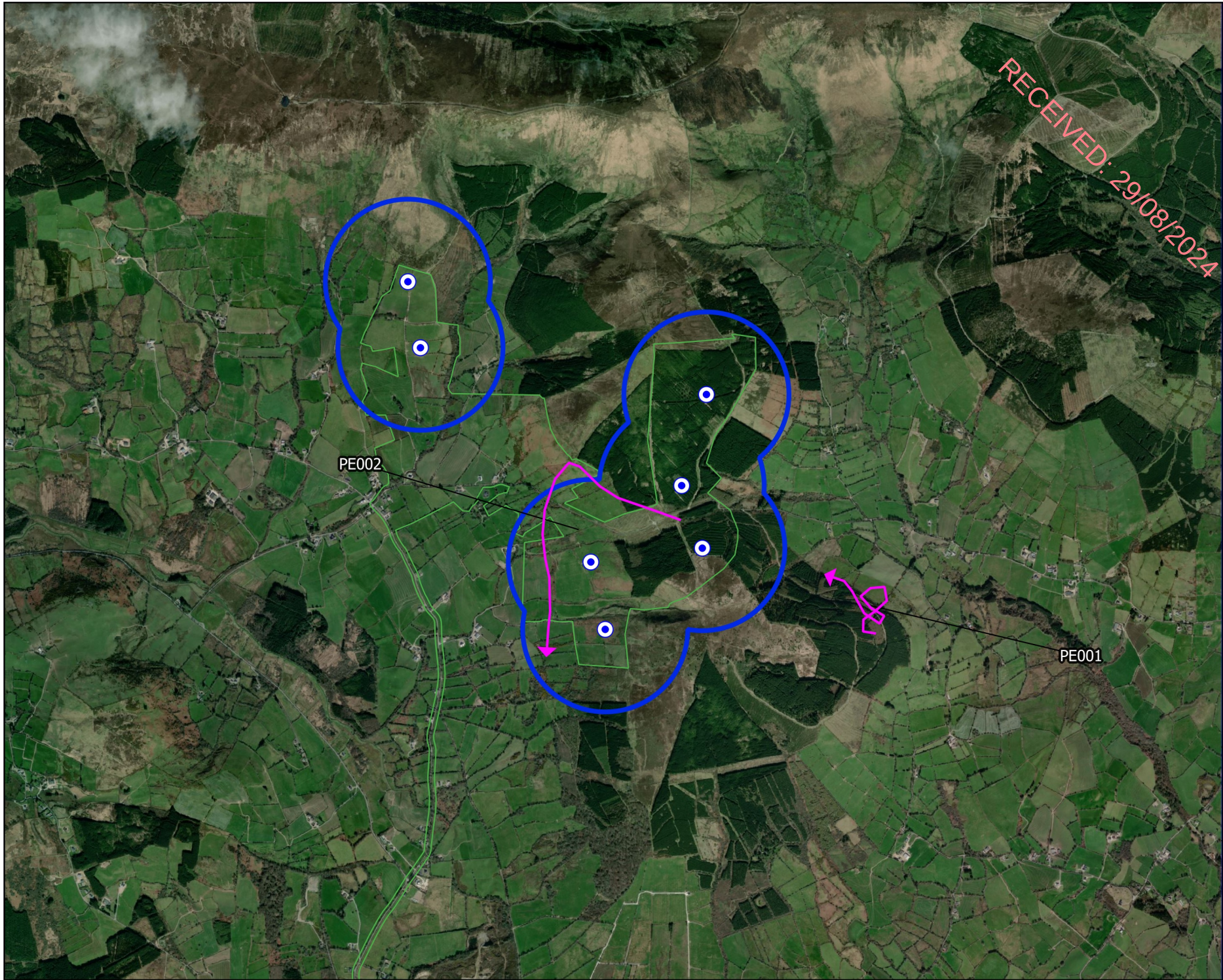
Drawing Title
**Peregrine Falcon Observations
Breeding Raptor Surveys**

Project Title
**Lackareagh Wind Farm,
Co. Clare**

Drawn By SA	Checked By KS
Project No. 220245	Drawing No. Fig. 7-4-10
Scale 1:75,000	Date 14/05/2024

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Map Legend

-  EIAR Site Boundary
-  500m Radius of Turbines
-  Turbine Locations
-  Flightline



Drawing Title
Peregrine Falcon Observations
Winter Walkover Surveys

Project Title
Lackareagh Wind Farm,
Co. Clare

Drawn By SA	Checked By KS
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Project No. 220245	Drawing No. Fig. 7-4-11
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Scale 1:30,000	Date 14/05/2024
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4.

KESTREL

Table 7-4- 12 Kestrel Vantage Point Survey Data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.001	VP2	02/10/2020	14:08	Kestrel	1	57	10	47	0	0	conifer plantation and improved agricultural grassland; hunting, descending	JH
K.002	VP2	02/10/2020	14:17	Kestrel	1	196	0	40	100	56	improved agricultural grassland and conifer plantation; circling, flying	JH
K.003	VP2	02/10/2020	14:54	Kestrel	1	206	20	186	0	0	conifer plantation and upland blanket bog; hunting, hovering	JH
K.004	VP2	02/10/2020	16:13	Kestrel	1	258	32	226	0	0	conifer plantation and upland blanket bog; hunting, hovering, flying	JH
K.005	VP2	02/10/2020	17:14	Kestrel	1	140	140	0	0	0	improved agricultural grassland, scrub and upland blanket bog; hunting, hovering	JH
K.006	VP2	02/10/2020	19:13	Kestrel	1	485	160	325	0	0	upland blanket bog, conifer plantation and improved agricultural grassland; hunting, hovering	JH
K.007	VP3	26/10/2020	12:56	Kestrel	1	60	0	60	0	0	dry calcareous and neutral grassland; hunting, hovering	AR
K.008	VP3	26/10/2020	13:15	Kestrel	1	120	30	30	60	0	oak-ash-hazel woodland and conifer plantation; hunting, hovering	AR
K.009	VP3	26/10/2020	13:31	Kestrel	1	80	80	0	0	0	dry calcareous and neutral grassland and hedgerows; travelling	AR
K.010	VP3	26/10/2020	13:56	Kestrel	1	60	30	30	0	0	oak-ash-hazel woodland; hunting, hovering	AR
K.011	VP3	26/10/2020	14:10	Kestrel	1	40	0	40	0	0	dry calcareous and neutral grassland; hunting, hovering	AR
K.012	VP3	26/10/2020	14:40	Kestrel	1	90	20	70	0	0	dry calcareous and neutral grassland; travelling	AR
K.013	VP3	26/10/2020	15:01	Kestrel	1	30	0	30	0	0	dry calcareous and neutral grassland and conifer plantation; hunting, hovering	AR
K.014	VP3	26/10/2020	16:41	Kestrel	1	90	30	30	30	0	conifer plantation; hunting, hovering	AR
K.015	VP3	26/10/2020	16:47	Kestrel	1	30	0	0	30	0	dry calcareous and neutral grassland; hunting, hovering	AR
K.016	VP3	26/10/2020	17:07	Kestrel	1	20	0	0	20	0	conifer plantation; hunting, hovering	AR
K.017	VP5	28/10/2020		Kestrel	1	30	0	30	0	0	improved agricultural grassland; flying, adult male	JK

