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APPENDIX 7-4

**SURVEY DATA & FIGURES (I.E.
FLIGHTLINE MAPS)**

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1.

GOLDEN PLOVER

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

Ref. ¹	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
GP001	VP2	27/09/2021	17:26	Golden Plover	46	63	0	0	63	0	improved agricultural grassland and treelines, travelling	TR
GP002	VP2	27/09/2021	17:50	Golden Plover	2	8	0	8	0	0	bogs; travelling	TR
GP003	VP1	05/10/2021	06:58	Golden Plover	1	-	-	-	-	-	bogs; calling, think it was just one calling but possibly more	PC
GP004	VP1	05/10/2021	07:40	Golden Plover	52	245	35	0	210	0	bogs and improved grassland; travelling, circling then appeared to drop but lost them against dark background	PC
GP005	VP1	05/10/2021	08:38	Golden Plover	26	1140	120	0	1020	0	bogs and improved grassland; travelling, circling for about 19 minutes. landed then spooked by buzzard.	PC
GP006	VP1	05/10/2021	09:10	Golden Plover	60	180	0	0	180	0	bogs and improved grassland; travelling, lost in the distance flying away from vantage point	PC
GP007	VP1	05/10/2021	09:25	Golden Plover	40	720	0	0	720	0	bogs; travelling, joined up with flock of 60 golden plover at 9.30	PC
GP008	VP1	05/10/2021	09:30	Golden Plover	60	420	0	0	420	0	bogs; travelling, joined with flock of 40 first seen at 9.25	PC
GP009	VP1	05/10/2021	11:01	Golden Plover	16	210	0	0	210	0	bogs; travelling, flew over vantage point towards area of bog where other golden plovers had been active	PC
GP010	VP1	05/10/2021	11:32	Golden Plover	19	175	15	0	160	0	bogs; travelling, circling over bog before dropping	PC
GP011	VP2	06/10/2021	08:13	Golden Plover	2	-	-	-	-	-	bogs; calling, at least 2 heard calling but couldn't locate them. presumably on bog.	PC
GP012	VP2	06/10/2021	08:23	Golden Plover	1	16	0	0	16	0	bogs; travelling, solitary bird flew over vantage point calling.	PC
GP013	VP2	06/10/2021	08:40	Golden Plover	8	120	0	0	120	0	bogs; travelling, circled over bog calling. lost in rain and clouds.	PC
GP014	VP2	09/12/2021	08:26	Golden Plover	3	20	20	0	0	0	bogs; travelling, came out of gloom over bog then lost in the gloom behind the vantage point	PC
GP015	VP1	20/01/2022	15:38	Golden Plover	2	55	0	0	55	0	bogs; travelling, lost against cloud	PC
GP016	VP2	21/09/2022	14:40	Golden Plover	3	-	-	-	-	-	bogs; calling, birds heard calling, sounded like at least 3. unable to locate them so location is best guess.	PC

¹ Please note labels are not provided on the associated map due to the number of observations being presented, this allows the distribution of activity to be more clearly visible.

Ref. ¹	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
GP017	VP2	21/09/2022	15:59	Golden Plover	18	12	12	0	0	0	bogs; travelling, flew in from north, landed on bog	PC
GP018	VP2	21/09/2022	17:35	Golden Plover	5	98	0	15	83	0	bogs; travelling	PC
GP019	VP1	22/09/2022	18:47	Golden Plover	125	600	0	0	600	0	bogs and conifer plantation; travelling, flock split a couple of times so not sure where every bird went.	PC
GP020	VP2	05/10/2022	10:03	Golden Plover	9	87	0	0	87	0	bogs; travelling	PC
GP021	VP2	05/10/2022	11:03	Golden Plover	1	320	0	0	320	0	bogs; travelling, circling and calling but couldn't see or hear any others	PC
GP022	VP2	05/10/2022	11:59	Golden Plover	130	35	0	0	35	0	bogs; travelling, lost due to combination of low sun and dark clouds	PC
GP023	VP2	05/10/2022	12:01	Golden Plover	64	95	0	0	95	0	bogs; travelling, lost against dark clouds. think these birds broke away from previous flock.	PC
GP024	VP2	05/10/2022	12:11	Golden Plover	100	95	0	0	95	0	bogs; travelling, count is best estimate	PC
GP025	VP1	13/10/2022	10:06	Golden Plover	13	55	0	0	55	0	bogs; travelling, lost against clouds	PC
GP026	VP1	13/10/2022	10:07	Golden Plover	31	45	12	0	33	0	bogs; travelling	PC
GP027	VP1	13/10/2022	12:05	Golden Plover	6	35	0	0	35	0	bogs; travelling	PC
GP028	VP1	13/10/2022	12:06	Golden Plover	49	190	0	0	190	0	bogs; travelling	PC
GP029	VP1	13/10/2022	12:06	Golden Plover	38	235	0	0	235	0	bogs; travelling	PC
GP030	VP2	23/03/2023	14:34	Golden Plover	35	60	0	0	60	0	bogs and highly modified/non-native woodland; travelling, picked up whilst watching kestrel. count is estimate.	PC
GP031	VP1	04/08/2023	07:47	Golden Plover	2	-	-	-	-	-	bogs; calling, sounded like 2 golden plover calling, but not seen	PC
GP032	VP1	26/09/2023	07:55	Golden Plover	150	90	0	0	90	0	bogs; travelling, started off as 1 flock of approx. 250 birds then split into 2 flocks. this one headed off, second flock circled site.	PC
GP033	VP1	26/09/2023	07:57	Golden Plover	100	570	0	0	570	0	bogs; travelling, this was the second flock from the original flock of approx. 250 birds	PC
GP034	VP1	26/09/2023	08:28	Golden Plover	90	1152	120	0	1032	0	bogs; travelling	PC
GP035	VP1	26/09/2023	08:39	Golden Plover	65	43	43	0	0	0	bogs; travelling, came up briefly then dropped again	PC

Ref. ¹	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
GP036	VP1	26/09/2023	08:40	Golden Plover	10	40	0	0	40	0	bogs; travelling	PC
GP037	VP1	26/09/2023	09:20	Golden Plover	1	-	-	-	-	-	bogs; calling, heard not seen, seemed to be over vantage point but too close to sun	PC
GP038	VP1	26/09/2023	09:39	Golden Plover	1	38	38	0	0	0	bogs; travelling, flew low over bog then dropped, presumably to join the other golden plovers	PC
GP039	VP1	26/09/2023	11:42	Golden Plover	300	808	200	608	0	0	bogs; travelling, circling over bog before dropping again	PC
GP040	VP2	28/09/2023	06:50	Golden Plover	12	-	-	-	-	-	bogs; calling, at least 12 calls counted, unable to see birds in the dark	PC
GP041	VP2	28/09/2023	07:32	Golden Plover	30	30	30	0	0	0	bogs; travelling	PC
GP042	VP2	28/09/2023	07:35	Golden Plover	30	80	80	0	0	0	bogs; travelling, same flock as previous sighting	PC
GP043	VP2	28/09/2023	08:08	Golden Plover	15	41	41	0	0	0	bogs; travelling	PC
GP044	VP2	28/09/2023	08:44	Golden Plover	30	716	200	0	516	0	bogs; travelling	PC
GP045	VP2	28/09/2023	09:21	Golden Plover	25	212	0	0	212	0	bogs; travelling	PC
GP046	VP2	28/09/2023	09:42	Golden Plover	1	544	0	0	544	0	bogs; travelling	PC
GP047	VP2	28/09/2023	09:52	Golden Plover	1	104	0	0	104	0	bogs; travelling	PC
GP048	VP2	28/09/2023	10:39	Golden Plover	200	694	60	0	634	0	bogs; travelling, flushed from bog by 2 kestrel	PC
GP049	VP2	28/09/2023	10:41	Golden Plover	35	60	60	0	0	0	bogs; travelling, dropped back onto bog	PC
GP050	VP2	28/09/2023	11:14	Golden Plover	300	676	0	676	0	0	bogs; travelling	PC
GP051	VP2	28/09/2023	11:52	Golden Plover	300	1893	0	1893	0	0	bogs; travelling	PC
GP052	VP1	10/10/2023	14:39	Golden Plover	5	-	-	-	-	-	bogs; calling, number of calls heard. birds not seen due to poor visibility and low cloud	PC
GP053	VP1	10/10/2023	15:33	Golden Plover	5	9	9	0	0	0	bogs; travelling	PC
GP054	VP1	10/10/2023	16:10	Golden Plover	250	344	344	0	0	0	bogs; travelling	PC
GP055	VP1	10/10/2023	16:25	Golden Plover	250	451	451	0	0	0	bogs; travelling	PC

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Ref. ¹	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
GP056	VP2	12/10/2023	16:28	Golden Plover	2	42	42	0	0	0	bogs; travelling	PC
GP057	VP2	12/10/2023	16:52	Golden Plover	2	23	23	0	0	0	bogs; travelling, lost over horizon	PC
GP058	VP2	12/10/2023	17:40	Golden Plover	3	18	18	0	0	0	bogs; travelling	PC
GP059	VP2	12/10/2023	18:00	Golden Plover	16	25	0	0	25	0	improved grassland; travelling, briefly seen in distance	PC
GP060	VP2	12/10/2023	18:55	Golden Plover	2	26	26	0	0	0	bogs; travelling	PC
GP061	VP1	22/11/2023	07:45	Golden Plover	2	-	-	-	-	-	bogs; calling, heard not seen	PC
GP062	VP2	12/12/2023	14:23	Golden Plover	1	102	0	102	0	0	bogs; travelling, lost in the gloom	PC
GP063	VP2	12/12/2023	15:25	Golden Plover	7	246	120	126	0	0	bogs; travelling, lost behind ridge on bog	PC
GP064	VP2	12/12/2023	15:41	Golden Plover	5	35	35	0	0	0	bogs; travelling	PC
GP065	VP1	10/01/2024	11:26	Golden Plover	1	-	-	-	-	-	bogs; calling, heard not seen due to low sun	PC
GP066	VP2	08/04/2024	16:33	Golden Plover	20	22	0	0	22	0	improved agricultural grassland; travelling	PC
GP067	VP2	03/07/2024	08:00	Golden Plover	1	58	0	58	0	0	bogs; travelling, possible golden plover, not 100% sure but didn't look right for anything else	PC
GP068	VP1	24/09/2024	06:55	Golden Plover	1	-	-	-	-	-	bogs; calling, heard calling 5 times	PC
GP069	VP1	24/09/2024	06:57	Golden Plover	1	-	-	-	-	-	bogs; calling, heard not seen	PC
GP070	VP1	24/09/2024	08:00	Golden Plover	8	27	0	0	27	0	improved agricultural grassland and linear woodland/scrub; travelling, lost against dark clouds	PC
GP071	VP1	24/09/2024	08:41	Golden Plover	2	35	35	0	0	0	bogs; travelling, calling	PC
GP072	VP1	24/09/2024	08:52	Golden Plover	14	10	10	0	0	0	bogs and scrub; travelling	PC
GP073	VP1	24/09/2024	08:55	Golden Plover	3	-	-	-	-	-	bogs; calling	PC
GP074	VP1	24/09/2024	11:41	Golden Plover	1	-	-	-	-	-	bogs; calling, heard not seen	PC
GP075	VP2	25/09/2024	06:46	Golden Plover	12	-	-	-	-	-	bogs; calling, 12 calls heard	PC

Ref. ¹	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
GP076	VP2	25/09/2024	07:54	Golden Plover	4	54	0	54	0	0	bogs and scrub; travelling	PC
GP077	VP2	25/09/2024	08:21	Golden Plover	28	1080	350	730	0	0	bogs; travelling, calling	PC
GP078	VP2	25/09/2024	10:17	Golden Plover	39	1860	40	1820	0	0	bogs; travelling, flock of 11 first. 7 joined after 8 minutes. 5 joined after 12 minutes. 13 joined after 22 minutes. 3 joined after 25 minutes	PC
GP079	VP2	25/09/2024	10:35	Golden Plover	12	40	0	40	0	0	bogs; travelling	PC
GP080	VP2	25/09/2024	11:06	Golden Plover	6	335	0	335	0	0	bogs; travelling	PC
GP081	VP2	25/09/2024	11:37	Golden Plover	6	35	0	35	0	0	bogs; travelling	PC
GP082	VP1	02/10/2024	14:46	Golden Plover	1	41	0	0	41	0	bogs; travelling, calling	PC
GP083	VP1	02/10/2024	15:41	Golden Plover	2	34	34	0	0	0	bogs; travelling, not sure where they came from, whether they were on the bog, just appeared in front of me.	PC
GP084	VP1	02/10/2024	18:01	Golden Plover	10	176	176	0	0	0	bogs; travelling, lost against bright sky	PC
GP085	VP2	16/10/2024	14:56	Golden Plover	21	151	0	0	151	0	bogs and conifer plantation; circling, I assume they were circling over the bog behind the forestry. lost them behind trees.	PC
GP086	VP2	16/10/2024	14:59	Golden Plover	2	160	45	115	0	0	bogs; travelling, calling, lost them low over bog behind the VP	PC
GP087	VP2	10/03/2025	07:48	Golden Plover	1	46	0	46	0	0	bogs; travelling, calling	PC

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

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
GP001	14/04/2023	09:31		Golden Plover	30	improved grassland; travelling, quite distant, count is estimate. lost close to the sun (flyover; non-breeding)	PC

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

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
GP001	04/10/2021	10:35		Golden Plover	2	cutover bog; calling, heard calling from bog but didn't see them	PC
GP002	03/10/2022	11:18		Golden Plover	23	bogs; travelling	PC
GP003	09/11/2022	10:38		Golden Plover	1	bogs; travelling	PC
GP004	09/11/2022	10:38		Golden Plover	5	bogs; travelling	PC
GP005	03/10/2023	09:03		Golden Plover	3	bogs; calling, heard whilst watching hen harrier but couldn't see them	PC
GP006	03/10/2023	10:22		Golden Plover	2	bogs; travelling	PC
GP007	03/10/2023	11:33		Golden Plover	1	improved grassland and highly modified/non-native woodland; travelling	PC
GP008	20/11/2023	10:49		Golden Plover	56	bogs; travelling	PC
GP009	16/02/2024	10:34		Golden Plover	3	bogs; calling, number of calls heard but couldn't see bird(s)	PC
GP010	01/10/2024	10:55	T1	Golden Plover	13	bogs; travelling, perched, settled on bog	PC

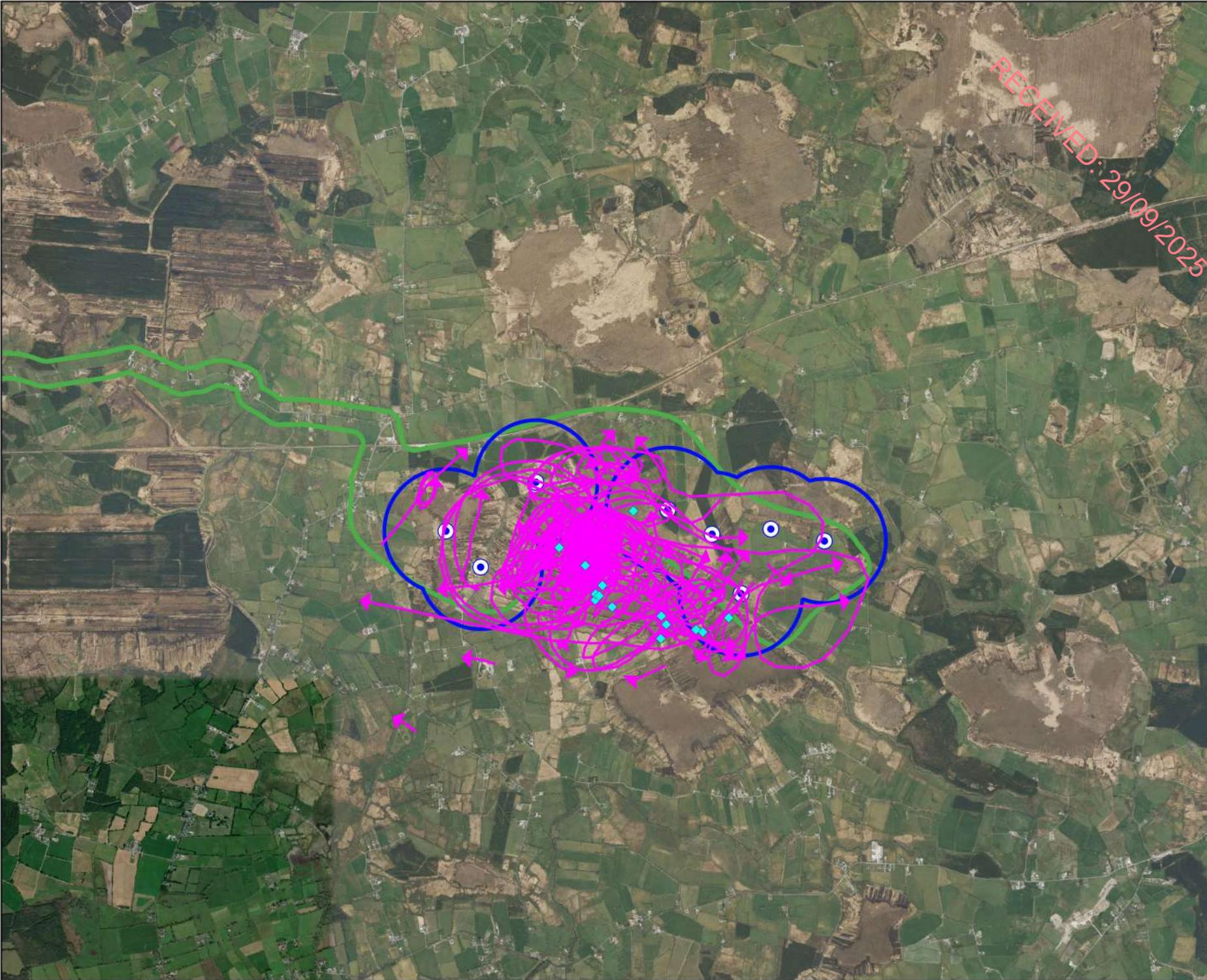
Table 7- 4- 4 Golden plover waterbird distribution and abundance survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GP001	Killimor bog	07/10/2021	10:25	Golden Plover	78	bogs and conifer plantation; travelling, in flight over bog	PC
GP002	Clogheravaun River	18/10/2021	12:03	Golden Plover	40	wet grassland; travelling, flock flew up then immediately dropped. count is estimate.	PC
GP003	Kiltullagh	16/11/2021	09:45	Golden Plover	40	improved grassland; travelling, picked up on horizon whilst watching black-headed gull. not sure where they were exactly and count is an estimate.	PC
PO001	Dominick's Hill Quarry	05/01/2022	09:40	Pochard	1	other artificial lakes and ponds; on water, solitary female	PC
GP004	Lenamore	06/10/2023	08:49	Golden Plover	5	bogs; calling, heard not seen	PC
GP005	Killimor	06/10/2023	09:44	Golden Plover	16	bogs; travelling	PC
GP006	Clogharevaun Bridge	20/10/2023	12:04	Golden Plover	2	watercourses and wet grassland; travelling	PC
SV001	Gortakeeran	17/11/2023	08:45	Shoveler	2	turloughs; foraging	PC
SV002	Gortakeeran turlough	11/12/2023	09:45	Shoveler	2	turloughs; foraging	PC
GP007	Killimor River	15/02/2024	10:54	Golden Plover	94	improved agricultural grassland and conifer plantation; travelling	PC
GP008	Killimor bog	26/09/2024	09:07	Golden Plover	3	bogs; calling, heard not seen	PC

Table 7- 4- 5 Golden plover incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GP001	Hen Harrier Roost Survey; HHVP4	14/10/2022	09:29	Golden Plover	40	bogs; travelling	PC
GP002	Vantage Point Survey; VP2	10/11/2022	12:42	Golden Plover	2	bogs; calling, heard calling behind vantage point, not seen	PC
GP003	Hen Harrier Roost Survey; HHVP3	01/02/2023	09:37	Golden Plover	1	bogs; calling, heard in the dark	PC
GP004	Breeding Raptor Survey; BR4	04/04/2023	13:34	Golden Plover	14	conifer plantation and bogs; travelling	PC
GP005	Breeding Raptor Survey; BR4	04/04/2023	14:24	Golden Plover	16	bogs, conifer plantation and improved grassland; travelling	PC
GP006	Vantage Point Survey; Cappaghnanool	28/09/2023	08:12	Golden Plover	15	bogs; travelling	PC
GP007	Hen Harrier Roost Survey; Gannow	02/10/2023	10:07	Golden Plover	80	bogs; travelling, three flocks circling over main site	PC
GP008	Vantage Point Survey; Gannow	12/10/2023	15:41	Golden Plover	350	conifer plantation; travelling, flock over conifers, count is estimate	PC
GP009	Hen Harrier Roost Survey; HHVP6	28/11/2023	17:35	Golden Plover	28	bogs; travelling, took off from bog	PC
GP010	Hen Harrier Roost Survey; HHVP6	28/11/2023	17:37	Golden Plover	10	bogs; travelling	PC
GP011	Hen Harrier Roost Survey; Gannow	19/03/2024	06:50	Golden Plover	30	bogs; travelling, seen from hhvp3	PC
GP012	Breeding Raptor Survey; Cloonkeenmore South	18/04/2024	07:58	Golden Plover	33	conifer plantation and bogs; travelling	PC
GP013	Breeding Raptor Survey; Cloonkeenmore South	18/04/2024	08:47	Golden Plover	20	conifer plantation and bogs; travelling	PC
GP014	Vantage Point Survey; VP2	25/09/2024	09:01	Golden Plover	12	bogs; travelling, flew over vantage point whilst on break	PC
GP015	Vantage Point Survey; VP2	25/09/2024	11:19	Golden Plover	3	bogs; travelling	PC
GP016	Vantage Point Survey; between VP1 and VP2	25/09/2024	11:43	Golden Plover	17	bogs; travelling	PC
GP017	Vantage Point Survey; Cappaghnanool	16/10/2024	16:09	Golden Plover	3	bogs; circling, timed for 42 secs flying very low over bog before alighting on the bog	PC
GP018	Hen Harrier Roost Survey; HHVP7	22/10/2024	19:10	Golden Plover	5	bogs; calling, birds heard calling over the bog in the dark. I think there were at least 5.	PC

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- 500m Buffer of Proposed Turbine Layout
- Flightline
- ◆ Observation