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.018	VP5	28/10/2020		Kestrel	1	40	40	0	0	0	improved agricultural grassland; flying	JK
K.019	VP4	18/11/2020	10:55	Kestrel	1	20	0	20	0	0	improved agricultural grassland; mobbing	TR
K.020	VP4	18/11/2020	11:54	Kestrel	1	15	15	0	0	0	improved agricultural grassland; hunting	TR
K.021	VP5	25/11/2020	11:27	Kestrel	1	5	0	5	0	0	conifer plantation; flight, landing on conifer	TR
K.022	VP3	26/11/2020		Kestrel	1	210	210	0	0	0	improved agricultural grassland; hunting	JK
K.023	VP1	30/11/2020	10:15	Kestrel	1	15	0	15	0	0	scrub and wet grassland; flight, male	TR
K.024	VP2	14/12/2020	12:13	Kestrel	1	330	0	330	0	0	upland blanket bog; hunting, hunt	TR
K.025	VP2	14/12/2020	12:40	Kestrel	1	240	30	210	0	0	semi-natural grassland, upland blanket bog and conifer plantation; hunting, hunt	TR
K.026	VP2	14/12/2020	12:47	Kestrel	1	55	55	0	0	0	improved agricultural grassland; hunting, hunt	TR
K.027	VP2	14/12/2020	13:20	Kestrel	1	45	45	0	0	0	upland blanket bog; hunting, hunt	TR
K.028	VP2	14/12/2020	13:26	Kestrel	1	55	30	25	0	0	scrub; hunting, hunt	TR
K.029	VP2	14/12/2020	15:32	Kestrel	1	5	5	0	0	0	hedgerows; flying, perched, perched	TR
K.030	VP4	15/12/2020		Kestrel	1	80	0	70	10	0	dense bracken; hunting	JK
K.031	VP3	17/12/2020	11:15	Kestrel	1	360	100	260	0	0	improved agricultural grassland and conifer plantation; hunting, interacting, interacting with kestrel	TR
K.032	VP3	17/12/2020	11:50	Kestrel	1	100	50	50	0	0	conifer plantation, improved agricultural grassland and wet grassland; hunting, hunt	TR
K.033	VP3	17/12/2020	12:19	Kestrel	1	60	0	60	0	0	wet grassland and conifer plantation; hunting, hunting	TR
K.034	VP3	17/12/2020	12:32	Kestrel	1	10	10	0	0	0	improved agricultural grassland and hedgerows; hunting, hunting before perching	TR
K.035	VP3	17/12/2020	13:06	Kestrel	1	60	0	60	0	0	wet grassland; hunting, hunting	TR
K.036	VP3	17/12/2020	14:46	Kestrel	1	350	100	250	0	0	conifer plantation and improved agricultural grassland; gliding	TR
K.037	VP3	17/12/2020	15:07	Kestrel	1	150	0	150	0	0	conifer plantation; travelling	TR
K.038	VP3	17/12/2020	15:21	Kestrel	1	340	60	260	0	0	conifer plantation and improved agricultural grassland; hunting, hunt	TR
K.039	VP1	18/12/2020	15:22	Kestrel	1	270	0	0	270	0	upland blanket bog; hovering, hunting	TR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.040	VP5	06/01/2021		Kestrel	1	500	500	0	0	0	conifer plantation; flying, perched	JK
K.041	VP5	06/01/2021		Kestrel	1	1000	1000	0	0	0	conifer plantation; dogfighting, with Sparrowhawk pair	JK
K.042	VP5	06/01/2021		Kestrel	2	70	70	0	0	0	improved agricultural grassland; flying, roosting	JK
K.043	VP1	29/01/2021	11:04	Kestrel	1	90	0	30	60	0	upland blanket bog and conifer plantation; hunting, hovering	TR
K.044	VP1	29/01/2021	12:08	Kestrel	1	105	0	0	105	0	upland blanket bog; hunting, hovering male	TR
K.045	VP1	29/01/2021	13:10	Kestrel	1	30	0	30	0	0	upland blanket bog; flight, male	TR
K.046	VP4	12/02/2021	12:30	Kestrel	1	80	0	80	0	0	semi-natural grassland; hunting, hunting	TR
K.047	VP4	12/02/2021	12:34	Kestrel	1	50	50	0	0	0	semi-natural grassland; hunting, hunting	TR
K.048	VP4	12/02/2021	12:43	Kestrel	1	105	15	30	60	0	semi-natural grassland, improved agricultural grassland and scrub; hovering, descending, landed, mobbed by Hooded Crow	TR
K.049	VP4	12/02/2021	13:07	Kestrel	1	90	0	0	90	0	upland blanket bog and cutover bog; hunting, hovering high, stooping	TR
K.050	VP4	12/02/2021	13:08	Kestrel	1	150	30	120	0	0	conifer plantation and semi-natural grassland; hunting, hunting	TR
K.051	VP4	12/02/2021	14:33	Kestrel	1	200	0	0	200	0	semi-natural grassland; hunting, hovering high	TR
K.052	VP4	12/02/2021	16:20	Kestrel	1	230	0	230	0	0	semi-natural grassland; flight, travelling	TR
K.053	VP4	12/02/2021	17:11	Kestrel	1	120	0	120	0	0	improved agricultural grassland and conifer plantation; hunting, hunting	TR
K.054	VP4	12/02/2021	17:16	Kestrel	1	15	15	0	0	0	conifer plantation and semi-natural grassland; hunting, hunting	TR
K.055	VP3	24/02/2021	14:34	Kestrel	1	20	20	0	0	0	hedgerows; landing, tree	TR
K.056	VP3	24/02/2021	16:31	Kestrel	1	30	30	0	0	0	hedgerows and improved agricultural grassland; landing, male	TR
K.057	VP3	24/02/2021	17:17	Kestrel	1	20	0	0	20	0	semi-natural grassland; travelling	TR
K.058	VP3	24/02/2021	17:22	Kestrel	1	15	15	0	0	0	improved agricultural grassland; flight	TR
K.059	VP5	25/02/2021	12:56	Kestrel	1	150	0	90	30	0	improved agricultural grassland; hunting, hovering	TR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.060	VP5	25/02/2021	13:17	Kestrel	1	140	0	30	110	0	conifer plantation and mixed broadleaved woodland; hunting, hunting	TR
K.061	VP5	25/02/2021	13:23	Kestrel	1	30	0	25	0	0	improved agricultural grassland; hunting, hunt	TR
K.062	VP5	25/02/2021	13:31	Kestrel	1	270	0	220	50	0	mixed broadleaved woodland and semi-natural grassland; hunting, hovering	TR
K.063	VP5	25/02/2021	13:46	Kestrel	1	60	0	10	50	0	scrub and hedgerows; hunting, hunt	TR
K.064	VP5	25/02/2021	13:52	Kestrel	1	90	0	90	0	0	mixed broadleaved woodland and conifer plantation; hunting, hovering	TR
K.065	VP5	25/02/2021	14:00	Kestrel	1	140	30	110	0	0	conifer plantation and improved agricultural grassland; hunting, hovering	TR
K.066	VP4	06/03/2021	14:11	Kestrel	1	212	20	120	72	0	improved agricultural grassland and hedgerows; hunting	TK
K.067	VP1	07/03/2021	10:51	Kestrel	1	125	0	125	0	0	improved agricultural grassland, hedgerows and upland blanket bog; hunting	TK
K.068	VP4	09/03/2021	08:53	Kestrel	1	120	0	120	0	0	semi-natural grassland; hunting, hovering	TR
K.069	VP4	09/03/2021	12:12	Kestrel	1	360	180	180	0	0	semi-natural grassland and improved agricultural grassland; hunting, hovering	TR
K.070	VP3	15/03/2021	07:15	Kestrel	1	10	10	0	0	0	improved agricultural grassland and hedgerows; travelling, short fast flight	TR
K.071	VP3	15/03/2021	07:53	Kestrel	1	20	20	0	0	0	improved agricultural grassland and hedgerows; travelling, perched, female	TR
K.072	VP3	15/03/2021	10:21	Kestrel	1	60	60	0	0	0	hedgerows and improved agricultural grassland; hunting, perched, male	TR
K.073	VP3	15/03/2021	10:55	Kestrel	1	70	70	0	0	0	hedgerows and improved agricultural grassland; circling, male	TR
K.074	VP3	15/03/2021	11:25	Kestrel	1	30	30	0	0	0	hedgerows and improved agricultural grassland; landing, male	TR
K.075	VP5	16/03/2021	08:34	Kestrel	1	20	20	0	0	0	improved agricultural grassland and conifer plantation; flying, male	TR
K.076	VP5	16/03/2021	09:32	Kestrel	2	140	100	40	0	0	conifer plantation, improved agricultural grassland and hedgerows; circling, possible breeding location, suitable habitat	TR
K.077	VP2	18/03/2021	10:22	Kestrel	1	35	0	35	0	0	improved agricultural grassland and hedgerows; travelling	TK