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Drawing Title
**Golden Plover Observations
 Vantage Point Survey**

Project Title
 Gannow Renewable Energy Development

Drawn By CC	Checked By PM
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Project No. 240323	Drawing No. Fig 7-4-1
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Scale 1:40,000	Date 11.07.2025
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GP001



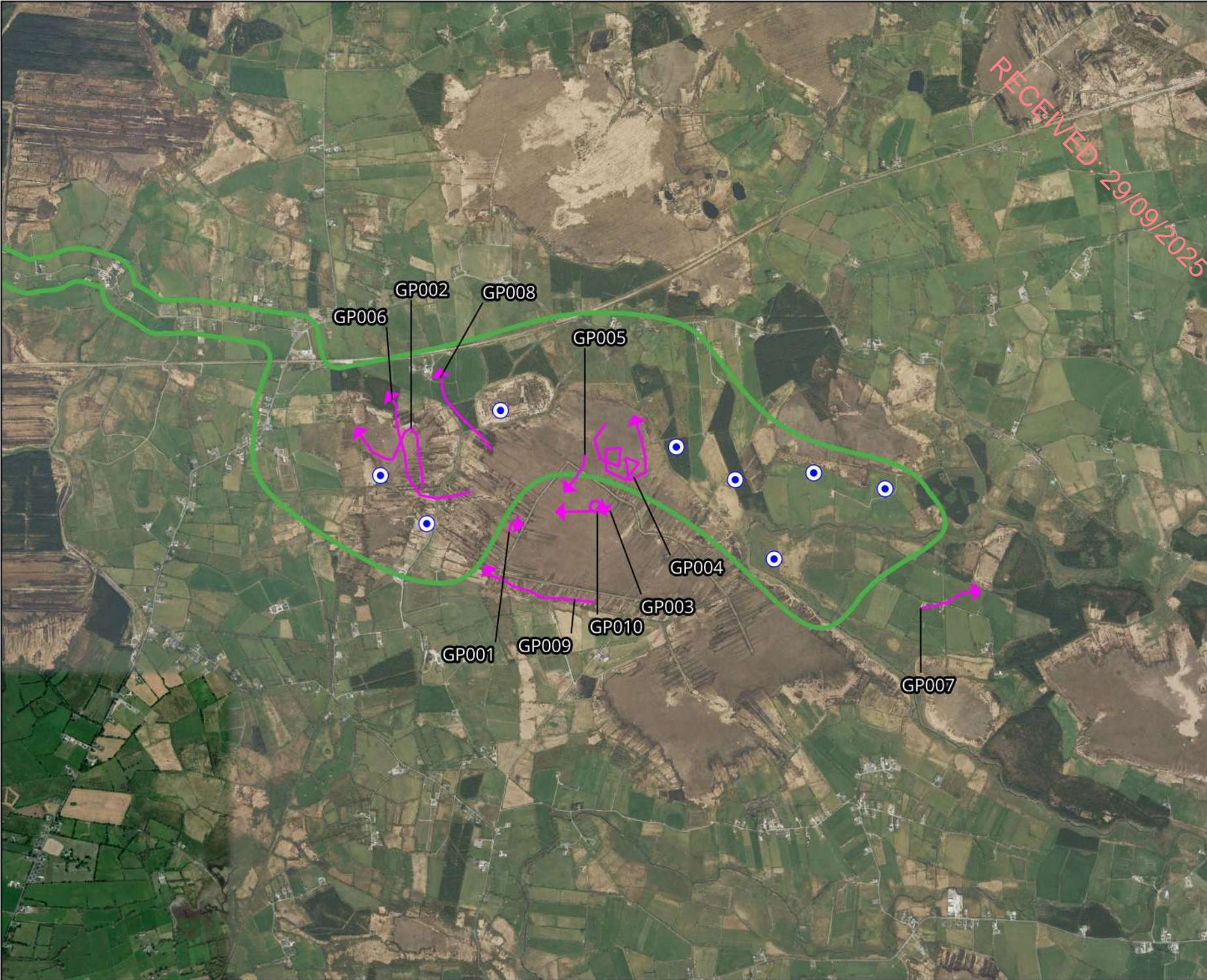
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Breeding Walkover Survey

Project Title
Gannow Renewable Energy Development

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Project No. 240323	Drawing No. Fig 7-4-2
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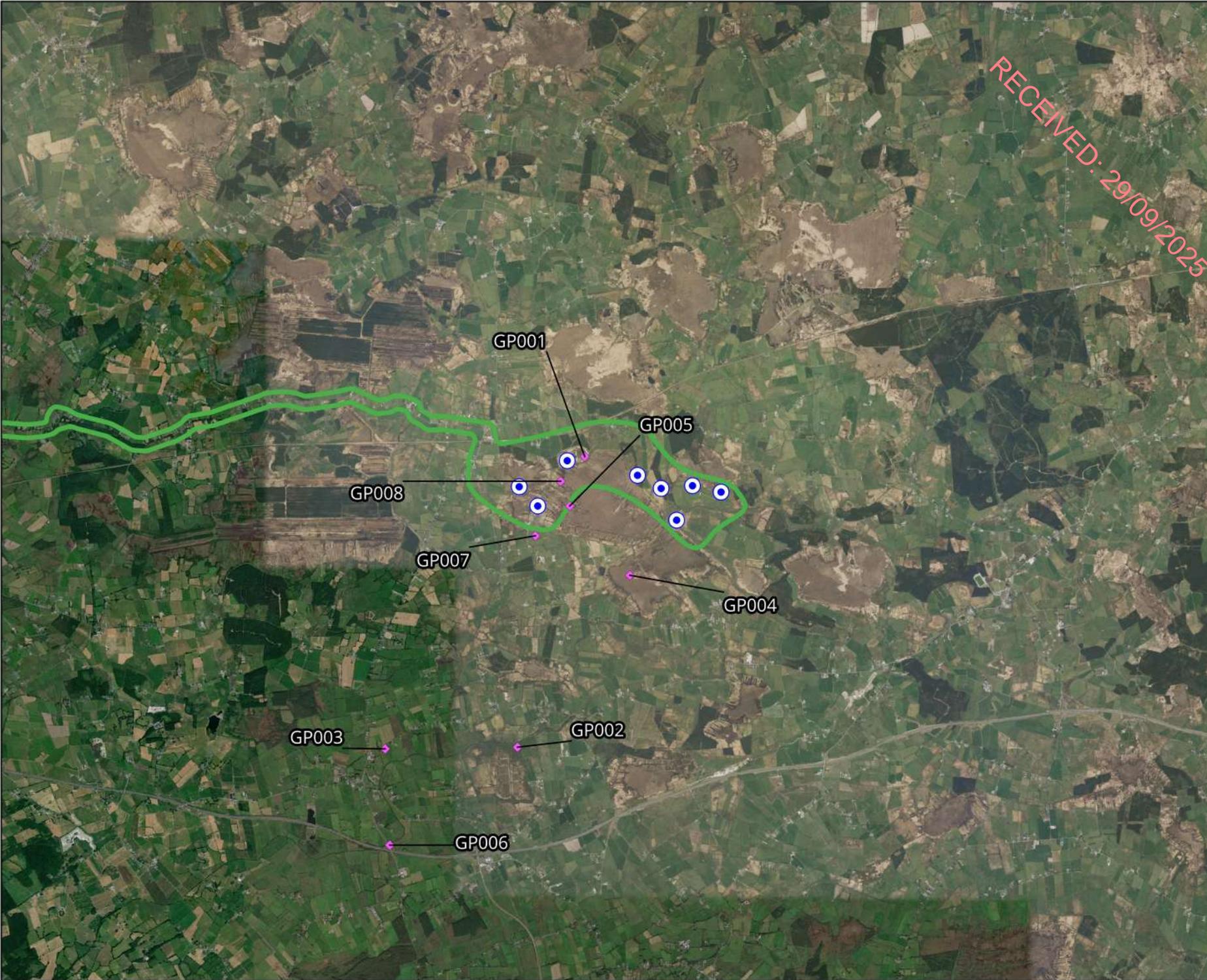
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- Proposed Turbine Layout
- Flightline



Drawing Title Golden Plover Observations Winter Walkover Survey	
Project Title Gannow Renewable Energy Development	
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Project No. 240323	Drawing No. Fig 7-4-3
Scale 1:30,000	Date 11.07.2025

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-  Observation



Drawing Title
Golden Plover Observations
Waterbird Distribution Survey

Project Title
Gannow Renewable Energy Development

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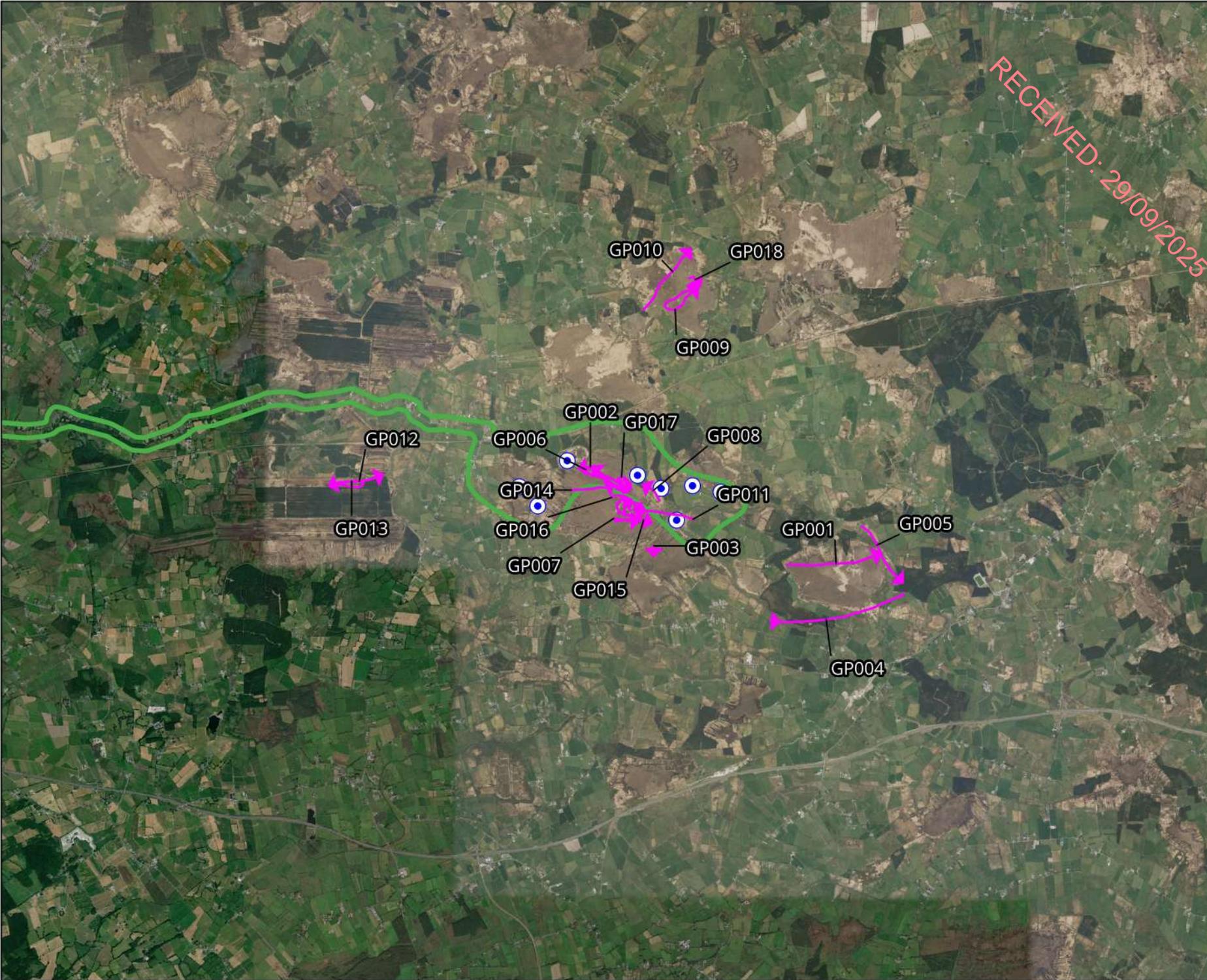
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Golden Plover Incidental Observations	
Project Title	
Gannow Renewable Energy Development	
Drawn By	Checked By
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Project No.	Drawing No.
240323	Fig 7-4-5
Scale	Date
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2.

HEN HARRIER

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

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
HH001	VP2	10/11/2022	16:26	Hen Harrier	1	140	120	20	0	0	bogs and conifer plantation; travelling, adult male	PC
HH002	VP1	23/11/2022	14:46	Hen Harrier	1	20	20	0	0	0	bogs; travelling, possible male. only got brief glimpse of pale bird in distance low over bog. looked right for harrier but not 100% sure.	PC
HH003	VP1	23/11/2022	16:03	Hen Harrier	1	43	5	38	0	0	bogs and conifer plantation; travelling, ringtail	PC
HH004	VP1	23/11/2022	16:04	Hen Harrier	1	26	26	0	0	0	bogs and conifer plantation; travelling, ringtail	PC
HH005	VP1	23/11/2022	16:05	Hen Harrier	1	19	19	0	0	0	bogs; travelling, ringtail	PC
HH006	VP1	07/12/2022	08:38	Hen Harrier	1	35	35	0	0	0	bogs; travelling, male	PC
HH007	VP1	05/01/2023	15:19	Hen Harrier	1	65	65	0	0	0	bogs and wet grassland; hunting, ringtail quartering bog and field	PC
HH008	VP2	23/08/2023	09:21	Hen Harrier	1	20	20	0	0	0	bogs and bog woodland; hunting, timing approximate	PC
HH009	VP2	28/09/2023	12:14	Hen Harrier	1	25	25	0	0	0	bogs; hunting, male, chasing passerines	PC
HH010	VP1	10/10/2023	17:39	Hen Harrier	1	119	119	0	0	0	bogs and conifer plantation; hunting, male, 2nd autumn, dark mantle	PC
HH011	VP2	12/10/2023	15:27	Hen Harrier	1	11	11	0	0	0	bogs and highly modified/non-native woodland; travelling, brief glimpse of silver-grey bird low over bog, presumed to be male hen harrier	PC
HH012	VP2	12/10/2023	15:39	Hen Harrier	1	171	65	106	0	0	bogs and conifer plantation; travelling, ringtail	PC
HH013	VP2	12/10/2023	15:40	Hen Harrier	1	84	84	0	0	0	bogs; hunting, ringtail	PC
HH014	VP1	10/01/2024	09:01	Hen Harrier	1	72	72	0	0	0	bogs; travelling, 2nd autumn male. not sure where he came from, just appeared flying low through bog scrub	PC
HH015	VP2	16/01/2024	09:23	Hen Harrier	1	31	10	21	0	0	conifer plantation, treelines and improved agricultural grassland; travelling, distant sighting of male	PC
HH016	VP1	12/02/2024	12:50	Hen Harrier	1	90	0	90	0	0	conifer plantation and improved agricultural grassland; travelling, ringtail, lost behind forestry	PC
HH017	VP1	12/02/2024	12:51	Hen Harrier	1	121	121	0	0	0	bogs; travelling, male, 2nd autumn	PC

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
HH018	VP1	12/02/2024	13:31	Hen Harrier	1	48	38	10	0	0	bogs and conifer plantation; travelling, male, 2nd autumn	PC
HH019	VP2	18/11/2024	11:51	Hen Harrier	1	137	137	0	0	0	bogs; travelling, hunting, perched, male, looked like 2nd autumn. perched briefly on bog in view of VP, was then flushed when a hooded crow chased a buzzard past the harrier.	PC
HH020	VP2	27/01/2025	10:27	Hen Harrier	1	129	129	0	0	0	bogs; travelling, hunting, male, seemed to be hunting on the bog	PC
HH021	VP2	10/03/2025	08:56	Hen Harrier	1	19	19	0	0	0	bogs; mobbed, mobbed by corvid, which forced the harrier to drop below treeline. just a silhouette, couldn't tell which sex.	PC

Table 7- 4- 7 Hen harrier breeding walkover survey data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
HH001	13/04/2023	11:28	Hen Harrier	1	wet grassland and improved agricultural grassland; travelling, ringtail (flyover; non-breeding)	PC

Table 7- 4- 8 Hen harrier winter walkover survey data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
HH001	03/10/2023	09:00	Hen Harrier	1	bogs and scrub/transitional woodland; travelling, young male, maybe 2nd winter. harassed by 2 hooded crow.	PC
HH002	20/11/2023	10:48	Hen Harrier	1	bogs and linear woodland/scrub; travelling, male 2nd autumn	PC
HH003	16/02/2024	13:24	Hen Harrier	1	conifer plantation; travelling, ringtail briefly seen over forestry	PC

Table 7- 4- 9 Hen harrier roost survey data

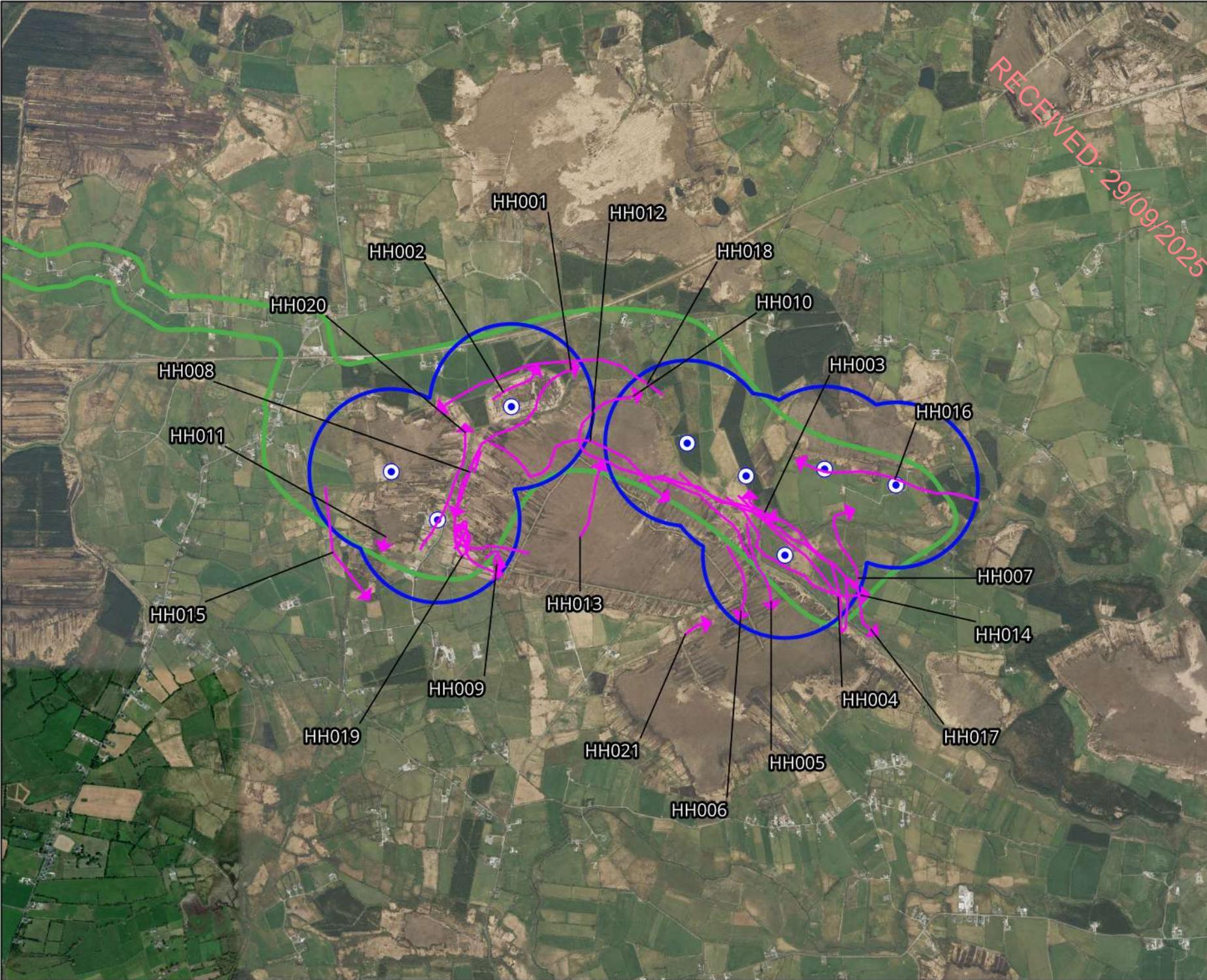
Ref.	HHVP	Date	Time	Species	Number	Habitat and activity	Surveyor
HH001	HHVP1	17/11/2021	07:52	Hen Harrier	1	cutover bog, travelling, ringtail flew low over bog.	PC
HH003	HHVP1	14/01/2022	08:50	Hen Harrier	1	bogs, travelling, ringtail	PC
HH002	HHVP1	08/12/2021	15:45	Hen Harrier	1	bogs, going to roost, hunting, came over track to vp, caught prey in midair and dropped into heather.	PDC
HH005	HHVP2	07/11/2022	07:50	Hen Harrier	1	bogs, leaving roost, travelling, male came up from bog in front of vp, probably roosting	PDC

Ref.	HHVP	Date	Time	Species	Number	Habitat and activity	Surveyor
HH004	HHVP3	19/01/2022	08:35	Hen Harrier	1	bogs, travelling, ringtail came from behind me so not sure if it came up from bog. travelled long way then seemed to drop into scrub.	PC
HH007	HHVP1	16/11/2022	08:29	Hen Harrier	1	bogs, travelling, male, came from bog to the east, not sure if it roosted over that side of the bog	PC
HH010	HHVP3	13/11/2023	15:56	Hen Harrier	1	raised bog, travelling, 2nd autumn male	PC
HH011	HHVP3	13/11/2023	16:10	Hen Harrier	1	bogs and linear woodland/scrub, travelling, male, presumably same bird as before, seen briefly above treeline	PC
HH012	HHVP6	28/11/2023	17:31	Hen Harrier	1	bogs, travelling, male, obviously passing through as it was quite high and showed no intent of roosting on the bog in front of the vantage point	PC
HH013	HHVP6	28/11/2023	17:32	Hen Harrier	1	bogs, travelling, ringtail, very low over bog. looked like she was going to drop a couple of times but carried on, vanishing behind a ridge on the bog	PC
HH014	HHVP1	06/12/2023	15:40	Hen Harrier	1	bogs, travelling, male. flushed when I got out of the car. not sure if on the bog roosting already and I disturbed him.	PC
HH015	HHVP1	06/12/2023	16:05	Hen Harrier	1	bogs, improved agricultural grassland and wet grassland, travelling, ringtail. flew up track, heading towards the car then diverted over the fields next to the track. lost it behind the treeline.	PC
HH019	HHVP7	20/12/2023	16:07	Hen Harrier	1	bogs, travelling, brief sighting of male bird very low over bog.	PC
HH023	HHVP6	02/01/2024	15:47	Hen Harrier	1	bogs, travelling, ringtail, travelled across bog below tree level but lost behind scrub to northeast of vantage point. not sure it roosted.	PC
HH024	HHVP6	02/01/2024	16:26	Hen Harrier	1	bogs, travelling, male, brief view of bird over bog before it appeared to drop.	PC
HH026	HHVP7	18/01/2024	16:45	Hen Harrier	1	bogs, travelling, ringtail, dropped onto bog and wasn't seen again	PC
HH027	HHVP2	02/02/2024	09:40	Hen Harrier	1	conifer plantation and improved agricultural grassland, travelling, ringtail, distant view of silhouette. didn't look right for buzzard.	PC
HH028	HHVP1	09/02/2024	08:40	Hen Harrier	1	bogs and conifer plantation, travelling, male, looked like 2nd autumn	PC
HH029	HHVP7	22/02/2024	16:34	Hen Harrier	1	conifer plantation and bogs, travelling	PC
HH030	HHVP6	26/02/2024	18:10	Hen Harrier	1	bogs and conifer plantation, travelling, male, 2nd autumn	PC
HH031	HHVP6	01/03/2024	07:50	Hen Harrier	1	improved agricultural grassland and linear woodland/scrub, travelling, male, probably 2nd autumn, flying well above treeline so quite high for a harrier	PC
HH032	HHVP4	17/10/2024	08:12	Hen Harrier	1	bogs and scrub, travelling, silhouette flying towards me. not sure this was harrier, but flight profile looked right and wasn't as bulky as buzzard. it was quite high when spotted, then it dropped and disappeared behind scrub. probably passing through rather than roosting.	PC
HH033	HHVP1	21/10/2024	08:43	Hen Harrier	1	bogs and conifer plantation, travelling, male, looked like 2nd calendar year bird. was very low when spotted so had probably roosted nearby.	PC
HH034	HHVP1	20/11/2024	15:39	Hen Harrier	1	bogs, flying, male briefly observed, 50mins before sundown	ZOC
HH035	HHVP2	21/11/2024	15:52	Hen Harrier	1	bogs and improved agricultural grassland, hunting, male flying low over bog, 35mins before sundown	ZOC

Ref.	HHVP	Date	Time	Species	Number	Habitat and activity	Surveyor
HH036	HHVP2	21/11/2024	16:28	Hen Harrier	1	bogs, flying, male likely same bird as earlier travelling and last observed flying north and off site, just before sundown	ZOC
HH037	HHVP1	05/12/2024	16:36	Hen Harrier	1	raised bog and cutover bog, flying, male, 15-25m	FLM
HH038	HHVP1	07/02/2025	17:04	Hen Harrier	1	cutover bog, commuting, male, 30 min before sunset, didn't go to roost, was heading towards the site	CG

Table 7- 4- 10 Hen harrier incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
HH001	Waterbird Distribution Survey; Killimor	06/10/2023	09:40	Hen Harrier	1	bogs and improved grassland; travelling, ringtail	PC
HH002	Waterbird Distribution Survey; Ballynahown	01/11/2023	13:21	Hen Harrier	1	improved agricultural grassland; travelling, male, spotted from car	PC
HH003	Waterbird Distribution Survey; Killimor Bog	11/12/2023	08:55	Hen Harrier	1	bogs and conifer plantation; travelling, ringtail passing through. not sure if it came up from the bog as it appeared from between conifer plantations. it was quite low initially.	PC
HH004	Vantage Point Survey; Cappaghnanool	12/12/2023	16:01	Hen Harrier	1	bogs and conifer plantation; travelling, ringtail, flew behind perched merlin	PC
HH005	Waterbird Distribution Survey; Dominick's Hill	16/09/2024	09:14	Hen Harrier	1	improved agricultural grassland; travelling, male	PC
HH006	Waterbird Distribution Survey; Dominick's Hill Quarry	16/09/2024	09:15	Hen Harrier	1	improved agricultural grassland and conifer plantation; travelling, ringtail	PC
HH007	Waterbird Distribution Survey; wood lough	26/09/2024	08:18	Hen Harrier	1	scrub and bogs; travelling, soaring, 2 calendar year male	PC



- ### Map Legend
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 - ▭ 500m Buffer of Proposed Turbine Layout
 - Flightline



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Project Title Gannow Renewable Energy Development	
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HH001



Drawing Title
**Hen Harrier Observations
 Breeding Walkover Survey**

Project Title
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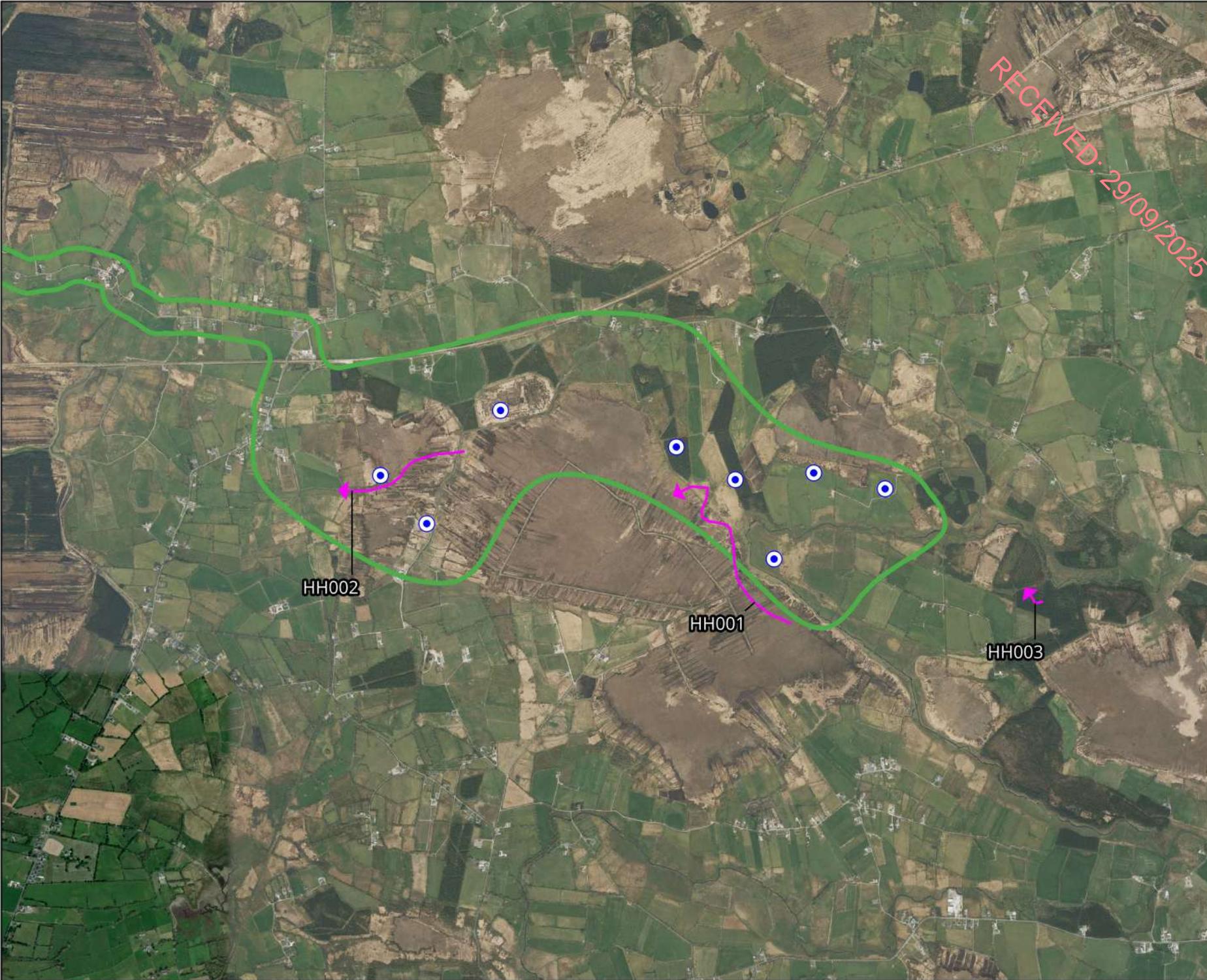
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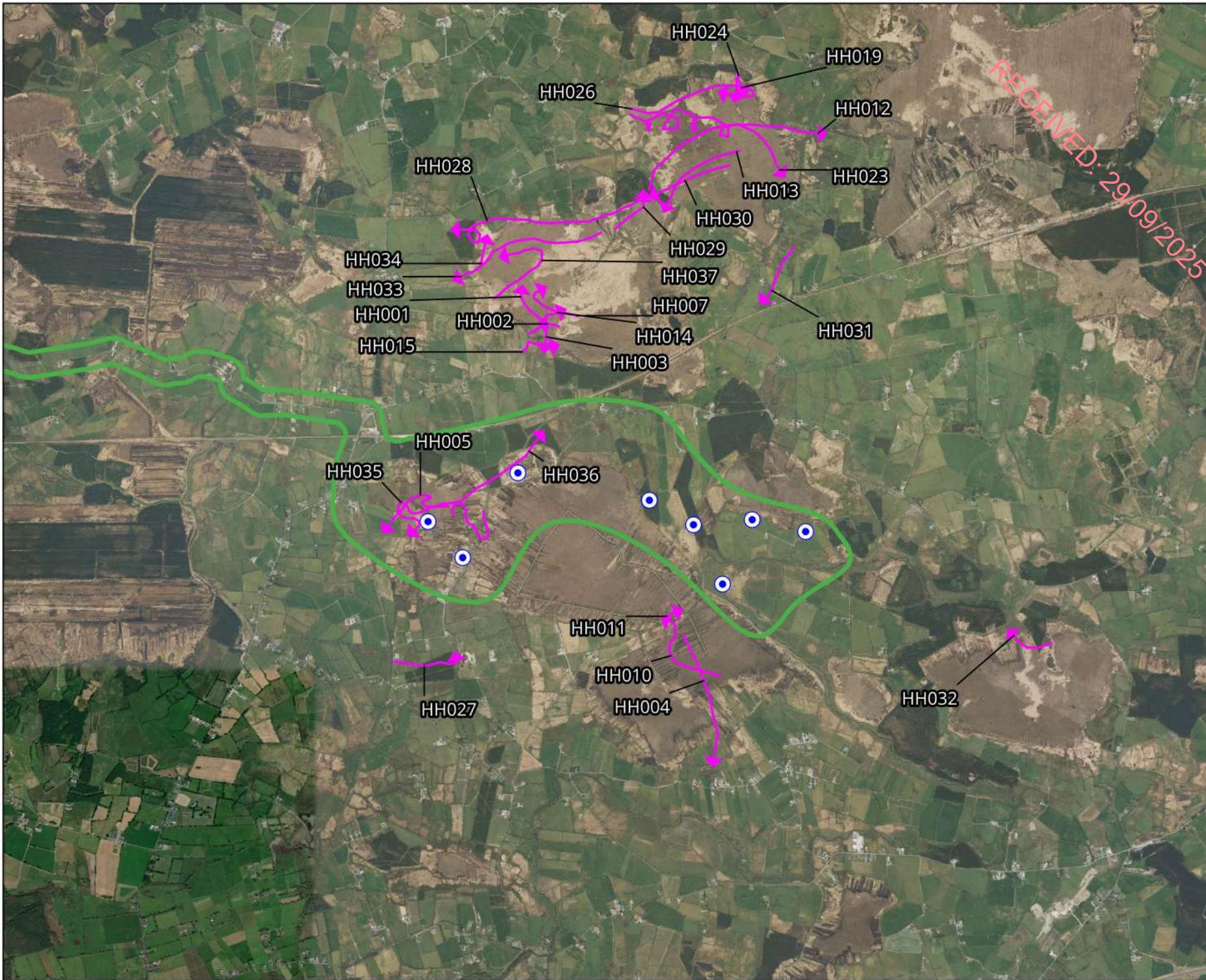


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Project Title	
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Drawing Title
 Hen Harrier Observations
 Hen Harrier Roost Survey

Project Title
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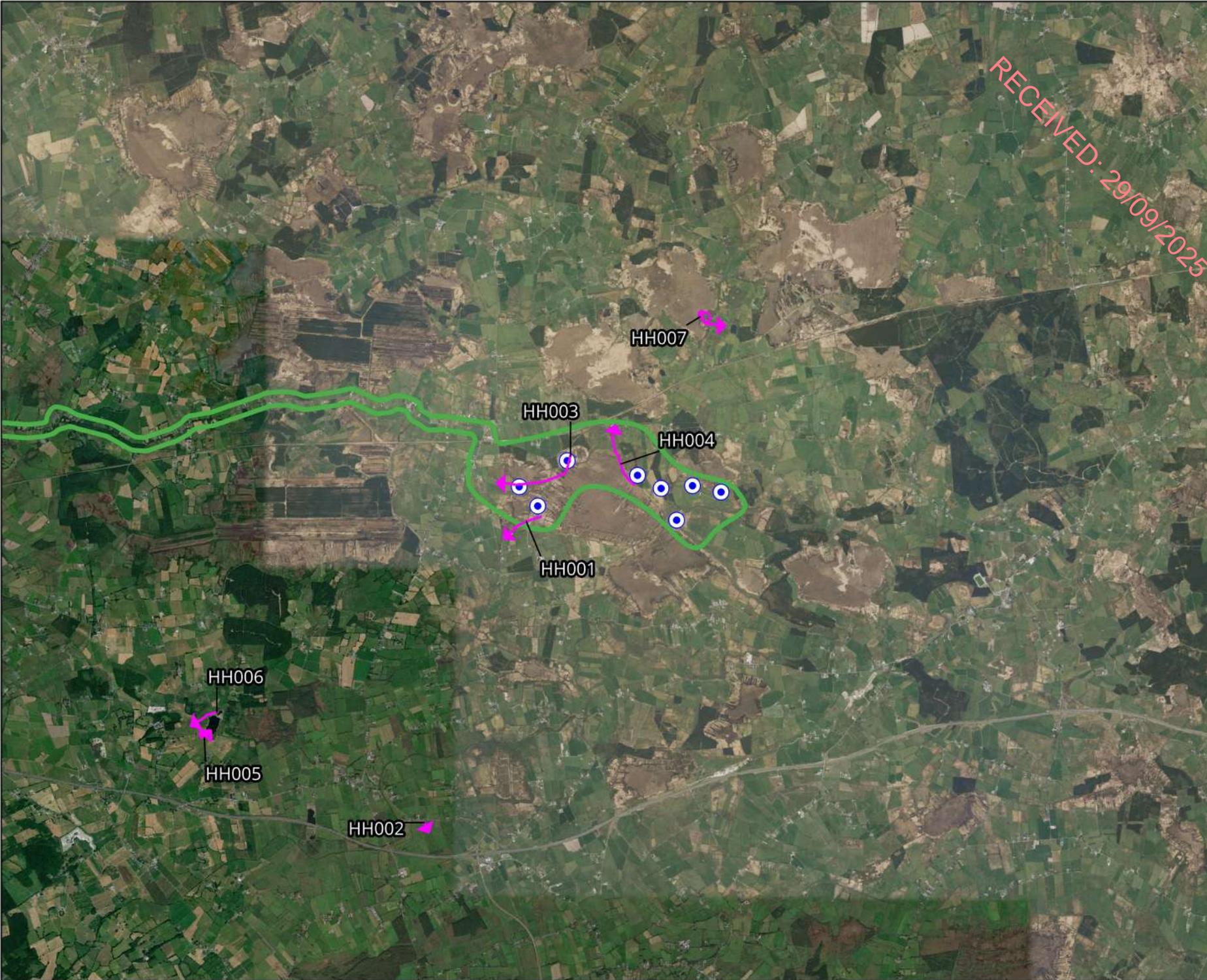
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Project Title	
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3.

LITTLE EGRET

Table 7- 4- 11 Little egret vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
ET001	VP1	13/10/2022	11:51	Little Egret	1	180	0	0	180	0	watercourses and conifer plantation; travelling	PC
ET002	VP2	12/12/2023	15:24	Little Egret	1	50	0	50	0	0	conifer plantation and bogs; travelling	PC
ET003	VP1	19/11/2024	11:11	Little Egret	1	37	37	0	0	0	bogs and watercourses; travelling, spotted when I did a quick scan whilst watching the previous sighting of kestrel. didn't see where it went as I turned my attention back to the kestrel.	PC

Table 7- 4- 12 Little egret waterbird distribution and abundance survey data

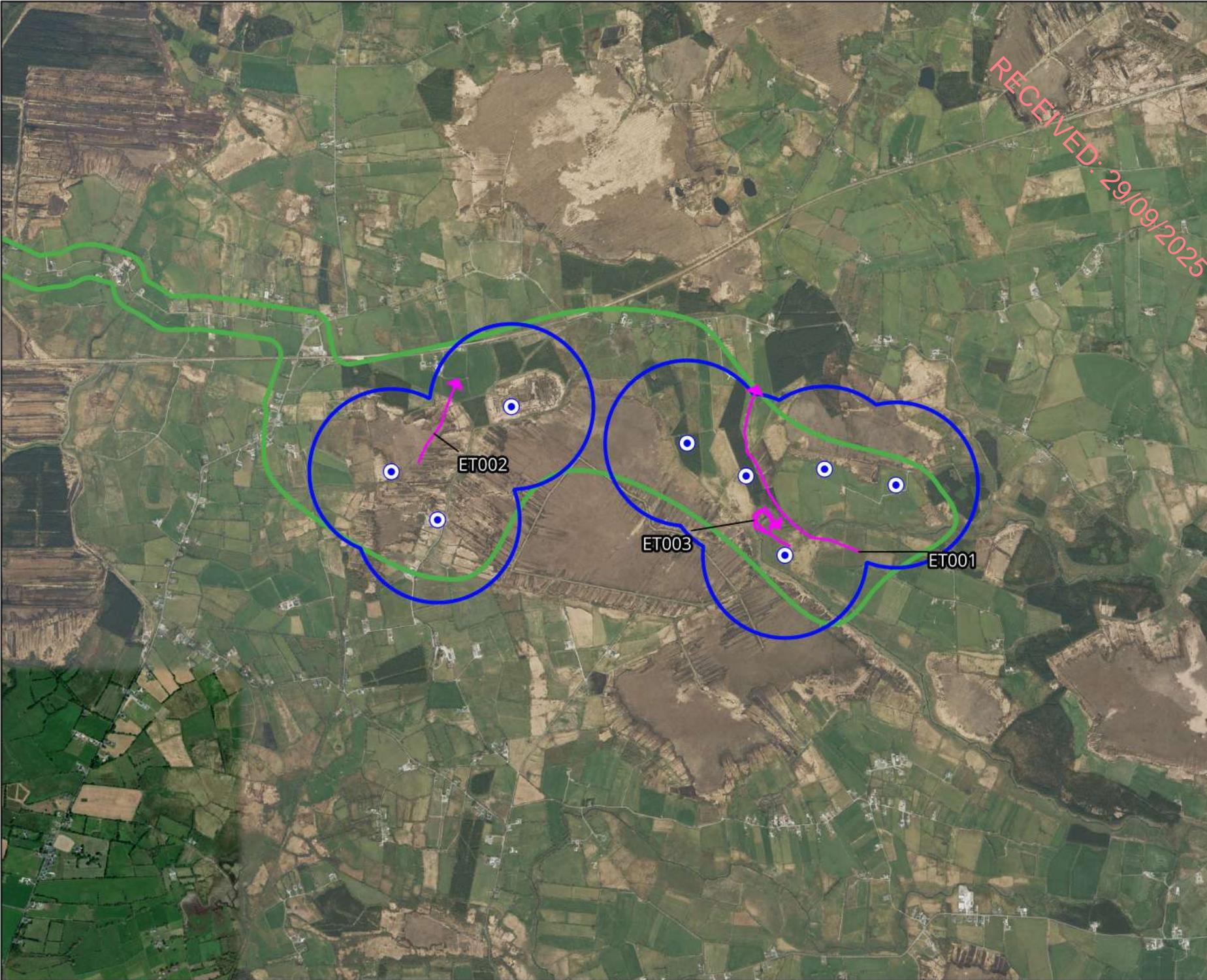
Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ET001	Kiltullagh	07/10/2021	08:20	Little Egret	1	watercourses and wet grassland; hunting, hunting on flooded field next to Radford River	PC
ET002	Clogheravaun River	07/10/2021	11:39	Little Egret	1	watercourses and wet grassland; standing, standing on riverbank with heron	PC
ET003	Killimor Bog	16/11/2021	11:06	Little Egret	1	bogs and drainage ditches; feeding, feeding around drainage ditches	PC
ET004	Kiltullagh	03/12/2021	10:21	Little Egret	1	watercourses; flushed	PC
PO001	Dominick's Hill Quarry	05/01/2022	09:40	Pochard	1	other artificial lakes and ponds; on water, solitary female	PC
ET005	Killimor Bog	05/01/2022	12:13	Little Egret	1	improved agricultural grassland and lakes and ponds; travelling, flew over car as I was eating a roll	PC
ET006	Dominick's Hill Quarry	02/03/2022	09:06	Little Egret	3	other artificial lakes and ponds and improved agricultural grassland; travelling, flew past	PC
ET007	Dominick's Hill Quarry	03/05/2022	08:22	Little Egret	1	other artificial lakes and ponds and improved agricultural grassland; travelling	PC
ET008	Kiltullagh	20/10/2023	08:00	Little Egret	1	turloughs; foraging	PC
SV001	Gortakeeran	17/11/2023	08:45	Shoveler	2	turloughs; foraging	PC
SV002	Gortakeeran turlough	11/12/2023	09:45	Shoveler	2	turloughs; foraging	PC
ET009	Gortakeeran turlough	02/02/2024	10:06	Little Egret	1	turloughs; foraging	PC



Table 7 - 4 - 13 Little egret incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ET001	Hen Harrier Roost Survey; HHVP3	03/12/2024	14:58	Little Egret	1	bogs and improved agricultural grassland; flying	ZOC
ET002	Hen Harrier Roost Survey; HHVP4	04/12/2024	16:11	Little Egret	1	bogs; flying	ZOC