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.078	VP1	26/04/2021	10:57	Kestrel	1	120	0	0	120	0	bogs and conifer plantation; hunting	CMC
K.079	VP1	27/04/2021	19:13	Kestrel	1	10	0	0	10	0	bogs and improved agricultural grassland; flying, flew quickly south	CMC
K.080	VP2	14/06/2021	11:34	Kestrel	1	120	30	30	60	0	improved agricultural grassland and conifer plantation; hunting, mobbed, perched, hunting, mobbed and forced to perch on a fence post then hunted again before flying over conifer plantation	CMC
K.081	VP5	22/06/2021	11:40	Kestrel	1	10	0	10	0	0	improved agricultural grassland; hunting	CMC
K.082	VP1	23/07/2021	14:10	Kestrel	1	190	190	0	0	0	upland blanket bog; hunting	JG
K.083	VP1	23/07/2021	16:20	Kestrel	1	155	60	95	0	0	upland blanket bog; hunting, male	JG
K.084	VP1	24/07/2021	15:00	Kestrel	1	125	60	65	0	0	upland blanket bog; hunting, saw it as I was walking to the VP	JG
K.085	VP1	24/07/2021	15:30	Kestrel	2	190	160	30	0	0	upland blanket bog; hunting, two females	JG
K.086	VP1	24/07/2021	16:21	Kestrel	1	185	0	185	0	0	upland blanket bog; hunting, female	JG
K.087	VP3	29/07/2021	06:10	Kestrel	1	20	20	0	0	0	improved agricultural grassland and hedgerows; travelling flight, female	JG
K.088	VP1	19/08/2021	13:46	Kestrel	1	15	0	0	15	0	bogs; flying, flying through, lost to sight in clouds	CMC
K.089	VP2	13/09/2021	16:40	Kestrel	1	15	15	0	0	0	improved agricultural grassland; hunting	CMC
K.090	VP3	15/09/2021	15:15	Kestrel	1	65	0	35	30	0	improved agricultural grassland; hunting, mobbed	CMC
K.091	VP1	20/09/2021	15:35	Kestrel	1	30	0	0	30	0	bogs and conifer plantation; hunting	CMC
K.092	VP1	20/09/2021	16:06	Kestrel	1	15	0	0	15	0	bogs and conifer plantation; hunting	CMC
K.093	VP2	20/10/2021	09:09	Kestrel	1	5	5	0	0	0	improved agricultural grassland and treelines; flight, female Kestrel. flew to tree.	SOB
K.094	VP2	20/10/2021	09:14	Kestrel	1	10	10	0	0	0	improved agricultural grassland and treelines; flight, took off from perch. female Kestrel.	SOB
K.095	VP2	20/10/2021	09:15	Kestrel	1	-	-	-	-	-	treelines; perched, female Kestrel briefly perched in between flights.	SOB
K.096	VP4a	29/10/2021	10:07	Kestrel	1	30	0	0	30	0	improved agricultural grassland and treelines; flight, Kestrel flying not hunting over fields. lost sight behind treelines	SOB