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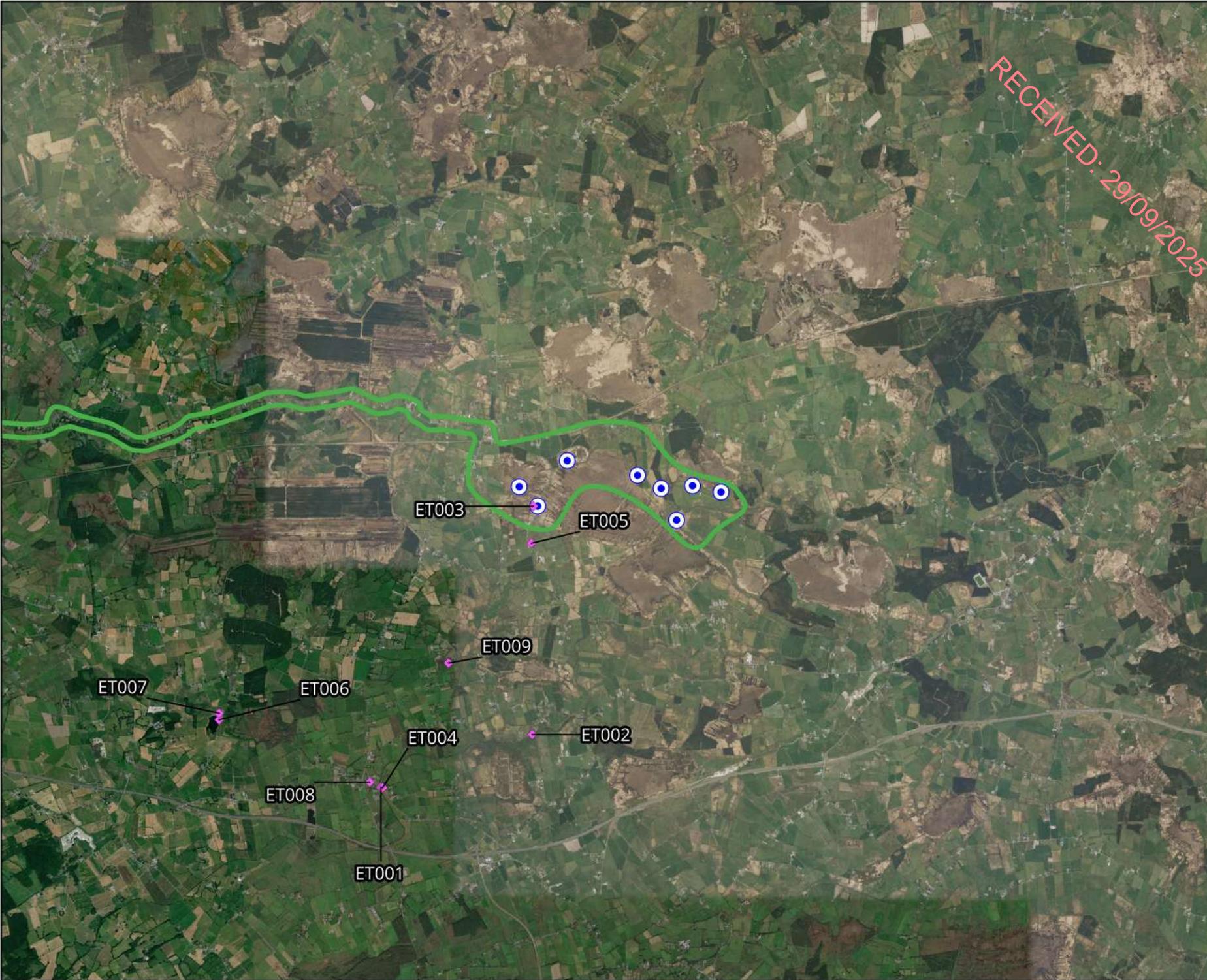
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Drawing Title Little Egret Observations Vantage Point Surveys	
Project Title Gannow Renewable Energy Development	
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Project No. 240323	Drawing No. Fig 7-4-11
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 Waterbird Distribution Survey

Project Title
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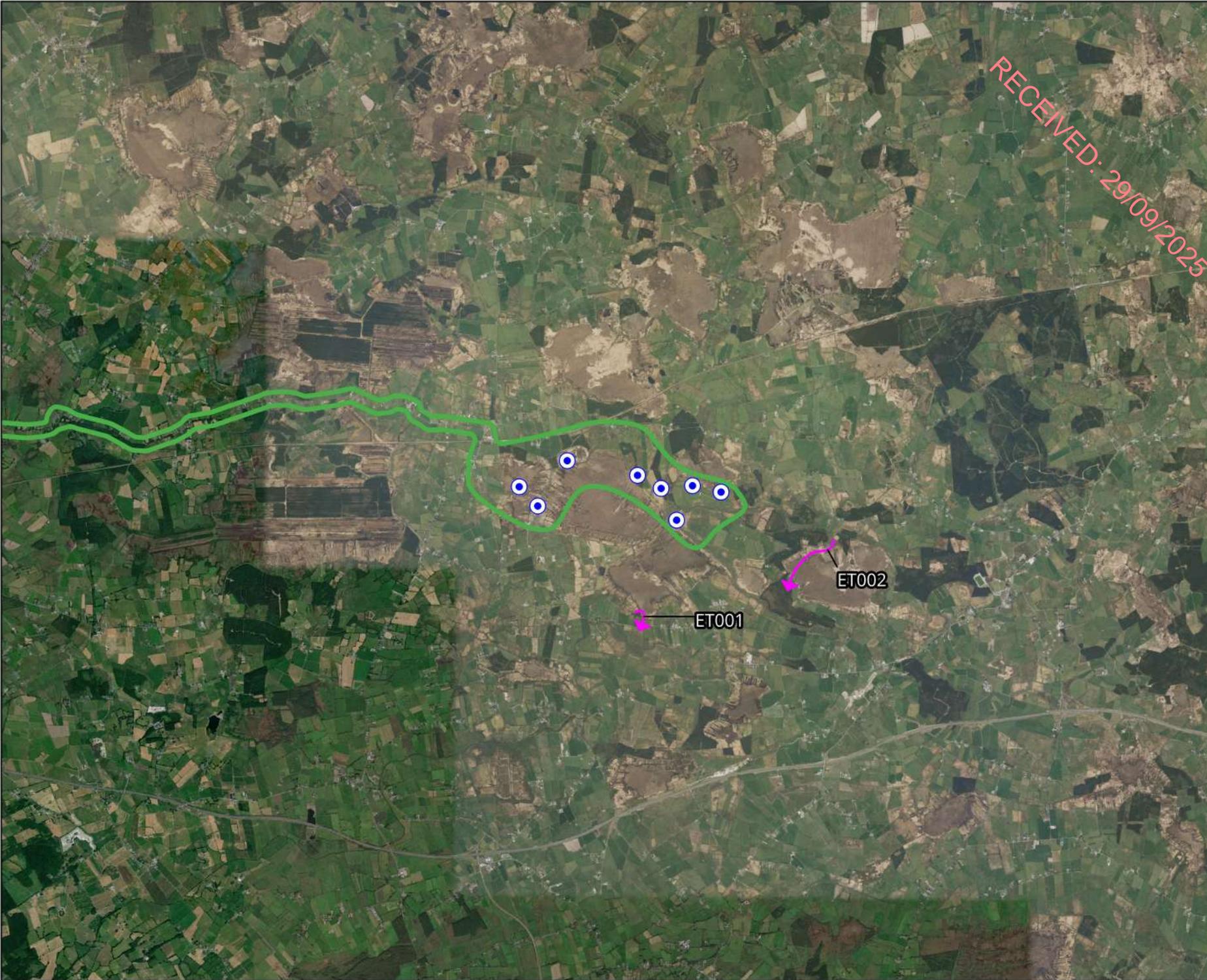
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4.

MERLIN

Table 7- 4- 14 Merlin vantage point survey data

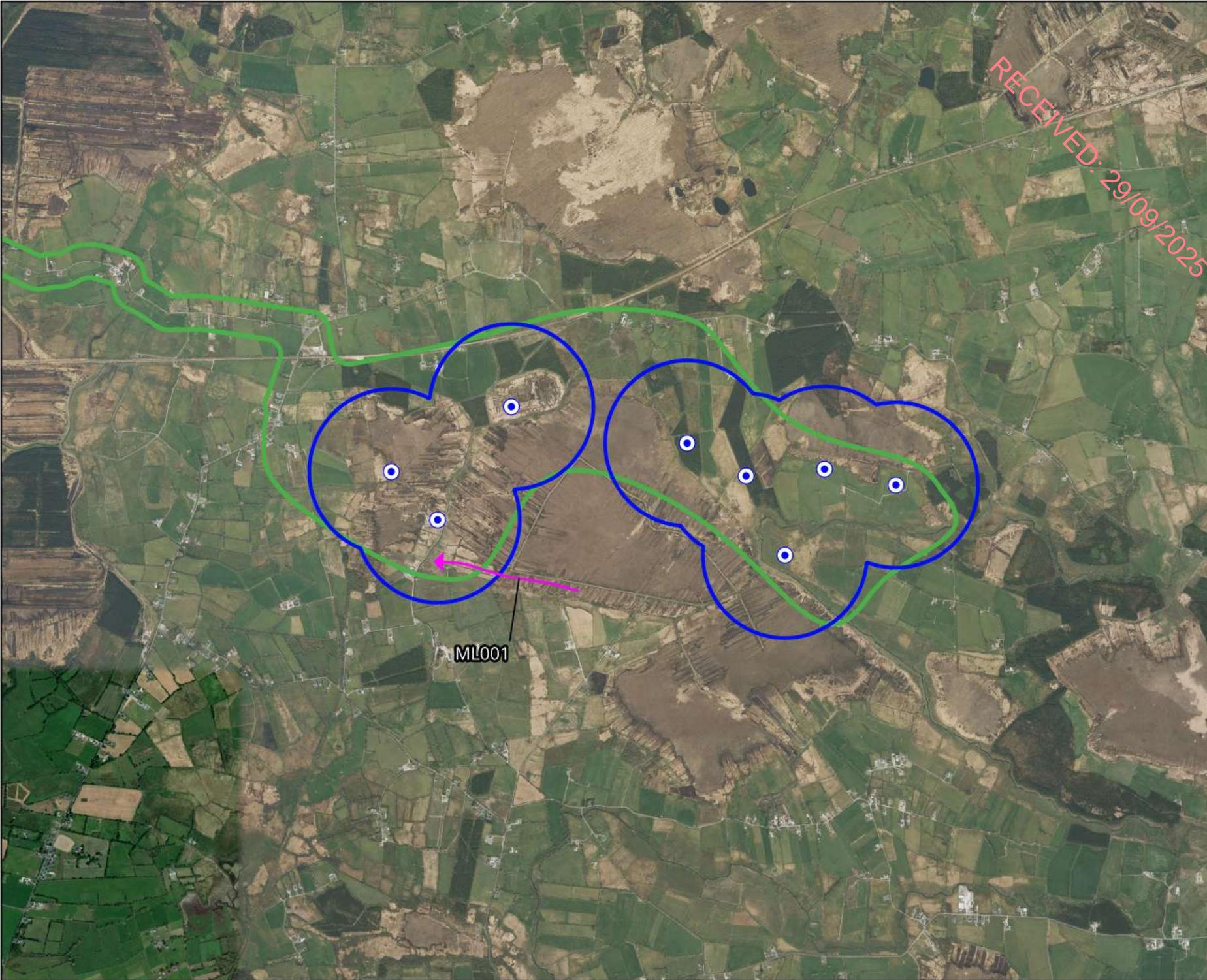
Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
ML001	VP2	12/10/2023	18:53	Merlin	1	17	17	0	0	0	bogs; travelling, probable merlin. low light so identified by process of elimination - low, fast flight, small size, dark uppers	PC

Table 7- 4- 15 Merlin breeding raptor survey data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
ML001	BR4	09/04/2024	11:30	Merlin	1	bogs, travelling, probable female low over bog	suitable nesting habitat; possible breeder	PC
ML002	BR4	23/05/2024	10:01	Merlin	1	bogs, travelling, bird looked dark overall, heavily streaked undersides so probably female	suitable nesting habitat; possible breeder	PC

Table 7- 4- 16 Merlin incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ML001	Hen Harrier Roost Survey; HHVP3	06/01/2023	10:42	Merlin	1	bogs; travelling, appeared to come up from bog so possibly roosting.	PC
ML002	Waterbird Distribution Survey; Derrynamanagh	05/09/2023	10:21	Merlin	1	improved agricultural grassland and linear woodland/scrub; hunting, 90% sure it was merlin only got brief view as it flew across road in front of me. female or juvenile	PC
ML003	Vantage Point Survey; VP2	12/12/2023	15:28	Merlin	1	bogs; travelling, female, seen flying and perched on small bush	PC
ML004	Vantage Point Survey; VP2	12/12/2023	16:00	Merlin	1	bogs; perched, female, same bird as previous sighting, perched on same stump as before	PC
ML005	Hen Harrier Roost Survey; HHVP7	15/03/2024	08:48	Merlin	1	bogs; travelling, male, came up from bog, possibly roosting	PC
ML006	Hen Harrier Roost Survey; Lenamore	18/10/2024	08:10	Merlin	1	bogs; travelling, came up from bog close to vantage point, probably from its roost	PC



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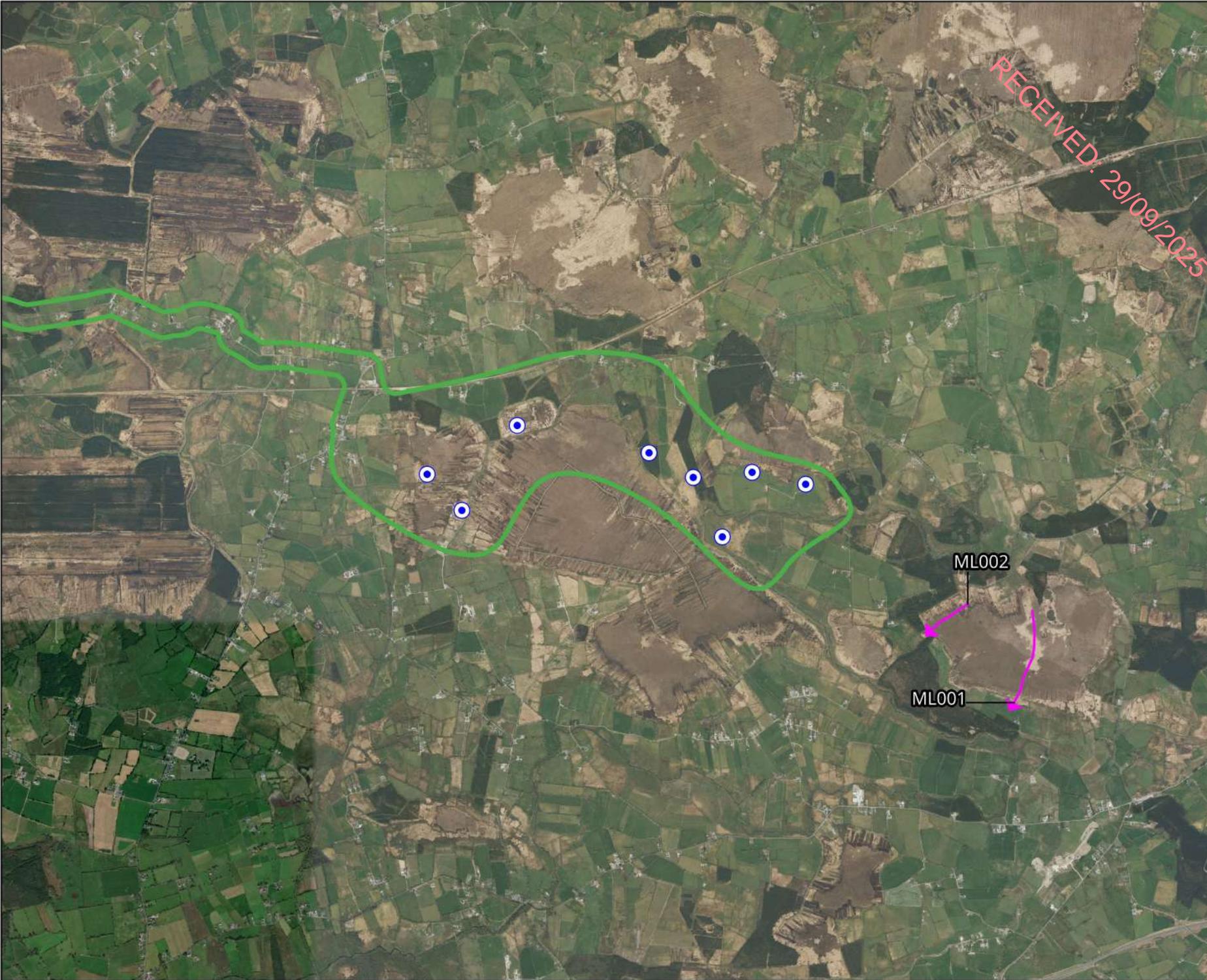
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Project Title Gannow Renewable Energy Development	
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Project No. 240323	Drawing No. Fig 7-4-14
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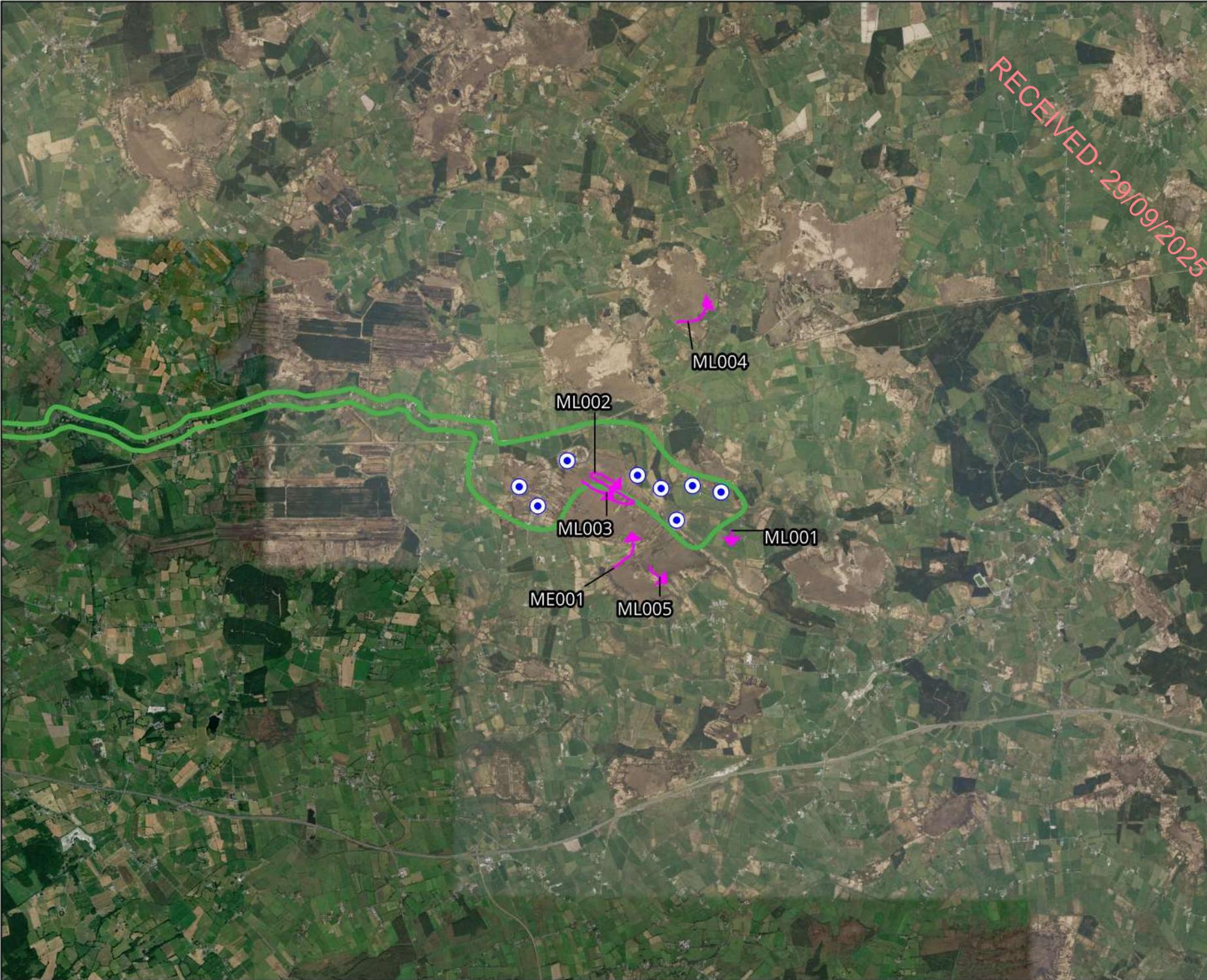


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Project Title	
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5.

PEREGRINE

Table 7 - 4 - 17 Peregrine vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
PE001	VP1	24/11/2021	11:09	Peregrine	1	15	15	0	0	0	bogs; travelling, flew across in front of vantage point	PC
PE002	VP1	24/11/2021	12:24	Peregrine	1	10	10	0	0	0	bogs; travelling, juvenile. flew over vantage point.	PC
PE003	VP1	29/03/2022	18:22	Peregrine	1	10	10	0	0	0	bogs and linear woodland/scrub; travelling, just finished timing buzzard, turned and had brief glimpse of adult Peregrine just over scrub near vantage point. flew behind vantage point, lost behind scrub.	PC
PE004	VP2	03/06/2022	10:59	Peregrine	1	229	0	40	189	0	bogs; travelling, female from size. climbed on thermals until I lost it against bright clouds.	PC
PE005	VP1	22/09/2022	14:21	Peregrine	1	-	-	-	-	-	bogs; perched, juvenile perched on tree for about 10 minutes.	PC
PE006	VP1	22/09/2022	14:22	Peregrine	1	16	16	0	0	0	bogs; travelling, juvenile left perch after heavy shower, lost behind contours of bog	PC
PE007	VP1	22/09/2022	16:08	Peregrine	1	40	0	14	26	0	improved agricultural grassland and linear woodland/scrub; travelling, chased by kestrel then disappeared behind vantage point	PC
PE008	VP2	10/11/2022	13:22	Peregrine	1	80	0	0	80	0	bogs; travelling, juvenile, male from size	PC
PE009	VP1	05/01/2023	14:51	Peregrine	1	91	91	0	0	0	bogs; travelling, flying low over bog, briefly settled on tree then headed off. male from size and shape.	PC
PE010	VP1	05/01/2023	16:05	Peregrine	1	17	17	0	0	0	bogs; hunting, male from size, prob same bird as earlier. stooped at passerine but missed.	PC
PE011	VP2	23/03/2023	13:53	Peregrine	1	34	34	0	0	0	bogs; travelling, flying quickly and low over bog, probably male from size	PC
PE012	VP1	06/04/2023	07:19	Peregrine	1	10	10	0	0	0	bogs; travelling, male from size	PC
PE013	VP1	11/05/2023	19:01	Peregrine	1	30	0	0	30	0	bogs; mobbing	PC
PE014	VP2	12/10/2023	13:39	Peregrine	1	239	5	10	104	120	bogs; hunting, climbed on thermal then stooped at intended prey but missed	PC
PE015	VP2	12/10/2023	14:18	Peregrine	1	77	5	20	40	12	bogs; hunting, watched climb and then stoop	PC
PE016	VP1	12/02/2024	12:54	Peregrine	1	65	10	0	55	0	bogs; hunting, soared briefly then stooped and flew off low and fast over bog	PC

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
PE017	VP1	26/08/2024	10:56	Peregrine	1	26	17	0	9	0	scrub and linear woodland/scrub; mobbing, stooped at buzzard, forcing it down into trees. continued to harass the buzzard after it had dropped, stooping into the trees twice before I lost both birds.	PC
PE018	VP1	24/09/2024	10:08	Peregrine	1	615	0	126	489	0	bogs and conifer plantation; travelling, soaring, juvenile	PC

Table 7 - 4 - 18 Peregrine breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
PE001	15/06/2022	08:19		Peregrine	1	conifer plantation, improved agricultural grassland and bogs; travelling, carrying small item of prey (suitable nesting habitat; possible breeder)	PC

Table 7 - 4 - 19 Peregrine breeding raptor survey data

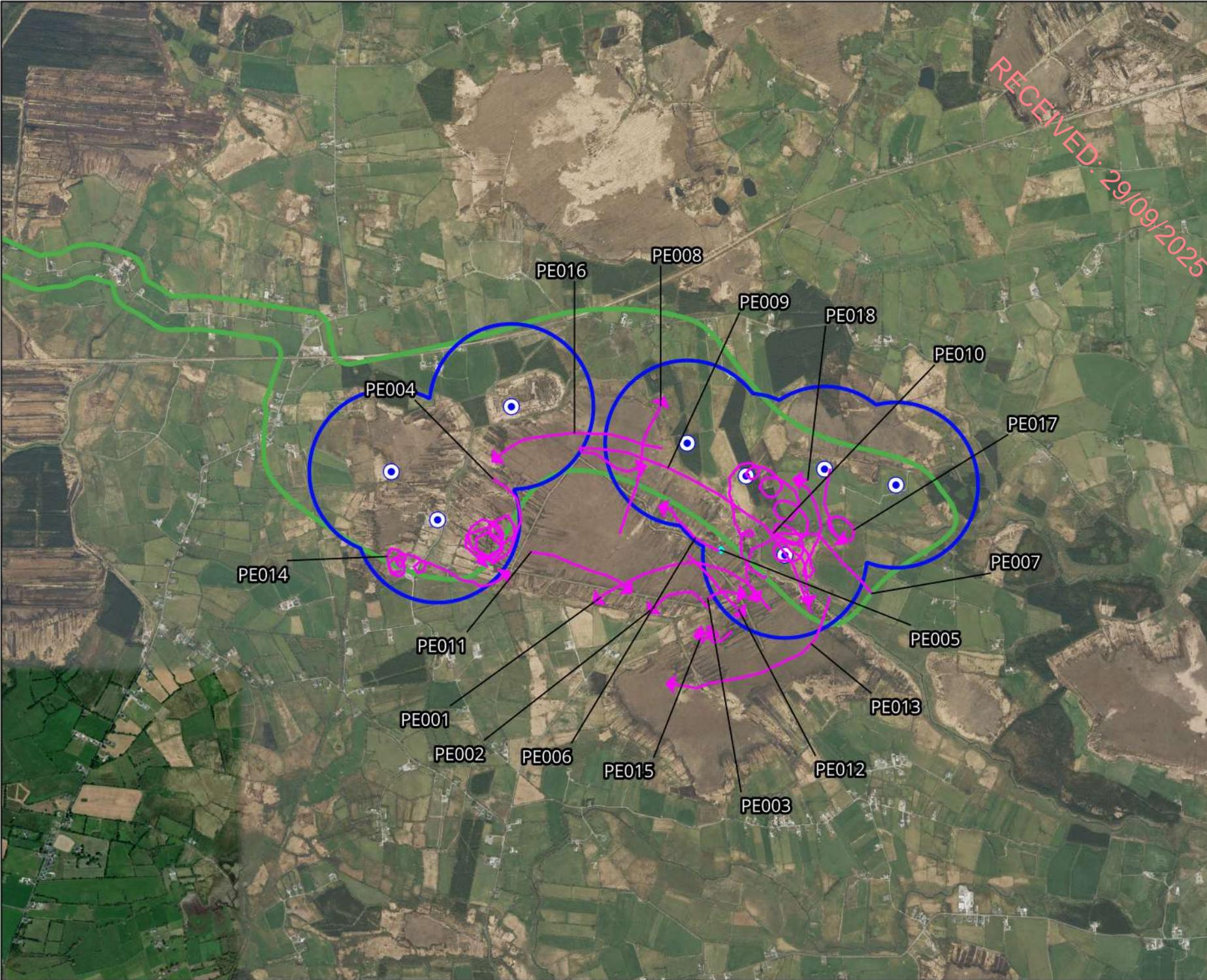
Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
PE001	BR4	09/04/2024	11:32	Peregrine	1	bogs, travelling, briefly seen over bog whilst watching sparrowhawk	flyover; non-breeding	PC
PE002	BR4	09/04/2024	11:40	Peregrine	1	conifer plantation and bogs, travelling	flyover; non-breeding	PC
PE003	BR3	03/05/2024	09:44	Peregrine	1	improved agricultural grassland, travelling, spotted low over fields flying away from me. 90% sure it was peregrine. was definitely a falcon and didn't look right for kestrel.	flyover; non-breeding	PC

Table 7 - 4 - 20 Peregrine winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
PE001	20/11/2023	09:26		Peregrine	1	bogs and linear woodland/scrub; travelling, male from size	PC
PE002	07/03/2025	09:45	T1	Peregrine	1	bogs; perched, travelling, female from size. perched on post on bog then flew off low over bog. lost in the fog.	PC

Table 7 - 4 - 21 Peregrine incidental observations data

Ref.	Location	Date	Time	Specie.7s	Number	Habitat and activity	Surveyor
PE001	Vantage Point Survey; VP2	06/10/2021	08:10	Peregrine		bogs; travelling, flew up out of heather behind vantage point carrying prey, possibly golden plover. didn't see it arrive, poor visibility in rain. juv.	PC
PE002	Hen Harrier Roost Survey; HHVP2	28/10/2021	17:50	Peregrine	1	cutover bog; perched on post before flying off, juvenile (possibly female)	PM
PE003	Hen Harrier Roost Survey; HHVP3	11/02/2022	11:09	Peregrine	1	bogs; travelling, spotted perched on a post on the bog, then flew off low over bog. lost behind rise in the bog.	PC
PE004	Hen Harrier Roost Survey; HHVP1	16/11/2022	08:30	Peregrine	1	improved agricultural grassland and linear woodland/scrub; travelling, probably female	PC
PE005	Hen Harrier Roost Survey; HHVP3	01/02/2023	09:35	Peregrine	1	bogs; travelling, probably male	PC
PE006	Hen Harrier Roost Survey; HHVP1	03/02/2023	09:02	Peregrine	1	bogs; travelling	PC
PE007	Hen Harrier Roost Survey; HHVP1	03/03/2023	07:57	Peregrine	1	bogs; travelling	PC
PE008	Vantage Point Survey; Gannow	12/10/2023	17:15	Peregrine	1	bogs; perched, perched on low bush on bog, didn't see it fly off	PC
PE009	Hen Harrier Roost Survey; HHVP3	19/03/2024	07:11	Peregrine	1	bogs; travelling, juvenile	PC
PE010	Waterbird Distribution Survey; Kiltullagh	26/09/2024	08:16	Peregrine	1	stone walls and other stonework; travelling, was carrying prey and being mobbed by corvids	PC
PE011	Hen Harrier Roost Survey; Beech Hill	17/10/2024	09:45	Peregrine	1	improved agricultural grassland and conifer plantation; travelling, flew over the road when I was driving home from hhvp4	PC
PE012	Hen Harrier Roost Survey; Clooncah	02/01/2025	17:36	Peregrine	1	bogs; travelling	PC
PE013	Hen Harrier Roost Survey; HHVP3	24/02/2025	17:01	Peregrine	1	cutover bog; hunting, commuting	CG



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 - Flightline
 - ◆ Observation



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PE001

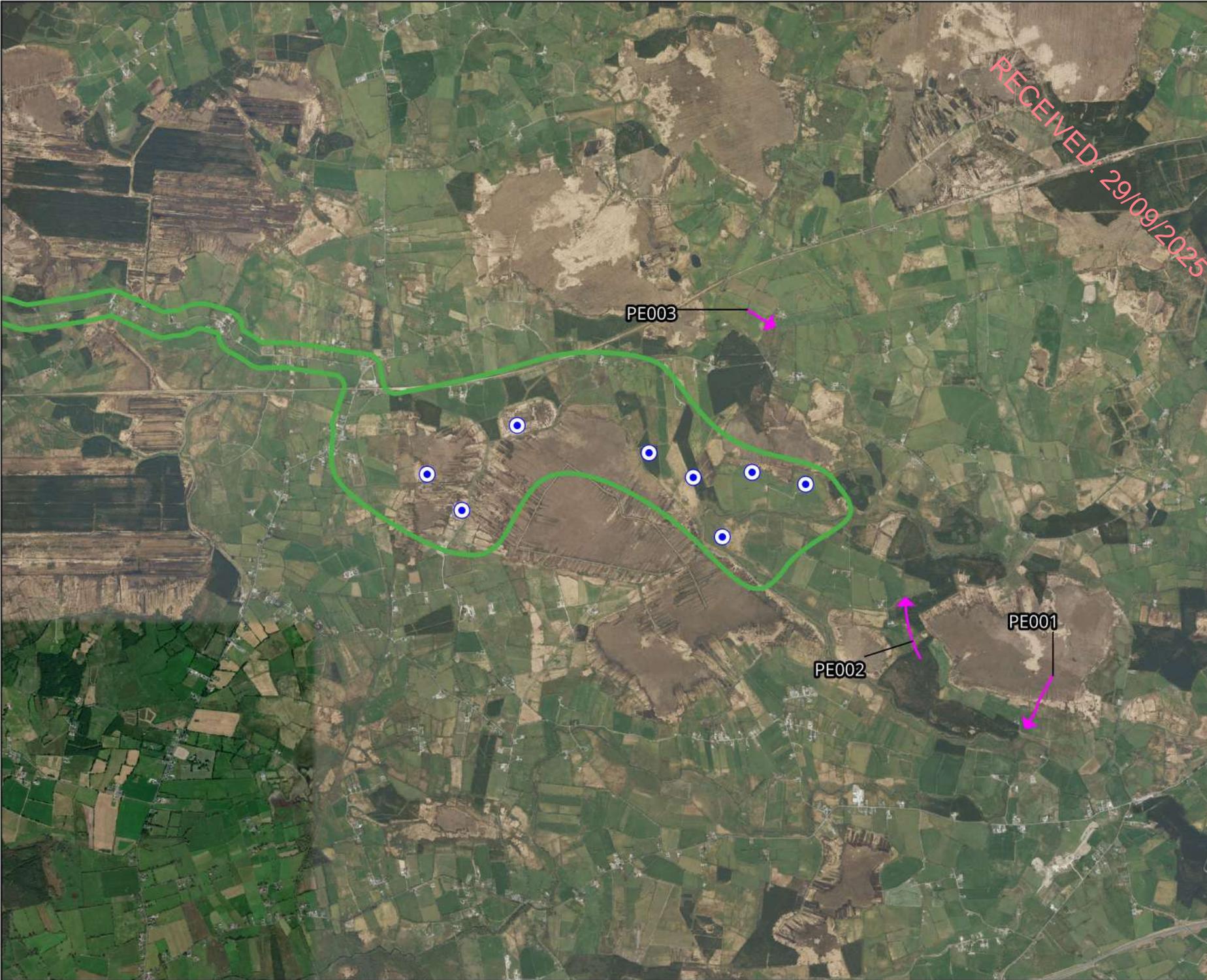


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PE001

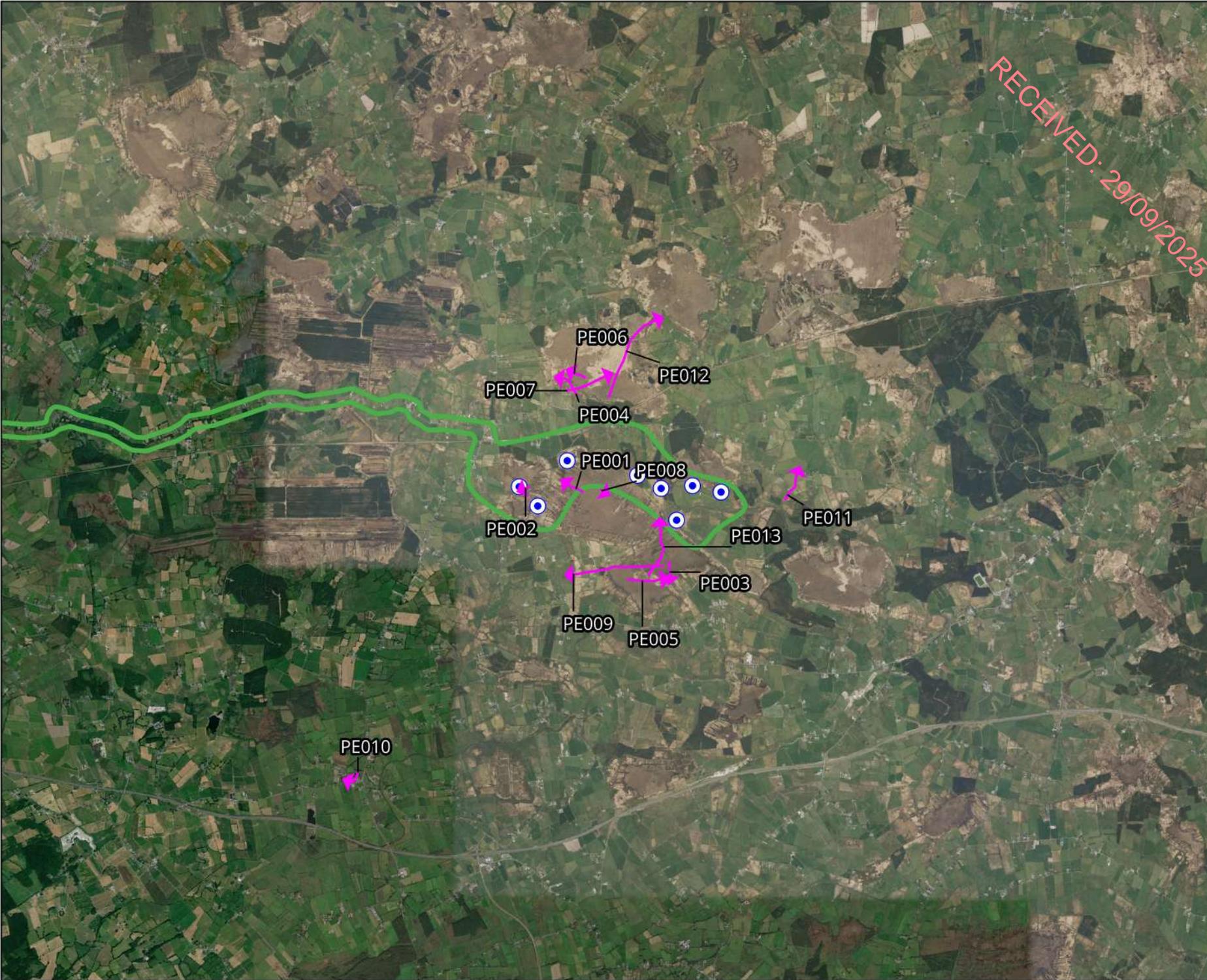
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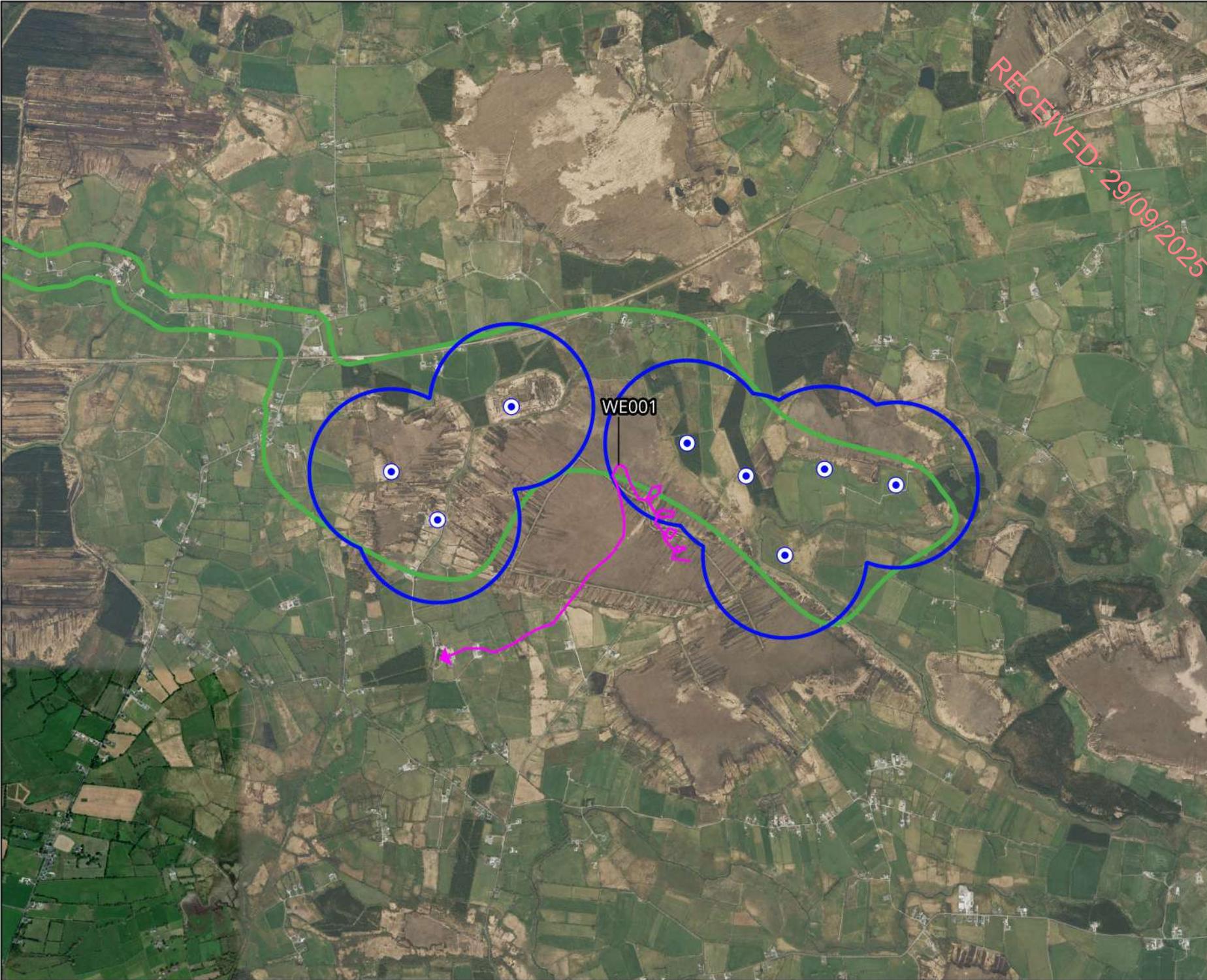
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6.

WHITE-TAILED EAGLE

Table 7 - 4 - 22 White-tailed eagle vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
WE001	VP2	16/03/2022	13:17	White-tailed Eagle	1	840	0	0	240	600	bogs and highly modified/non-native woodland; travelling, mobbed by buzzard and various corvids	PC



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Drawing Title White-tailed Eagle Observations Vantage Point Surveys	
Project Title Gannow Renewable Energy Development	
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7.