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.097	VP4a	29/10/2021	13:20	Kestrel	1	65	0	10	55	0	improved agricultural grassland, treelines and hedgerows; flight, Kestrel flying, not hunting over farmland, seemed to be travelling somewhere. descended lower, lost sight being blocked by trees.	SOB
K.098	VP4a	29/10/2021	14:34	Kestrel	1	30	30	10	10	0	wet grassland, hedgerows and improved agricultural grassland; flying, hunting, hovering, diving, Kestrel flew over farm fields, started hovering over wet grass field. dived down.	SOB
K.099	VP2	01/11/2021	11:50	Kestrel	1	157	10	147	0	0	conifer plantation and improved agricultural grassland; hunting	JG
K.100	VP2	01/11/2021	12:33	Kestrel	1	240	100	140	0	0	improved agricultural grassland, conifer plantation and upland blanket bog; hunting	JG
K.101	VP2	01/11/2021	14:24	Kestrel	1	114	20	94	0	0	improved agricultural grassland, conifer plantation and upland blanket bog; hunting	JG
K.102	VP2	01/11/2021	16:02	Kestrel	1	31	31	0	0	0	improved agricultural grassland and hedgerows; travelling flight, perched	JG
K.103	VP3a	03/11/2021	14:16	Kestrel	1	15	15	0	0	0	improved agricultural grassland and hedgerows; perched, flushed, female	JG
K.104	VP3a	03/11/2021	15:14	Kestrel	1	75	20	55	0	0	upland blanket bog and improved agricultural grassland; hunting, female	JG
K.105	VP3a	03/11/2021	15:24	Kestrel	1	40	40	0	0	0	improved agricultural grassland and hedgerows; hunting, perched, male	JG
K.106	VP3a	03/11/2021	17:15	Kestrel	1	62	62	0	0	0	improved agricultural grassland and hedgerows; travelling flight, male	JG
K.107	VP3a	19/11/2021	08:05	Kestrel	1	10	10	0	0	0	treelines and improved agricultural grassland; flight, male Kestrel flew to tree and perched.	SOB
K.108	VP3a	19/11/2021	08:05	Kestrel	1	-	-	-	-	-	treelines and improved agricultural grassland; perched, scanning, preening., male Kestrel perched on tree scanning area around him and preening.	SOB
K.109	VP3a	19/11/2021	08:10	Kestrel	1	30	20	10	0	0	improved agricultural grassland, treelines and hedgerows; flight, male Kestrel was	SOB

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
											perched, Hooded Crow arrived both stared at each other for a while then kestrel flew off.	
K.110	VP3a	19/11/2021	08:18	Kestrel	2	55	25	30	0	0	improved agricultural grassland; wet grassland and treelines; flight, 2 male Kestrels flying west.	SOB
K.111	VP3a	19/11/2021	08:51	Kestrel	1	3	3	0	0	0	treelines, hedgerows and improved agricultural grassland; diving, male Kestrel perched on tree looking down then dived down.	SOB
K.112	VP3a	19/11/2021	10:54	Kestrel	1	55	35	20	0	0	improved agricultural grassland, wet grassland and treelines; evading, male Kestrel evading being mobbed by Hooded Crow.	SOB
K.113	VP3a	19/11/2021	12:22	Kestrel	1	10	10	0	0	0	improved agricultural grassland and treelines; flight, male Kestrel flew on to tree.	SOB
K.114	VP3a	19/11/2021	12:27	Kestrel	1	30	20	10	0	0	improved agricultural grassland and treelines; flight, male Kestrel took off from perch and flew over fields.	SOB
K.115	VP3a	19/11/2021	12:33	Kestrel	1	25	20	5	0	0	improved agricultural grassland, hedgerows and treelines; flight, male Kestrel flew across fields and out of sight behind hill.	SOB
K.116	VP2	14/12/2021	13:00	Kestrel	1	190	190	0	0	0	scrub; hunting	TR
K.117	VP2	14/12/2021	13:05	Kestrel	1	75	75	0	0	0	bogs; hunting	TR
K.118	VP3a	15/12/2021	12:03	Kestrel	1	80	0	40	40	0	scrub; hunting, hovering over scrub	TR
K.119	VP2	12/01/2022	13:23	Kestrel	1	45	45	0	0	0	hedgerows and improved grassland; hunting, feeding, perched, strike followed by feeding	TR
K.120	VP2	12/01/2022	13:24	Kestrel	1	30	30	0	0	0	hedgerows and improved grassland; flying, perched	TR
K.121	VP2	12/01/2022	13:26	Kestrel	2	40	40	0	0	0	hedgerows and improved grassland; hunting, feeding, two birds present	TR
K.122	VP2	12/01/2022	16:05	Kestrel	1	10	0	10	0	0	conifer plantation; travelling, out of view behind forest	TR

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.123	VP2	12/01/2022	16:15	Kestrel	1	35	35	0	0	0	hedgerows and improved grassland; flying, perched	TR
K.124	VP2	12/01/2022	16:31	Kestrel	1	10	10	0	0	0	highly modified/non-native woodland and improved grassland; landing, on trees	TR
K.125	VP4a	04/02/2022	13:50	Kestrel	1	85	0	85	0	0	semi-natural grassland; hunting, ad male	SA
K.126	VP2	03/03/2022	16:17	Kestrel	1	180	10	30	140	0	montane heath, dense bracken and scrub; hunting, hovering, diving, perched, male Kestrel hovering over mountainside, dived to ground, didn't land and flew to hawthorn tree	SOB
K.127	VP2	03/03/2022	16:20	Kestrel	1	-	-	-	-	-	scrub; perched, Kestrel perched on hawthorn shrub overlooking mountainside	SOB
K.128	VP2	03/03/2022	16:21	Kestrel	1	55	30	25	0	0	improved agricultural grassland and scrub; hunting, swooping, diving., Kestrel took off, swooped over hillside and dived down onto a field	SOB
K.129	VP2	03/03/2022	16:22	Kestrel	1	25	25	0	0	0	short rotation coppice and improved agricultural grassland; flight, Kestrel flew to perch	SOB
K.130	VP2	03/03/2022	16:23	Kestrel	1	-	-	-	-	-	scrub; perched, Kestrel briefly perched in gorse scrub	SOB
K.131	VP2	03/03/2022	16:24	Kestrel	1	75	10	25	40	0	improved agricultural grassland, scrub and heath; flight, Kestrel flying and hovering.	SOB
K.132	VP2	03/03/2022	16:28	Kestrel	1	50	0	0	50	0	wet heath and conifer plantation; fighting, kestrel fighting with Buzzard, got the upper hand and swooped aggressively at Buzzard repeatedly chasing it away	SOB
K.133	VP2	03/03/2022	18:26	Kestrel	1	325	0	25	300	0	montane heath and dense bracken; hunting, soaring, hovering, male Kestrel soaring and hovering over hillside.	SOB
K.134	VP3a	30/03/2022	13:32	Kestrel	1	128	128	0	0	0	improved agricultural grassland and hedgerows; hunting	JG
K.135	VP3a	30/03/2022	14:10	Kestrel	1	35	35	0	0	0	improved agricultural grassland; hunting, male	JG
K.136	VP3a	30/03/2022	14:19	Kestrel	1	25	25	0	0	0	improved agricultural grassland and hedgerows; hunting, mobbed, by Hooded Crow	JG

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.137	VP3a	30/03/2022	16:07	Kestrel	1	92	30	62	0	0	improved agricultural grassland; hunting	JG
K.138	VP4a	31/03/2022	14:19	Kestrel	1	35	0	0	35	0	improved agricultural grassland; hunting	JG
K.139	VP4a	31/03/2022	14:27	Kestrel	1	60	60	0	0	0	improved agricultural grassland and hedgerows; hunting, travelling flight	JG
K.140	VP4a	31/03/2022	14:29	Kestrel	1	30	15	15	0	0	improved agricultural grassland; hunting, male	JG
K.141	VP4a	31/03/2022	14:50	Kestrel	1	22	22	0	0	0	improved agricultural grassland and hedgerows; hunting, perched, male	JG
K.142	VP4a	31/03/2022	15:33	Kestrel	2	242	0	0	242	0	conifer plantation and upland blanket bog; hunting	JG
K.143	VP3a	31/03/2022	17:01	Kestrel	1	18	18	0	0	0	improved agricultural grassland; mobbed, male, landed in tree, where another kestrel also joined in same tree. mobbed by Hooded Crow	JG
K.144	VP3a	31/03/2022	17:04	Kestrel	1	5	5	0	0	0	improved agricultural grassland; mobbed, by Hooded Crow	JG
K.145	VP2	06/04/2022	07:11	Kestrel	1	62	62	0	0	0	improved agricultural grassland and hedgerows; prospecting old crow's nest - possible breeder	JG
K.146	VP2	06/04/2022	08:19	Kestrel	1	10	10	0	0	0	improved agricultural grassland; travelling flight	JG
K.147	VP2	06/04/2022	08:53	Kestrel	1	180	90	90	0	0	improved agricultural grassland and hedgerows; hunting	JG
K.148	VP2	06/04/2022	09:20	Kestrel	1	319	0	0	319	0	improved agricultural grassland and conifer plantation; hunting, travelling flight	JG
K.149	VP2	06/04/2022	12:10	Kestrel	2	156	0	60	96	0	upland blanket bog and conifer plantation; displaying, hunting	JG
K.150	VP4a	21/04/2022	06:42	Kestrel	1	86	0	76	10	0	upland blanket bog and conifer plantation; hunting	JG
K.152	VP3a	22/04/2022	06:31	Kestrel	1	96	96	0	0	0	improved agricultural grassland and hedgerows; hunting, male	JG
K.153	VP3a	22/04/2022	06:39	Kestrel	1	15	15	0	0	0	improved agricultural grassland and hedgerows; hunting, perched, male	JG
K.154	VP3a	22/04/2022	08:56	Kestrel	1	25	25	0	0	0	improved agricultural grassland; hunting	JG

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.156	VP2	11/05/2022	18:01	Kestrel	1	66	0	30	36	0	improved agricultural grassland, mixed broadleaved woodland and conifer plantation; hunting	JG
K.157	VP3a	12/05/2022	20:44	Kestrel	1	610	120	490	0	0	upland blanket bog, improved agricultural grassland and conifer plantation; hunting, catching prey	JG
K.158	VP3a	24/05/2022	16:23	Kestrel	1	30	30	0	0	0	improved agricultural grassland and hedgerows; travelling flight, male	JG
K.160	VP3a	24/05/2022	18:19	Kestrel	1	51	0	51	0	0	improved agricultural grassland and hedgerows; hunting	JG
K.161	VP3a	20/06/2022	13:30	Kestrel	1	252	30	60	162	0	upland blanket bog and improved agricultural grassland; hunting, soaring	JG
K.162	VP3a	28/06/2022	20:32	Kestrel	1	633	0	633	0	0	scrub, upland blanket bog and conifer plantation; hunting	JG
K.163	VP4a	05/07/2022	15:45	Kestrel	1	220	60	160	0	0	improved agricultural grassland; hunting, male	JG
K.164	VP4a	05/07/2022	15:45	Kestrel	1	20	20	0	0	0	improved agricultural grassland; travelling flight	JG
K.165	VP4a	05/07/2022	16:03	Kestrel	1	168	120	48	0	0	improved agricultural grassland and hedgerows; hunting, male	JG
K.166	VP2	18/07/2022	15:15	Kestrel	2	563	120	443	0	0	upland blanket bog, scrub and conifer plantation; hunting	JG
K.167	VP2	18/07/2022	15:28	Kestrel	1	590	0	120	470	0	improved agricultural grassland and conifer plantation; hunting, travelling flight, soaring	JG
K.168	VP2	18/07/2022	17:15	Kestrel	2	166	0	166	0	0	upland blanket bog and mixed broadleaved/conifer woodland; hunting	JG
K.169	VP4a	17/08/2022	15:34	Kestrel	1	15	15	0	0	0	improved agricultural grassland and hedgerows; perched, flushed, female	JG
K.170	VP4a	17/08/2022	15:58	Kestrel	1	124	124	0	0	0	improved agricultural grassland and hedgerows; hunting, perched, female	JG
K.171	VP4a	17/08/2022	16:33	Kestrel	1	20	20	0	0	0	improved agricultural grassland and hedgerows; hunting, female, hunting from telegraph pole	JG
K.172	VP4a	17/08/2022	16:34	Kestrel	1	10	10	0	0	0	improved agricultural grassland; hunting, mobbed, female	JG

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.173	VP4a	17/08/2022	16:56	Kestrel	1	30	30	0	0	0	improved agricultural grassland; hunting, female	JG
K.174	VP4a	17/08/2022	17:01	Kestrel	1	62	0	0	62	0	improved agricultural grassland; hunting, female	JG
K.175	VP4a	18/08/2022	13:19	Kestrel	1	15	15	0	0	0	improved agricultural grassland; hunting, female	JG
K.176	VP4a	18/08/2022	14:01	Kestrel	1	39	39	0	0	0	improved agricultural grassland; travelling, female	JG
K.177	VP4a	18/08/2022	14:12	Kestrel	1	307	100	207	0	0	improved agricultural grassland and hedgerows; hunting, female, perched on wire	JG
K.178	VP3a	18/08/2022	18:13	Kestrel	1	60	0	20	40	0	improved agricultural grassland, scrub and upland blanket bog; hunting	JG
K.179	VP2	19/08/2022	11:23	Kestrel	1	54	54	0	0	0	improved agricultural grassland; hunting, male	JG
K.180	VP2	19/08/2022	11:56	Kestrel	1	175	155	20	0	0	improved agricultural grassland; hunting, male	JG
K.181	VP2	19/08/2022	12:08	Kestrel	1	37	37	0	0	0	improved agricultural grassland; hunting, male	JG
K.182	VP2	19/08/2022	13:44	Kestrel	1	83	50	33	0	0	improved agricultural grassland and hedgerows; male	JG
K.183	VP2	19/08/2022	13:44	Kestrel	1	180	0	180	0	0	conifer plantation, improved agricultural grassland and upland blanket bog; hunting, travelling flight	JG
K.184	VP2	19/08/2022	13:53	Kestrel	1	465	400	65	0	0	improved agricultural grassland and hedgerows; hunting, male	JG
K.185	VP2	19/08/2022	14:49	Kestrel	1	140	120	20	0	0	improved agricultural grassland; hunting, male	JG
K.186	VP3a	02/09/2022	14:54	Kestrel	1	640	0	300	340	0	upland blanket bog, scrub and conifer plantation; hunting	JG
K.187	VP3a	02/09/2022	16:20	Kestrel	1	1500	0	750	750	0	upland blanket bog and scrub; hunting, overing on thermals for 20mins	JG
K.188	VP3a	02/09/2022	16:54	Kestrel	1	217	0	0	217	0	upland blanket bog and conifer plantation; hunting	JG
K.189	VP3a	02/09/2022	17:28	Kestrel	2	240	0	0	240	0	upland blanket bog and exposed rock; mobbing	JG