WHOOOPER SWAN

Table 7 - 4 - 23 Whooper swan vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
WS001	VP1	10/12/2021	09:02	Whooper Swan	2	32	32	0	0	0	bogs and watercourses; travelling, came low from east and dropped onto site, presumably onto river or pool on bog, not visible due to treeline.	PC
WS002	VP1	13/10/2022	08:42	Whooper Swan	11	47	0	0	47	0	bogs; travelling	PC
WS003	VP2	12/10/2023	17:41	Whooper Swan	6	157	0	157	0	0	bogs; travelling	PC
WS004	VP1	22/11/2023	09:11	Whooper Swan	3	102	0	0	102	0	bogs and improved agricultural grassland; travelling	PC
WS005	VP1	02/10/2024	17:22	Whooper Swan	10	365	0	365	0	0	bogs and conifer plantation; travelling	PC
WS006	VP1	02/10/2024	17:58	Whooper Swan	3	280	0	0	280	0	bogs and conifer plantation; travelling	PC
WS007	VP1	19/11/2024	10:45	Whooper Swan	5	96	0	96	0	0	improved agricultural grassland and conifer plantation; travelling	PC
WS008	VP1	19/11/2024	10:47	Whooper Swan	3	-	-	-	-	-	bogs; calling, travelling, I heard these birds but couldn't see them due to the treeline alongside the VP. sounded like there were at last 3, and I assume they were flying past the site.	PC
WS009	VP1	06/02/2025	13:02	Whooper Swan	2	67	67	0	0	0	watercourses and scrub/transitional woodland; travelling, juveniles, appeared to drop back onto river, from what I could see.	PC
WS010	VP1	06/02/2025	16:51	Whooper Swan	2	28	28	0	0	0	watercourses and scrub/transitional woodland; travelling, dropped onto river. same two juveniles that I saw earlier in the day.	PC

Table 7 - 4 - 24 Whooper swan winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
WS001	09/11/2022	10:37		Whooper Swan	2	watercourses; travelling	PC

Table 7 - 4 - 25 Whooper swan waterbird distribution and abundance surveys data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WS001	Flooded quarry	18/10/2021	09:35	Whooper Swan	6	other artificial lakes and ponds; on water, 2 adults 4 young	PC
WS002	Kiltullagh	16/11/2021	09:00	Whooper Swan	5	improved agricultural grassland; travelling, in flight over fields behind Kiltullagh ns	PC
WS003	Kiltullagh	16/11/2021	10:17	Whooper Swan	21	improved agricultural grassland; feeding	PC
WS004	Kiltullagh North	15/12/2021	09:39	Whooper Swan	90	improved agricultural grassland; grazing	PC
WS005	Kiltullagh	05/01/2022	10:34	Whooper Swan	75	improved agricultural grassland; grazing, visible from road	PC
WS006	Clogheravaun River	05/01/2022	12:45	Whooper Swan	4	lakes and ponds; on water	PC
WS007	Dominick's Hill Quarry	18/01/2022	09:06	Whooper Swan	13	improved grassland; travelling, flew past on way to regular feeding grounds	PC
WS008	Kiltullagh	18/01/2022	10:06	Whooper Swan	104	improved agricultural grassland; grazing, feeding in one of their usual fields	PC
WS009	Dominick's Hill Quarry	04/02/2022	09:13	Whooper Swan	13	improved grassland; travelling, birds from Kiltullagh flock on way to usual feeding site	PC
WS010	Kiltullagh	04/02/2022	09:51	Whooper Swan	65	improved agricultural grassland; feeding, grazing in usual field	PC
WS011	Kiltullagh North	16/02/2022	09:14	Whooper Swan	42	improved agricultural grassland; grazing, in usual field. still there around 13:00.	PC
WS012	Dominick's Hill Quarry	16/02/2022	09:15	Whooper Swan	3	other artificial lakes and ponds; on water, 2 adults 1 juvenile	PC
WS013	Clogheravaun River	16/02/2022	09:43	Whooper Swan	6	wet grassland and watercourses; on water	PC
WS014	Kiltullagh North	02/03/2022	09:53	Whooper Swan	52	improved agricultural grassland; grazing, usual flock, different field!	PC
WS015	Kiltullagh North	21/03/2022	10:06	Whooper Swan	35	improved agricultural grassland; grazing, usual fields	PC
WS016	Dominick's Hill Quarry	16/11/2022	10:11	Whooper Swan	4	other artificial lakes and ponds; on water	PC
WS017	Dominick's Hill Quarry	13/12/2022	09:18	Whooper Swan	8	other artificial lakes and ponds; travelling, flew over road from quarry on arrival	PC
WS018	Kiltullagh North	13/12/2022	10:41	Whooper Swan	79	improved agricultural grassland; foraging	PC
WS019	Kiltullagh	03/01/2023	09:53	Whooper Swan	12	turloughs; foraging	PC
WS020	Kiltullagh North	03/01/2023	11:50	Whooper Swan	5	improved agricultural grassland; roosting, sheltering from rain in field	PC
WS021	Kiltullagh North	07/02/2023	10:25	Whooper Swan	85	improved agricultural grassland; foraging	PC
WS022	Kiltullagh North	17/02/2023	09:32	Whooper Swan	86	improved agricultural grassland; foraging	PC
WS023	Carnakelly	06/03/2023	11:16	Whooper Swan	6	improved agricultural grassland; foraging	PC
WS024	Carnakelly	20/03/2023	09:53	Whooper Swan	6	improved agricultural grassland; foraging	PC
WS025	Curragh Beg	20/03/2023	09:53	Whooper Swan	11	improved agricultural grassland; foraging, remnants of usual Kiltullagh flock	PC
WS026	Gortakeeran Turlough	20/03/2023	10:38	Whooper Swan	8	turloughs; foraging	PC
WS027	Gortakeeran Turlough	01/11/2023	10:54	Whooper Swan	16	turloughs; foraging	PC

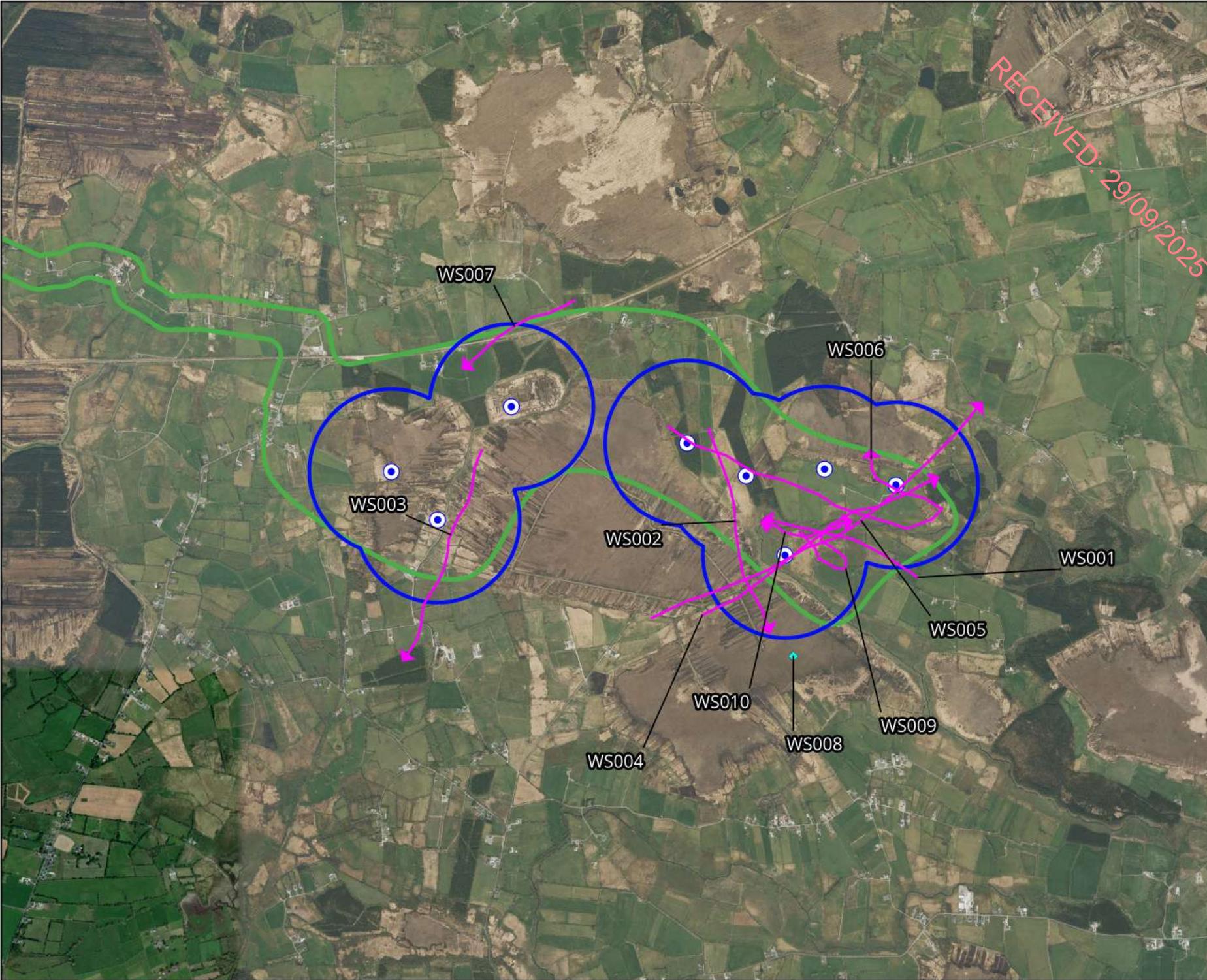
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Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WS028	Clogheravaun River Raford	01/11/2023	11:14	Whooper Swan	6	watercourses and wet grassland; travelling, flew over	PC
WS029	Curragh Beg	01/12/2023	10:49	Whooper Swan	8	improved agricultural grassland; foraging, 2 adults, 6 young	PC
WS030	Greyford	01/12/2023	10:50	Whooper Swan	49	improved agricultural grassland; foraging	PC
WS031	Curragh Beg	11/12/2023	12:45	Whooper Swan	2	improved agricultural grassland; foraging	PC
WS032	Curragh Beg	11/01/2024	10:59	Whooper Swan	63	improved agricultural grassland; foraging	PC
WS033	Dominick's Hill Quarry	02/02/2024	10:32	Whooper Swan	1	other artificial lakes and ponds; resting, seemed to be standing in the shallows	PC
WS034	Greyford	02/02/2024	11:08	Whooper Swan	72	improved agricultural grassland; foraging	PC
WS035	Curragh Beg	15/02/2024	12:10	Whooper Swan	47	improved agricultural grassland; foraging	PC
WS036	Greyford	15/02/2024	12:10	Whooper Swan	10	improved agricultural grassland; foraging	PC
WS037	Carnakelly	15/02/2024	12:11	Whooper Swan	4	improved agricultural grassland; foraging	PC
WS038	Carnakelly	01/03/2024	09:40	Whooper Swan	7	improved agricultural grassland; foraging	PC
WS039	Greyford	01/03/2024	10:04	Whooper Swan	65	improved agricultural grassland; foraging	PC
WS040	Kiltullagh North	15/03/2024	11:32	Whooper Swan	38	improved agricultural grassland; foraging	PC
WS041	Dominick's Hill Quarry	10/04/2024	07:18	Whooper Swan	3	other artificial lakes and ponds; swimming, 2 adults, 1 juvenile	PC
WS042	Greyford	10/04/2024	09:38	Whooper Swan	7	improved agricultural grassland; foraging	PC

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Table 7 - 4 - 26 Whooper swan incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WS001	Hen Harrier Roost Survey; Kiltullagh North	16/12/2021	09:27	Whooper Swan	15	improved agricultural grassland; grazing, this is an estimate as they were in a field at the side of the road as I drove past. couldn't stop due to traffic. on way back from hhvp4.	PC
WS002	Hen Harrier Roost Survey; Kiltullagh North	11/02/2022	11:15	Whooper Swan	76	improved agricultural grassland; grazing, feeding in usual field	PC
WS003	Hen Harrier Roost Survey; Kiltullagh North	21/02/2022	09:30	Whooper Swan	50	improved agricultural grassland; grazing, in usual field, estimated number when passing in car.	PC
WS004	Vantage Point Survey; Kiltullagh North	05/01/2023	10:20	Whooper Swan	60	improved agricultural grassland; foraging, estimate from car on way to do vantage point survey.	PC
WS005	Hen Harrier Roost Survey; Kiltullagh/Greyford	06/01/2023	11:04	Whooper Swan	56	improved agricultural grassland; foraging, counted on way home from survey.	PC
WS006	Waterbird Distribution Survey; Moyode	30/01/2023	08:10	Whooper Swan	72	turloughs; roosting, picked up these birds on the creche run this morning. it's probably the Kiltullagh flock roosting on Moyode turlough.	PC
WS007	Waterbird Distribution Survey; Moyode	31/01/2023	08:51	Whooper Swan	43	turloughs; roosting, spotted these birds on the creche run again. five birds were leaving the turlough, heading west, so they may have found new feeding grounds away from Kiltullagh.	PC
WS008	Hen Harrier Roost Survey; Kiltullagh North	10/02/2023	10:41	Whooper Swan	87	improved agricultural grassland; foraging, counted on way home from hhvp4	PC
WS009	Hen Harrier Roost Survey; HHVP2	16/02/2023	09:06	Whooper Swan	10	bogs; travelling	PC
WS010	Hen Harrier Roost Survey; Carnakelly	14/03/2023	06:56	Whooper Swan	6	improved agricultural grassland; roosting, noted on way to hhvp5	PC
WS011	Vantage Point Survey; Curragh Beg	21/03/2023	12:06	Whooper Swan	14	improved agricultural grassland; foraging, spotted on way to vp1	PC
WS012	Vantage Point Survey; Curragh Beg	23/03/2023	11:57	Whooper Swan	35	improved agricultural grassland; foraging, spotted on way to survey	PC
WS013	Vantage Point Survey; Gannow	15/11/2023	08:17	Whooper Swan	7	conifer plantation and watercourses; travelling	PC
WS014	Vantage Point Survey; Curragh Beg	12/12/2023	09:30	Whooper Swan	6	improved agricultural grassland; travelling, flew over car on way to vp	PC
WS015	Winter Walkover Survey; Killarive	25/11/2024	08:05	Whooper Swan	12	turloughs and wet grassland; foraging, not sure if this is a genuine turlough or just flooded grassland.	PC



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 - Flightline
 - ◆ Observation



Drawing Title Whooper swan Observations Vantage Point Surveys	
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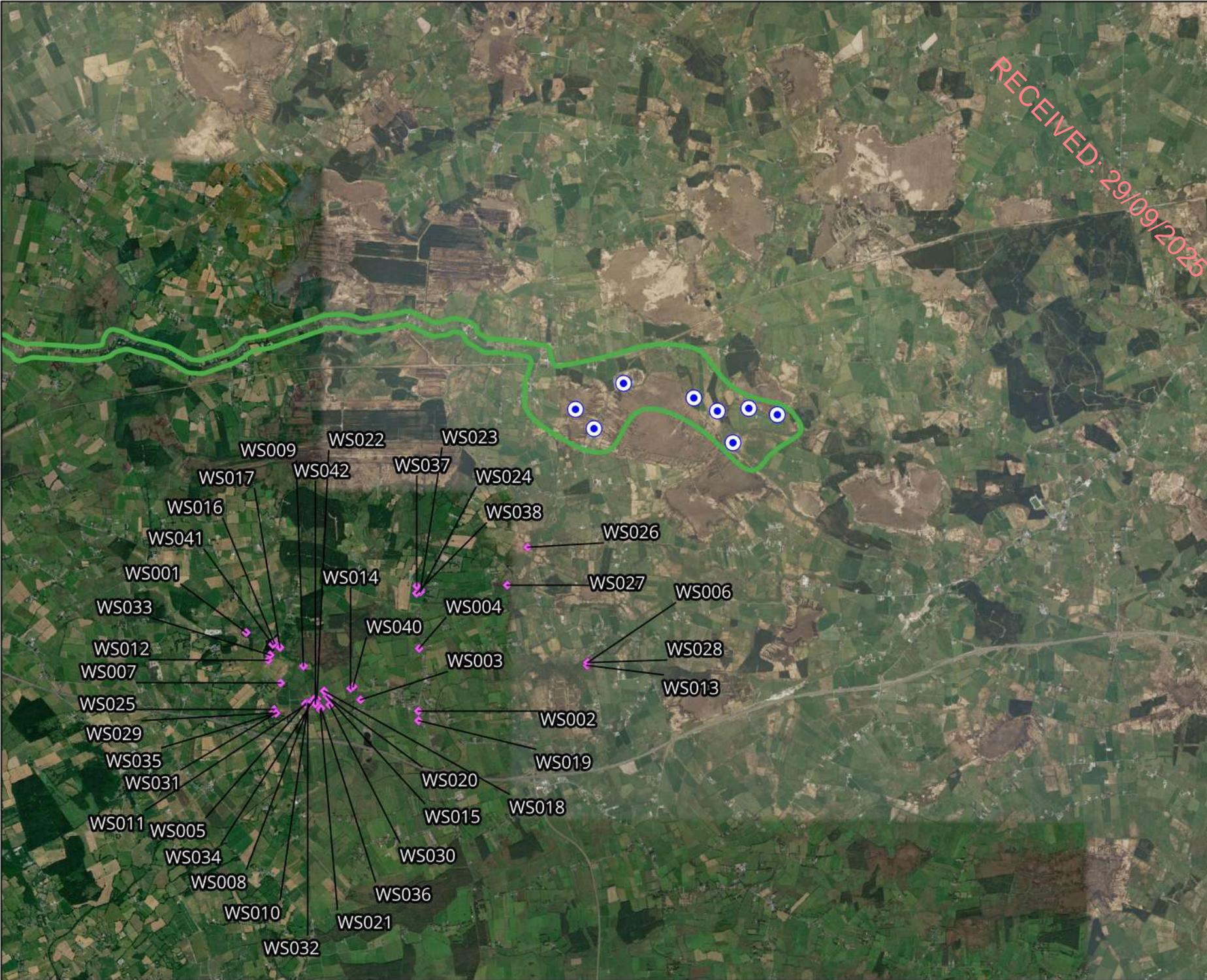


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**Whooper Swan Observations
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Project Title
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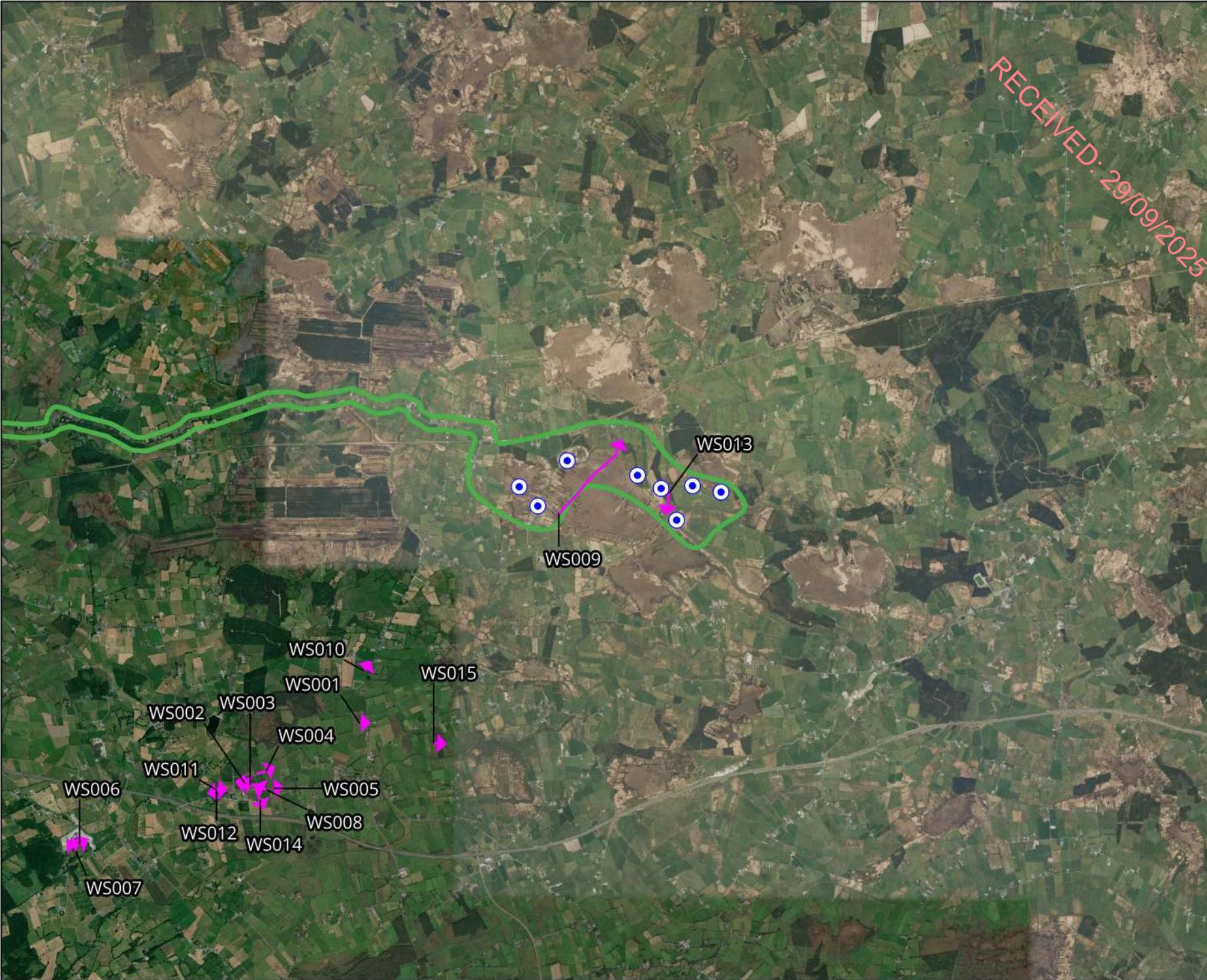
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8.