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.190	VP4a	05/09/2022	16:36	Kestrel	1	10	10	0	0	0	improved agricultural grassland and hedgerows; travelling flight, perched, male	JG
K.191	VP4a	05/09/2022	17:15	Kestrel	1	86	60	26	0	0	improved agricultural grassland and hedgerows; hunting, travelling flight perched, male	JG
K.192	VP4a	05/09/2022	18:36	Kestrel	1	30	30	0	0	0	improved agricultural grassland and hedgerows; hunting, perched, female	JG
K.193	VP2	22/09/2022	15:09	Kestrel	1	209	0	209	0	0	upland blanket bog, conifer plantation and scrub; hunting	JG
K.194	VP2	22/09/2022	15:15	Kestrel	1	207	30	177	0	0	upland blanket bog, conifer plantation and scrub; hunting	JG
K.195	VP2	22/09/2022	18:30	Kestrel	1	60	0	0	60	0	upland blanket bog and conifer plantation; hunting	JG
K.196	VP2	22/09/2022	18:36	Kestrel	1	265	100	165	0	0	upland blanket bog; hunting	JG
K.197	VP2	22/09/2022	19:11	Kestrel	1	747	600	147	0	0	improved agricultural grassland, scrub and conifer plantation; hunting, feeding, also mobbing by Hooded Crow for prey, possibly male Kestrel	JG
K.198	VP2	22/09/2022	19:28	Kestrel	1	540	0	540	0	0	upland blanket bog and scrub; hunting	JG
K.199	VP3a	07/10/2022	11:54	Kestrel	2	406	60	60	276	10	improved agricultural grassland and scrub; hunting, soaring, chasing, two males chasing each other	JG
K.200	VP3a	07/10/2022	12:21	Kestrel	1	15	0	0	15	0	upland blanket bog; mobbing	JG
K.201	VP4a	10/10/2022	07:42	Kestrel	1	62	30	32	0	0	improved agricultural grassland; travelling flight, hunting	JG
K.202	VP2	17/10/2022	09:26	Kestrel	1	75	0	75	0	0	improved agricultural grassland; hunting, male	JG
K.203	VP4a	02/11/2022	12:44	Kestrel	1	87	50	20	17	0	improved agricultural grassland and hedgerows; hunting, soaring, male, perched in tree	JG
K.204	VP4a	02/11/2022	13:25	Kestrel	1	15	15	0	0	0	improved agricultural grassland and hedgerows; hunting, perched, male	JG
K.205	VP4a	02/11/2022	13:45	Kestrel	1	120	0	0	120	0	improved agricultural grassland and conifer plantation; hunting, soaring	JG
K.206	VP4a	02/11/2022	13:58	Kestrel	1	15	15	0	0	0	improved agricultural grassland; travelling flight	JG

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.207	VP4a	01/12/2022	14:31	Kestrel	1	97	30	67	0	0	improved agricultural grassland; hunting	JG
K.208	VP4a	12/01/2023	14:25	Kestrel	1	135	135	0	0	0	improved agricultural grassland, conifer plantation and hedgerows; hunting, travelling flight, male	JG
K.209	VP3a	13/01/2023	14:53	Kestrel	1	1240	600	640	0	0	upland blanket bog and conifer plantation; hunting, male	JG
K.210	VP4a	02/03/2023	15:31	Kestrel	1	10	10	0	0	0	improved agricultural grassland and hedgerows; travelling flight, hunting, perched, male, perched on pole for approx. 20 mins	JG
K.211	VP4a	02/03/2023	15:33	Kestrel	1	15	15	0	0	0	improved agricultural grassland and highly modified/non-native woodland; travelling flight	JG

Table 7-4- 13 Kestrel Breeding Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
K.001	15/06/2021	12:05	Kestrel	1	conifer plantation; hunting, male, hunting (flyover; non-breeding)	CMC
K.002	25/04/2022	13:30	Kestrel	1	improved agricultural grassland; soaring, female (suitable nesting habitat; possible breeder)	JG
K.003	27/05/2022	14:48	Kestrel	1	conifer plantation, upland blanket bog and scrub; hunting, male (suitable nesting habitat; possible breeder)	JG
K.004	27/05/2022	14:52	Kestrel	1	upland blanket bog and conifer plantation; hunting, male (suitable nesting habitat; possible breeder)	JG
K.005	03/06/2022	11:49	Kestrel	1	improved agricultural grassland, hedgerows and scrub; hunting, male hunting low and on telegraph pole (suitable nesting habitat; possible breeder)	JG
K.006	03/06/2022	12:05	Kestrel	1	improved agricultural grassland and hedgerows; hunting, male (suitable nesting habitat; possible breeder)	JG
K.007	27/06/2022	12:37	Kestrel	1	improved agricultural grassland, mixed broadleaved woodland and conifer plantation; hunting, male (suitable nesting habitat; possible breeder)	JG
K.008	25/07/2022	11:42	Kestrel	1	improved agricultural grassland, conifer plantation and scrub; hunting, female (suitable nesting habitat; possible breeder)	JG
K.009	25/07/2022	13:10	Kestrel	1	upland blanket bog and improved agricultural grassland; hunting, female (suitable nesting habitat; possible breeder)	JG
K.010	25/07/2022	13:17	Kestrel	1	upland blanket bog; hunting, possibly caught prey (suitable nesting habitat; possible breeder)	JG
K.011	26/07/2022	15:10	Kestrel	1	upland blanket bog and exposed rock; hunting, male, possible nest site on cliff (suitable nesting habitat; possible breeder)	JG

Table 7-4- 14 Kestrel Breeding Raptor Survey Data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.001	BRVP6	28/04/2021	12:40	Kestrel	1	buildings and artificial surfaces, mobbed, mobbed by hooded crow along stockpile in quarry	flyover; non-breeding	CMC
K.002	BRVP6	14/05/2021	14:30	Kestrel	1	upland blanket bog and mixed broadleaved/conifer woodland, hunting, male hovered in sky then dove down BRVP6		SOB
K.003	BRVP6	14/05/2021	15:55	Kestrel	1	improved agricultural grassland and conifer plantation, hunting, male hovering actively scanning below for 250 secs then dove down		SOB
K.004	BRVP2	17/05/2021	12:07	Kestrel	1	conifer plantation, flying, flying through along the road	flyover; non-breeding	CMC
K.005	BRVP2	17/05/2021	13:17	Kestrel	1	conifer plantation, hunting	flyover; non-breeding	CMC
K.006	BRVP1	17/06/2021	13:28	Kestrel	1	improved agricultural grassland and conifer plantation, hunting	flyover; non-breeding	CMC
K.007	BRVP5	21/06/2021	13:21	Kestrel	1	conifer plantation and bogs, hunting	suitable nesting habitat; possible breeder	CMC
K.008	BRVP7	01/07/2021	15:02	Kestrel	1	improved agricultural grassland, hunting, adult female	flyover; non-breeding	CMC
K.009	BRVP5	05/04/2022	14:12	Kestrel	1	upland blanket bog, hunting, female	suitable nesting habitat; possible breeder	JG
K.010	BRVP8	29/04/2022	14:10	Kestrel	1	upland blanket bog and conifer plantation, hunting, female	suitable nesting habitat; possible breeder	JG
K.011	BRVP6	10/05/2022	12:57	Kestrel	1	mixed broadleaved woodland, hunting	suitable nesting habitat; possible breeder	JG
K.012	BRVP3	25/05/2022	13:42	Kestrel	1	conifer plantation and upland blanket bog, hunting, male	suitable nesting habitat; possible breeder	JG
K.013	BRVP3	25/05/2022	13:43	Kestrel	1	conifer plantation, hunting	suitable nesting habitat; possible breeder	JG
K.014	BRVP2	25/05/2022	17:12	Kestrel	1	conifer plantation and upland blanket bog, hunting	suitable nesting habitat; possible breeder	JG
K.015	BRVP2	25/05/2022	17:25	Kestrel	1	upland blanket bog and conifer plantation, hunting	suitable nesting habitat; possible breeder	JG
K.016	BRVP7	08/06/2022	18:14	Kestrel	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	JG
K.017	BRVP7	08/06/2022	18:45	Kestrel	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	JG
K.018	BRVP7	08/06/2022	19:06	Kestrel	1	scrub, hunting	suitable nesting habitat; possible breeder	JG

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.019	BRVP4	13/06/2022	14:24	Kestrel	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	JG
K.020	BRVP2	14/06/2022	17:02	Kestrel	1	upland blanket bog, hunting	suitable nesting habitat; possible breeder	JG
K.021	BRVP5	30/06/2022	18:11	Kestrel	1	upland blanket bog and conifer plantation, hunting, female	suitable nesting habitat; possible breeder	JG
K.022	BRVP6	01/07/2022	17:33	Kestrel	1	improved agricultural grassland and active quarries and mines, hunting	suitable nesting habitat; possible breeder	JG
K.023	BRVP2	04/07/2022	14:49	Kestrel	1	conifer plantation and scrub, hunting	suitable nesting habitat; possible breeder	JG
K.024	BRVP2	04/07/2022	15:20	Kestrel	1	conifer plantation, scrub and upland blanket bog, hunting, male	suitable nesting habitat; possible breeder	JG
K.025	BRVP2	04/07/2022	16:15	Kestrel	1	conifer plantation and scrub, hunting, male	suitable nesting habitat; possible breeder	JG
K.026	BRVP2	04/07/2022	16:16	Kestrel	1	upland blanket bog, hunting	suitable nesting habitat; possible breeder	JG
K.027	BRVP3	04/07/2022	19:03	Kestrel	1	conifer plantation and upland blanket bog, hunting	suitable nesting habitat; possible breeder	JG
K.028	BRVP7	20/07/2022	13:30	Kestrel	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	JG
K.029	BRVP1	22/07/2022	14:12	Kestrel	1	upland blanket bog, hunting, male	suitable nesting habitat; possible breeder	JG
K.030	BRVP1	22/07/2022	14:44	Kestrel	1	upland blanket bog, hunting	suitable nesting habitat; possible breeder	JG

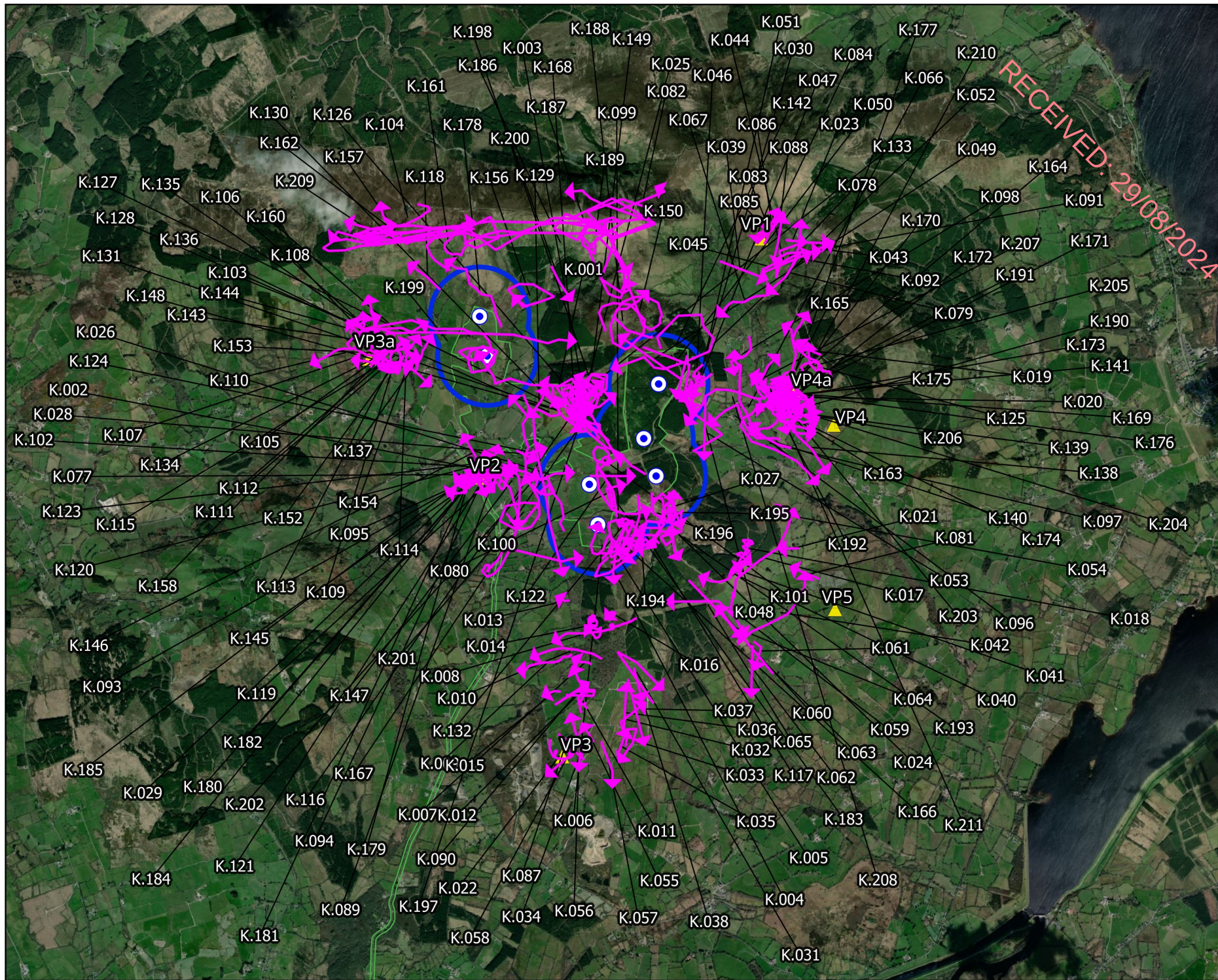
Table 7-4- 15 Kestrel Winter Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
K.001	05/03/2021	16:16	Kestrel	1	conifer plantation and improved agricultural grassland; hunting (wintering)	TK
K.002	05/10/2022	16:33	Kestrel	1	improved agricultural grassland and hedgerows; hunting, male, hunting from telegraph pole, then hovering (wintering)	JG
K.003	18/01/2023	13:04	Kestrel	1	upland blanket bog and improved agricultural grassland; hunting, mobbed (wintering)	JG