CURLEW

Table 7 - 4 - 27 Curlew vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
CU001	VP2	03/06/2022	09:23	Curlew	2	-	-	-	-	-	bogs; calling, two heard calling but didn't see them	PC
CU002	VP2	03/06/2022	09:55	Curlew	2	37	15	0	22	0	bogs; travelling, spotted pair standing on bog but then they flew off behind vantage point	PC
CU003	VP1	08/06/2022	09:04	Curlew	1	-	-	-	-	-	bogs; calling, call carried to me by wind, so location is best guess based on previous curlew sightings from vp2	PC
CU004	VP2	01/07/2022	07:42	Curlew	1	28	0	28	0	0	improved agricultural grassland, bogs and wet grassland; travelling	PC
CU005	VP2	01/07/2022	07:43	Curlew	2	-	-	-	-	-	improved agricultural grassland; calling, at least 2, possibly 3 birds heard calling after sighting of 1 in flight. location is best guess.	PC
CU006	VP2	01/07/2022	08:12	Curlew	1	-	-	-	-	-	improved agricultural grassland; calling, heard but not seen. location is best guess.	PC
CU007	VP2	20/07/2022	07:29	Curlew	1	-	-	-	-	-	bogs; calling, quite distant so location is best guess	PC

Table 7 - 4 - 28 Curlew breeding walkover survey data

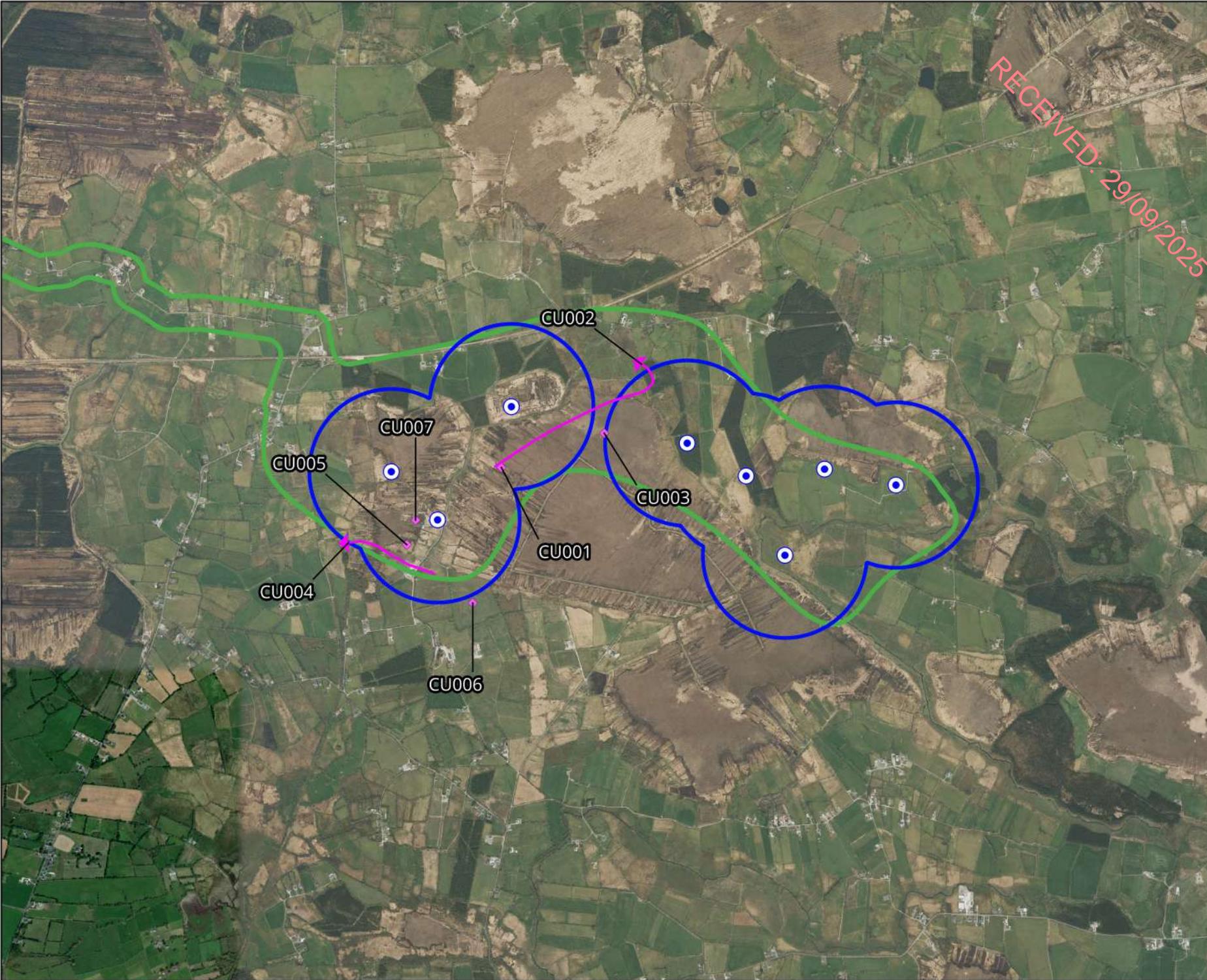
Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
CU001	15/06/2022	06:50		Curlew	1	improved agricultural grassland and bogs; travelling, heard calling then seen in flight. dropped into field. (migrating; non-breeding)	PC
CU002	06/07/2022	07:10		Curlew	1	bogs; calling, heard not seen. location is best guess. (migrating; non-breeding)	PC

Table 7 - 4 - 29 Curlew waterbird distribution and abundance survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
CU001	Dominick's Hill Quarry	03/12/2021	09:12	Curlew	12	other artificial lakes and ponds and improved agricultural grassland; travelling, circled over quarry before heading north	PC
CU002	Dominick's Hill Quarry	03/12/2021	09:18	Curlew	3	other artificial lakes and ponds and improved agricultural grassland; travelling, just about to move on when 3 more flew over	PC
CU003	Dominick's Hill Quarry	18/01/2022	09:05	Curlew	1	improved grassland; calling, calling in distance	PC
CU004	Dominick's Hill Quarry	04/02/2022	09:06	Curlew	5	other artificial lakes and ponds and improved agricultural grassland; travelling, feeding in field then flew over quarry to another field	PC
CU005	Laragh Bog	17/10/2022	09:03	Curlew	4	bogs; flushed	PC
CU006	Dominick's Hill Quarry	13/12/2022	09:19	Curlew	6	improved agricultural grassland; travelling	PC
CU007	Laragh bog	07/02/2023	09:48	Curlew	1	bogs; flushed	PC
CU008	Gortakeeran	17/11/2023	10:04	Curlew	3	improved grassland; calling	PC
CU009	Dominick's Hill Quarry	01/12/2023	10:15	Curlew	1	other artificial lakes and ponds; travelling	PC

Table 7 - 4 - 30 Curlew incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
CU001	Hen Harrier Roost Survey; HHVP2	28/10/2021	18:22	Curlew	1	wet grassland; heard calling in flight, not seen	PM
CU002	Hen Harrier Roost Survey; HHVP4	16/12/2021	07:21	Curlew	2	bogs; calling, calling in the darkness	PC
CU003	Vantage Point Survey; Killimor Bog behind VP2	03/06/2022	08:27	Curlew	1	bogs and wet grassland; singing, heard singing then briefly rose from bog and dropped back down.	PC
CU004	Breeding Raptor Survey; Clooncah	21/07/2022	10:12	Curlew	10	bogs and conifer plantation; travelling, flying high over bog.	PC
CU005	Breeding Raptor Survey; Laragh bog	26/07/2023	07:09	Curlew	2	bogs; calling, heard not seen, visibility very poor due to heavy drizzle and low cloud	PC



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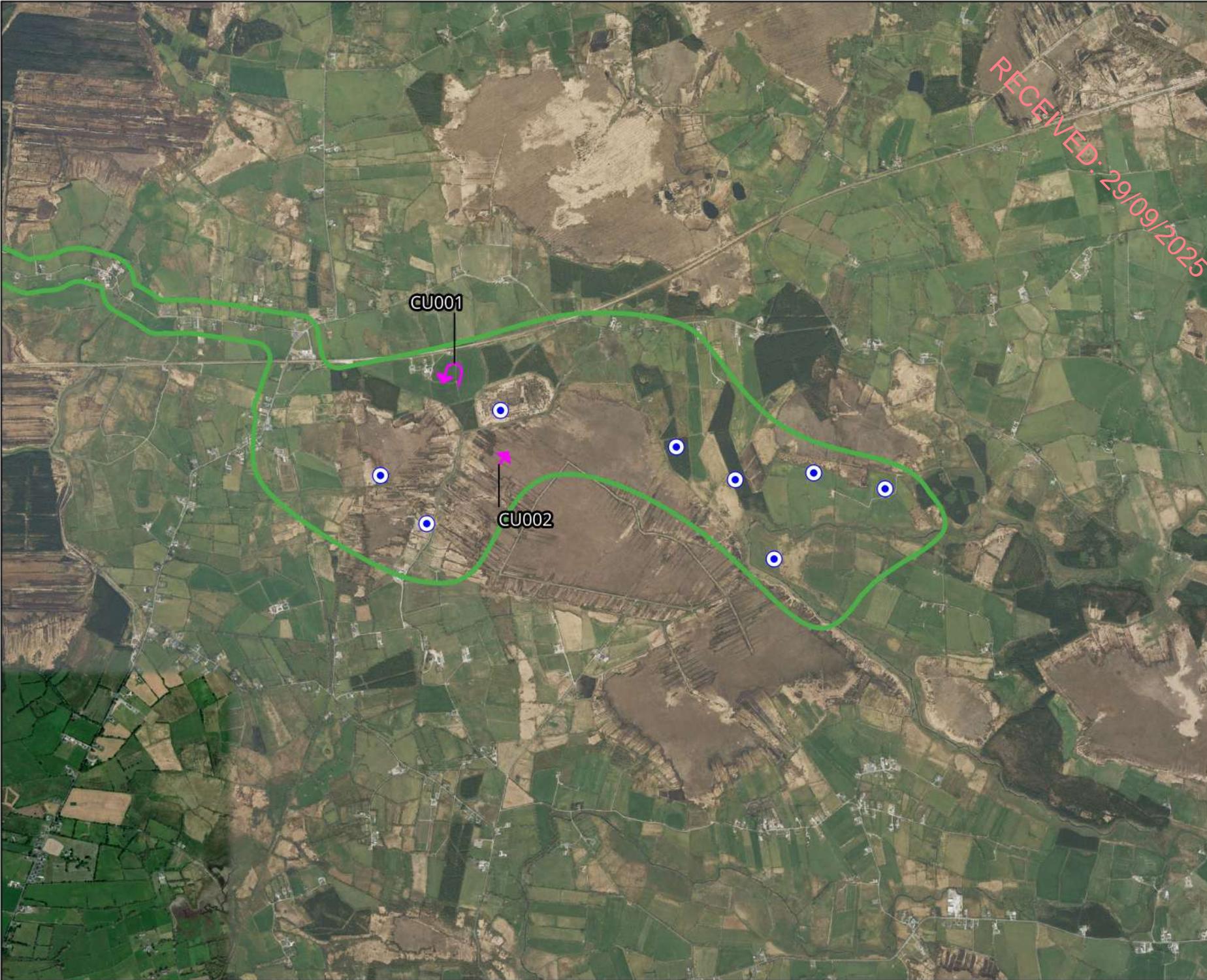


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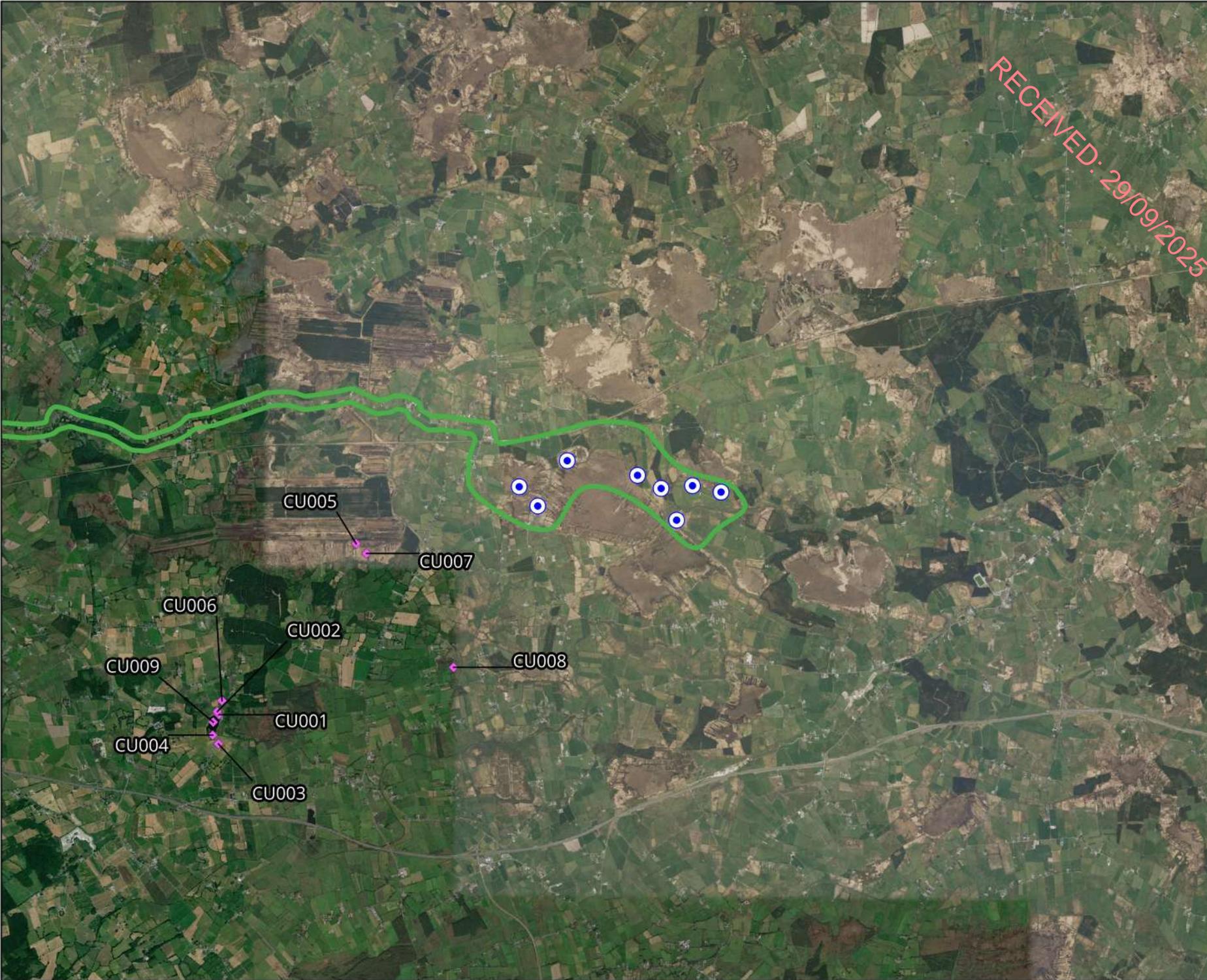


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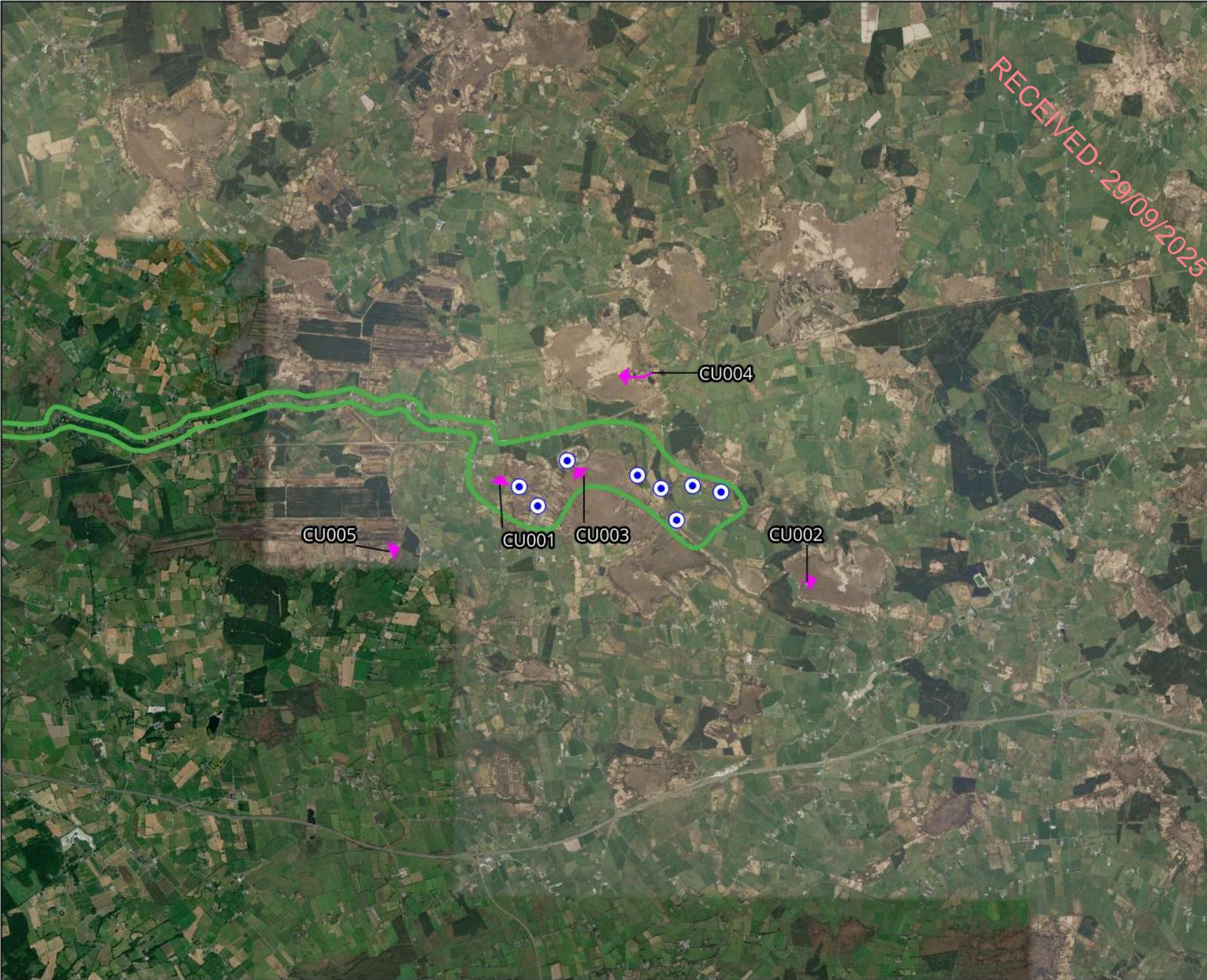
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9.

GREY WAGTAIL

Table 7- 4- 31 Grey wagtail vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
GL001	VP2	20/07/2022	07:06	Grey Wagtail	1	50	0	50	0	0	bogs; travelling	PC

Table 7- 4- 32 Grey wagtail breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
GL001	15/06/2022	08:18		Grey Wagtail	2	conifer plantation and improved agricultural grassland; flitting (suitable nesting habitat; possible breeder)	PC
GL002	21/06/2022	07:55		Grey Wagtail	2	improved agricultural grassland and watercourses; flitting (suitable nesting habitat; possible breeder)	PC
GL003	07/07/2022	08:47		Grey Wagtail	1	improved agricultural grassland; travelling (suitable nesting habitat; possible breeder)	PC
GL004	16/06/2023	08:28		Grey Wagtail	1	bogs and wet grassland; travelling, lost behind scrub (suitable nesting habitat; possible breeder)	PC

Table 7- 4- 33 Grey wagtail winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
GL001	02/12/2021	09:28		Grey Wagtail	1	watercourses and improved grassland; flushed	PC

Table 7- 4- 34 Grey wagtail waterbird distribution and abundance survey data

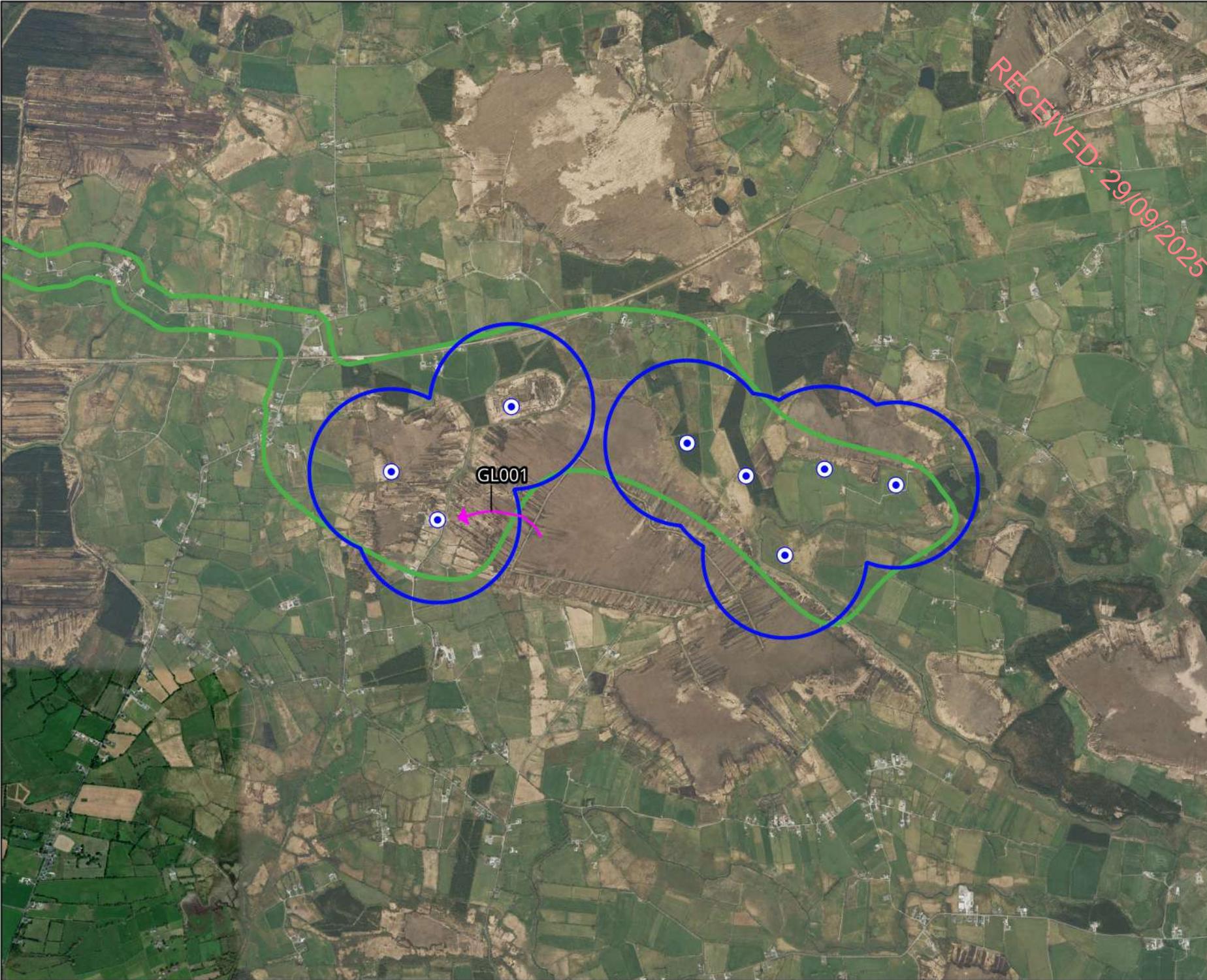
Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GL001	Kiltullagh Bridge	16/11/2021	09:47	Grey Wagtail	1	watercourses; travelling, flew upriver	PC
GL002	Dominick's Hill Quarry	21/03/2022	09:13	Grey Wagtail	2	other artificial lakes and ponds; foraging, appeared to be checking out possible nest sites on bank	PC
GL003	Dominick's Hill Quarry	01/04/2022	08:53	Grey Wagtail	1	other artificial lakes and ponds; travelling	PC
GL004	Raford Bridge	01/04/2022	10:27	Grey Wagtail	1	watercourses; foraging	PC
GL005	Clogheravaun River	21/04/2022	08:11	Grey Wagtail	1	watercourses; foraging	PC
GL006	Raford River	12/05/2022	08:55	Grey Wagtail	1	watercourses; foraging	PC
GL007	Dominick's Hill Quarry	12/08/2022	07:33	Grey Wagtail	1	other artificial lakes and ponds; flitting	PC
GL008	Kiltullagh Bridge	02/09/2022	08:44	Grey Wagtail	1	watercourses; travelling	PC