Table 7-4- 16 Kestrel Incidental Observation Data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.001	Hen Harrier Roost Survey; HHVP3	24/10/2020	16:47	Kestrel	1	semi-natural grassland; hunting	AR
K.002	Hen Harrier Roost Survey; HHVP3	24/10/2020	17:01	Kestrel	1	hedgerows, semi-natural grassland and improved grassland; hunting	AR
K.003	Hen Harrier Roost Survey; HHVP3	24/10/2020	17:35	Kestrel	1	improved agricultural grassland and hedgerows; travelling	AR
K.004	Hen Harrier Roost Survey; HHVP5	22/02/2021	16:34	Kestrel	1	dry meadows and grassy verges; travelling	JK
K.005	Hen Harrier Roost Survey; HHVP5	22/02/2021	17:40	Kestrel	1	dry meadows and grassy verges; hunting	JK
K.006	Hen Harrier Roost Survey; HHVP6	23/02/2021	16:40	Kestrel	2	dry meadows and grassy verges; hunting pair	JK
K.007	Wildfowl Distribution Survey; WFVP11	06/04/2021	12:42	Kestrel	1	buildings and artificial surfaces; flying	CMC
K.008	Breeding Raptor Survey; Scott's Bridge	28/04/2021	15:17	Kestrel	1	improved agricultural grassland; hunting, observed hunting while driving between BRVPs	CMC
K.009	Breeding Walkover Survey; Kilbane	24/06/2021	12:57	Kestrel	1	improved agricultural grassland; hunting, observed while driving to site	CMC
K.010	Wildfowl Distribution Survey; Cloonlara	22/09/2021	11:49	Kestrel	1	canals and improved agricultural grassland; flying	CMC
K.011	Wildfowl Distribution Survey; WFVP18	22/09/2021	16:31	Kestrel	1	watercourses and amenity grassland (improved); mobbed	CMC
K.012	Breeding Walkover Survey; Lisroe	25/04/2022	10:31	Kestrel	1	improved agricultural grassland and conifer plantation; hunting	JG
K.013	Breeding Woodcock Survey; Lackereagh T3	10/05/2022	20:45	Kestrel	1	highly modified/non-native woodland and peatlands; hovering, flying	JQ
K.014	Breeding Woodcock Survey; Lackereagh T3	10/05/2022	21:37	Kestrel	2	highly modified/non-native woodland and peatlands; flying	JQ
K.015	Wildfowl Distribution Survey; Lackereagh - Brian Buru Fort	26/05/2022	13:29	Kestrel	1	lakes and ponds; flying	JQ
K.016	Breeding Woodcock Survey; Lackereagh Beg, near BRVP8	08/06/2022	21:34	Kestrel	1	upland blanket bog; hunting	JG
K.017	Vantage Point Survey; VP2	18/07/2022	15:00	Kestrel	1	improved agricultural grassland; hunting, male	JG
K.018	Winter Walkover Survey; Kilbane	05/10/2022	16:22	Kestrel	1	improved agricultural grassland and hedgerows; hunting, male	JG
K.019	Hen Harrier Roost Survey; HHVP5	06/10/2022	18:30	Kestrel	1	upland blanket bog and conifer plantation; hunting	JG
K.020	Hen Harrier Roost Survey; HHVP5	06/10/2022	19:03	Kestrel	1	upland blanket bog and conifer plantation; hunting, male	JG
K.021	Hen Harrier Roost Survey; VP3	11/10/2022	17:08	Kestrel	1	improved agricultural grassland; hunting	JG
K.022	Hen Harrier Roost Survey; VP3	11/10/2022	18:24	Kestrel	1	upland blanket bog, scrub and conifer plantation; hunting	JG

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.023	Hen Harrier Roost Survey; Glennagalliagh Mountain	08/12/2022	16:00	Kestrel	1	conifer plantation, improved agricultural grassland and upland blanket bog; hunting	JG
K.024	Vantage Point Survey; Kilbane	12/01/2023	10:30	Kestrel	1	improved agricultural grassland and hedgerows; hunting, female	JG
K.025	Hen Harrier Roost Survey; Gortatrassa	18/01/2023	16:30	Kestrel	1	conifer plantation and upland blanket bog; hunting, male	JG
K.026	Hen Harrier Roost Survey; Cloongaheen east	07/02/2023	16:06	Kestrel	1	improved agricultural grassland; hunting	JG
K.027	Breeding Walkover Survey	21/07/2021	14:53	Kestrel	1	conifer plantation; flushed, male. flushed from log pile as surveyor drove passed	CMC
K.028	Breeding Raptor Survey; BRVP4	22/07/2021	14:20	Kestrel	1	bogs; flushed, flushed from scrub as surveyor walked to VP	CMC



Map Legend

- EIA Site Boundary
- 500m Radius of Turbines
- VP Locations
- Turbine Locations
- Flightline
- Observation

Drawing Title	
Kestrel Observations Vantage Point Surveys	
Project Title	
Lackareagh Wind Farm, Co. Clare	
Drawn By	Checked By
SA	KS
Project No.	Drawing No.
220245	Fig. 7-4-12
Scale	Date
1:50,000	14/05/2024

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