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Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GL009	Dominick's Hill Quarry	02/09/2022	10:05	Grey Wagtail	2	other artificial lakes and ponds; travelling	PC
GL010	Dominick's Hill Quarry	13/09/2022	08:46	Grey Wagtail	1	other artificial lakes and ponds; travelling	PC
GL011	Raford	01/12/2022	10:26	Grey Wagtail	1	watercourses; foraging	PC
GL012	Raford	16/05/2023	11:05	Grey Wagtail	2	watercourses; foraging	LB
GL013	Clogheravaun River, Raford	15/03/2024	11:14	Grey Wagtail	1	watercourses; flitting, female	PC
GL014	Clogheravaun River Raford	10/04/2024	08:56	Grey Wagtail	1	watercourses; flitting	PC
GL015	Clogheravaun River Raford	19/04/2024	08:57	Grey Wagtail	2	watercourses; foraging	PC
GL016	Dominick's Hill Quarry	02/05/2024	10:06	Grey Wagtail	1	other artificial lakes and ponds; travelling	PC
GL017	Killimor River	02/05/2024	11:10	Grey Wagtail	1	watercourses and bogs; travelling, calling	PC
GL018	Clogheravaun River Raford	02/05/2024	11:44	Grey Wagtail	2	watercourses; foraging, adult female and juvenile	PC
GL019	Killimor River	02/05/2024	12:25	Grey Wagtail	2	watercourses; foraging	PC

Table 7- 4 - 35 Grey wagtail incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GL001	Breeding Raptor Survey; BR3	18/05/2022	09:01	Grey Wagtail	1	buildings and artificial surfaces and improved agricultural grassland; foraging, observed around farm buildings	PC
GL002	Hen Harrier Roost Survey; HHVP2	18/10/2023	18:31	Grey Wagtail	1	depositing/lowland rivers; travelling	LL



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Map Legend

-  EIA Site Boundary
-  Proposed Turbine Layout
-  Flightline

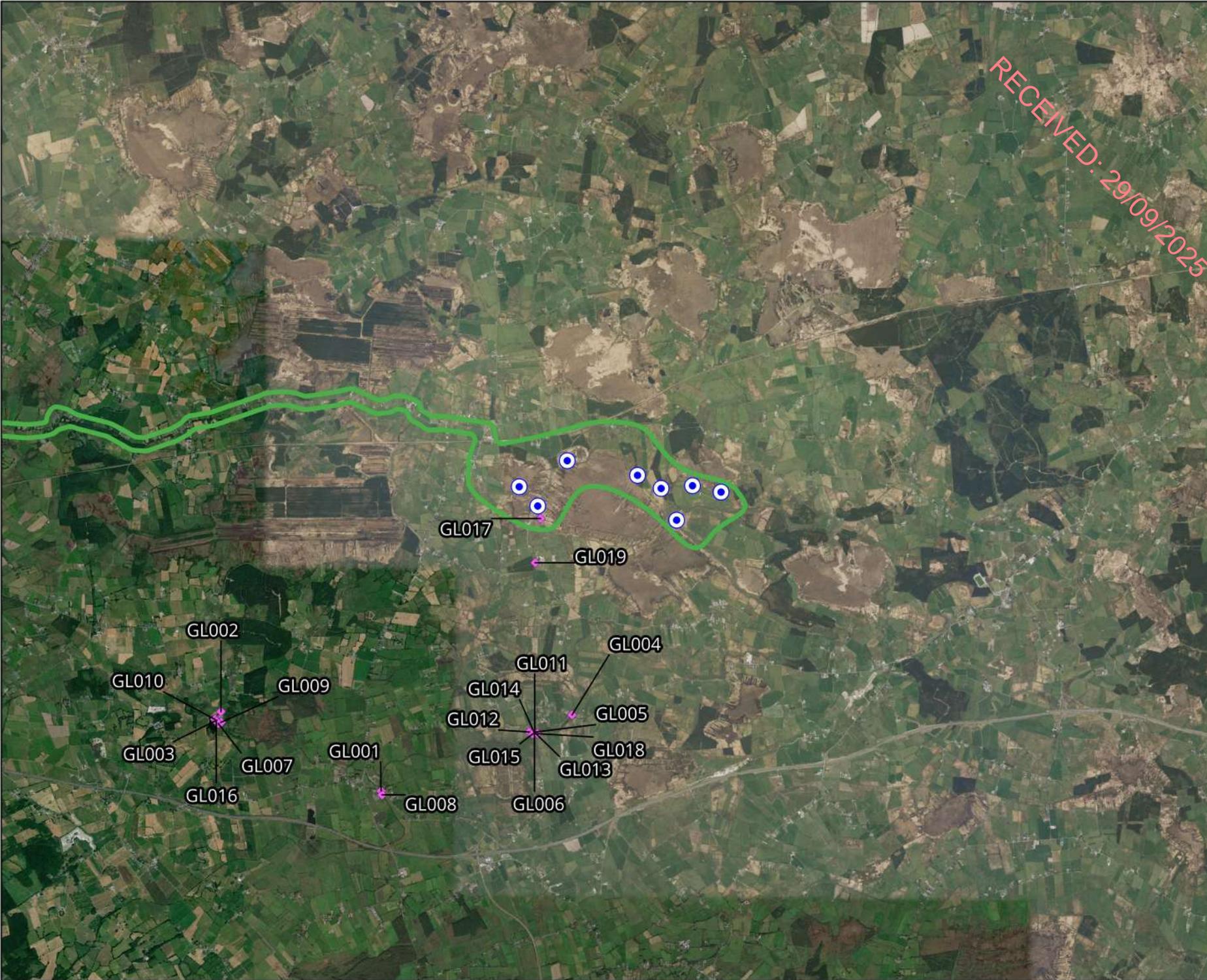


Drawing Title	
Grey Wagtail Observations Winter Walkover Survey	
Project Title	
Gannow Renewable Energy Development	
Drawn By	Checked By
CC	PM
Project No.	Drawing No.
240323	Fig 7-4-33
Scale	Date
1:30,000	11.07.2025



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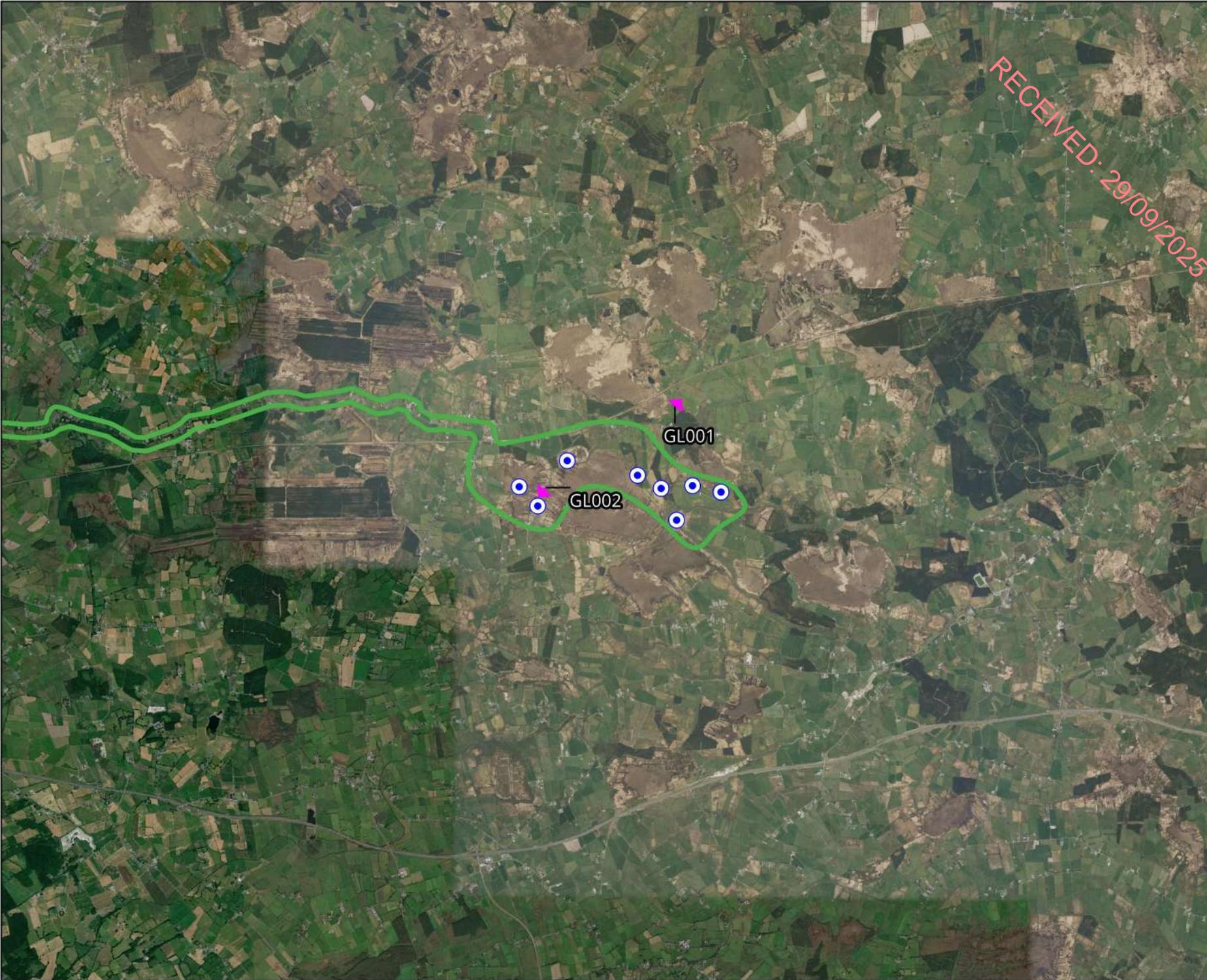
- ### Map Legend
- EIAR Site Boundary
 - Proposed Turbine Layout
 - ◆ Observation



Drawing Title	
Grey Wagtail Observations Waterbird Distribution Survey	
Project Title	
Gannow Renewable Energy Development	
Drawn By	Checked By
CC	PM
Project No.	Drawing No.
240323	Fig 7-4-34
Scale	Date
1:75,000	11.07.2025

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Map Legend

-  EIAR Site Boundary
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-  Flightline



Drawing Title	
Grey Wagtail Incidental Observations	
Project Title	
Gannow Renewable Energy Development	
Drawn By	Checked By
CC	PM
Project No.	Drawing No.
240323	Fig 7-4-30
Scale	Date
1:75,000	11.07.2025

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10.

KESTREL

Table 7 - 4 - 36 Kestrel vantage point survey data

Ref. ²	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.001	VP1	23/09/2021	14:37	Kestrel	1	87	53	34	0	0	bogs and treelines; hunting, female kestrel	TR
K.002	VP1	23/09/2021	15:03	Kestrel	1	158	0	149	9	0	bogs and highly modified/non-native woodland; hunting	TR
K.003	VP1	23/09/2021	15:15	Kestrel	1	47	0	47	0	0	cutover bog; hunting	TR
K.004	VP1	23/09/2021	15:16	Kestrel	1	117	0	117	0	0	cutover bog; hunting	TR
K.005	VP1	23/09/2021	15:26	Kestrel	1	200	0	5	195	0	cutover bog and highly modified/non-native woodland; hunting	TR
K.006	VP1	23/09/2021	15:52	Kestrel	1	35	0	35	0	0	cutover bog; hunting	TR
K.007	VP1	23/09/2021	16:03	Kestrel	1	46	0	6	40	0	cutover bog and highly modified/non-native woodland; hunting	TR
K.008	VP1	23/09/2021	16:32	Kestrel	1	2	2	0	0	0	cutover bog and treelines; travelling, landed behind tree	TR
K.009	VP1	23/09/2021	16:56	Kestrel	1	31	14	17	0	0	bogs and highly modified/non-native woodland; hunting	TR
K.010	VP1	23/09/2021	17:56	Kestrel	1	22	5	17	0	0	cutover bog; hunting	TR
K.011	VP1	23/09/2021	18:06	Kestrel	1	113	0	113	0	0	highly modified/non-native woodland and improved agricultural grassland; hunting	TR
K.012	VP1	23/09/2021	19:03	Kestrel	1	-	-	-	-	-	cutover bog; roosting, male	TR
K.013	VP1	23/09/2021	19:18	Kestrel	1	137	4	11	122	0	cutover bog, improved agricultural grassland and treelines; hunting	TR
K.014	VP2	27/09/2021	16:11	Kestrel	1	23	11	12	0	0	improved agricultural grassland, bogs and treelines; hunting	TR
K.015	VP2	27/09/2021	16:39	Kestrel	1	147	137	10	0	0	bogs; chased by corvids	TR
K.016	VP1	05/10/2021	07:40	Kestrel	1	-	-	-	-	-	bogs; hunting, briefly seen hunting over bog whilst watching golden plover	PC
K.017	VP2	15/11/2021	11:37	Kestrel	1	42	42	0	0	0	bogs and treelines; flying, spotted sitting on bog then flew off low. lost behind treeline in distance.	PC
K.018	VP1	24/11/2021	13:21	Kestrel	1	376	0	0	376	0	bogs; travelling	PC

² Please note labels are not provided on the associated map due to the number of observations being presented, this allows the distribution of activity to be more clearly visible.

Ref. ³	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.019	VP2	25/01/2022	11:42	Kestrel	1	32	0	32	0	0	improved grassland, bogs and linear woodland/scrub; hunting, hovering in distance then flew off behind tree line.	PC
K.020	VP2	25/01/2022	12:58	Kestrel	1	67	5	62	0	0	improved grassland and linear woodland/scrub; hunting, lost behind tree line	PC
K.021	VP2	16/03/2022	13:46	Kestrel	1	64	64	0	0	0	bogs; travelling, spotted hunting over bog just behind vantage point then it flew low into viewshed. male.	PC
K.022	VP2	16/03/2022	14:21	Kestrel	2	126	0	0	126	0	bogs; travelling, came from behind vantage point. lost flying towards sun.	PC
K.023	VP1	29/03/2022	14:06	Kestrel	1	224	0	0	224	0	bogs; hunting, male	PC
K.024	VP1	08/06/2022	08:16	Kestrel	1	89	0	10	79	0	conifer plantation and improved grassland; hunting, briefly attracted the attention of 3 raven	PC
K.025	VP1	18/07/2022	10:36	Kestrel	1	73	0	73	0	0	bogs and conifer plantation; hunting, lost when dropped onto bog.	PC
K.026	VP1	18/07/2022	10:50	Kestrel	1	109	0	109	0	0	conifer plantation and bogs; hunting, lost when it dropped into forestry.	PC
K.027	VP1	18/07/2022	11:21	Kestrel	1	247	0	0	247	0	conifer plantation and bogs; hunting, lost against bright clouds in heat haze	PC
K.028	VP2	20/07/2022	11:41	Kestrel	1	10	0	10	0	0	bogs and improved grassland; hunting, briefly seen hunting before dropping into cover	PC
K.029	VP1	23/08/2022	11:10	Kestrel	1	166	15	45	106	0	wet grassland, conifer plantation and bogs; hunting, male	PC
K.030	VP1	23/08/2022	11:11	Kestrel	1	16	16	0	0	0	conifer plantation; travelling; chasing, came out of forestry, chased male kestrel. then went back into forestry. young bird?	PC
K.031	VP1	22/09/2022	13:24	Kestrel	2	18	18	0	0	0	cultivated and built land; travelling, appeared to come up from bog, chased each other briefly then dropped down again. male & female/juv.	PC
K.032	VP1	22/09/2022	14:24	Kestrel	1	36	0	0	36	0	conifer plantation and improved agricultural grassland; hunting	PC
K.033	VP1	22/09/2022	15:17	Kestrel	1	310	0	0	310	0	bogs; hunting	PC
K.034	VP1	22/09/2022	15:18	Kestrel	1	20	0	0	20	0	bogs; hunting, came up whilst watching previous kestrel. didn't track it as it went in opposite direction to previous bird.	PC
K.035	VP1	22/09/2022	15:20	Kestrel	1	300	0	0	300	0	bogs; hunting, presumably one of previous birds.	PC

Ref. ³	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.036	VP1	22/09/2022	16:06	Kestrel	1	25	0	10	15	0	conifer plantation and improved agricultural grassland; travelling, appeared to be chasing a peregrine then settled in a tree before dropping into forestry	PC
K.037	VP1	13/10/2022	10:42	Kestrel	1	124	0	25	99	0	bogs and conifer plantation; hunting, flew into forestry	PC
K.038	VP1	13/10/2022	11:06	Kestrel	1	27	0	27	0	0	highly modified/non-native woodland and improved grassland; hunting, dropped below treeline, didn't see it come up again.	PC
K.039	VP1	13/10/2022	11:31	Kestrel	1	48	48	0	0	0	bogs; travelling, flew low through viewshed, lost behind hillock on bog, female/juvenile	PC
K.040	VP1	13/10/2022	12:24	Kestrel	1	210	0	0	210	0	bogs; hunting	PC
K.041	VP1	13/10/2022	12:25	Kestrel	2	16	0	16	0	0	conifer plantation; travelling, flew along forestry then perched together, probably young.	PC
K.042	VP1	27/02/2023	12:46	Kestrel	1	93	0	0	93	0	bogs and improved agricultural grassland; hunting	PC
K.043	VP2	23/03/2023	11:55	Kestrel	1	116	0	0	116	0	improved grassland and highly modified/non-native woodland; hunting	PC
K.044	VP2	23/03/2023	14:03	Kestrel	1	360	25	30	305	0	bogs; hunting, dropped onto bog twice but came back up on both occasions	PC
K.045	VP2	23/03/2023	14:31	Kestrel	1	1005	0	0	1005	0	bogs, improved agricultural grassland and highly modified/non-native woodland; hunting	PC
K.046	VP2	23/03/2023	14:32	Kestrel	1	110	0	0	110	0	bogs; hunting, came up whilst watching other kestrel, 2 in sky together. didn't see where it went, watched other bird.	PC
K.047	VP2	23/03/2023	14:42	Kestrel	1	475	0	0	475	0	improved grassland and highly modified/non-native woodland; hunting, quite distant this time!	PC
K.048	VP2	21/04/2023	08:27	Kestrel	1	1920	0	0	1920	0	bogs; hunting	PC
K.049	VP2	21/04/2023	11:09	Kestrel	1	780	0	0	780	0	bogs; hunting, male	PC
K.050	VP1	11/05/2023	15:31	Kestrel	1	275	0	200	75	0	conifer plantation and improved agricultural grassland; hunting	PC
K.051	VP1	11/05/2023	19:31	Kestrel	1	370	10	0	300	60	bogs; hunting, female	PC
K.052	VP1	11/05/2023	20:56	Kestrel	1	118	0	100	18	0	bogs; hunting	PC
K.053	VP1	11/05/2023	20:57	Kestrel	1	193	0	0	193	0	bogs; hunting	PC
K.054	VP1	11/05/2023	21:03	Kestrel	1	70	0	70	0	0	bogs; hunting, male	PC

Ref. ²	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.055	VP2	15/05/2023	15:36	Kestrel	1	55	55	0	0	0	bogs; mobbed, mobbed by hooded crow	PC
K.056	VP2	15/05/2023	16:04	Kestrel	1	118	0	118	0	0	bogs; hunting	PC
K.057	VP2	15/05/2023	19:25	Kestrel	1	32	0	32	0	0	bogs; hunting	PC
K.058	VP1	24/07/2023	08:28	Kestrel	1	136	0	136	0	0	bogs and linear woodland/scrub; hunting, female, lost behind vantage point	PC
K.059	VP1	24/07/2023	08:55	Kestrel	1	26	5	0	21	0	bogs and wet grassland; hunting, dropped onto bog	PC
K.060	VP1	24/07/2023	08:56	Kestrel	1	545	15	0	530	0	bogs; hunting, presumably same bird as previous sighting	PC
K.061	VP1	24/07/2023	10:07	Kestrel	1	86	0	0	86	0	conifer plantation and improved grassland; hunting, distant, over forestry	PC
K.062	VP1	24/07/2023	11:38	Kestrel	1	155	0	0	155	0	bogs; hunting	PC
K.063	VP1	24/07/2023	12:06	Kestrel	1	153	0	0	153	0	bogs; hunting, male, appeared to be eating prey from its talons in the air when first spotted, then started hunting when it had finished eating	PC
K.064	VP2	25/07/2023	10:08	Kestrel	2	635	0	25	550	60	cutover bog; travelling, possibly juveniles, lots of interaction in the air between them, chasing each other etc.	PC
K.065	VP2	25/07/2023	11:17	Kestrel	1	10	0	10	0	0	highly modified/non-native woodland; mobbing, divebombed a buzzard then disappeared behind forestry.	PC
K.066	VP2	25/07/2023	11:38	Kestrel	2	510	60	50	400	0	cutover bog; hunting, looked like juveniles, probably same two birds as earlier sighting. kept dropping onto bog & chasing each other.	PC
K.067	VP2	25/07/2023	12:16	Kestrel	1	30	0	0	30	0	bogs; hunting	PC
K.068	VP1	04/08/2023	07:46	Kestrel	1	125	0	0	125	0	bogs; hunting	PC
K.069	VP1	04/08/2023	08:32	Kestrel	1	303	96	207	0	0	bogs and conifer plantation; hunting, mobbed by 4 raven low over bog	PC
K.070	VP1	04/08/2023	08:33	Kestrel	1	15	15	0	0	0	bogs; travelling, 2nd kestrel came up to meet it. both dropped into scrub, lost from view.	PC
K.071	VP1	04/08/2023	08:35	Kestrel	1	-	-	-	-	-	bogs; perched, came up to meet other kestrel then both birds dropped out of sight behind bush	PC
K.072	VP1	04/08/2023	09:56	Kestrel	1	240	0	140	100	0	bogs; hunting, mobbed by male sparrowhawk	PC
K.073	VP1	04/08/2023	09:58	Kestrel	1	39	0	0	39	0	bogs; hunting, female	PC

Ref. ³	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.074	VP1	04/08/2023	12:28	Kestrel	1	115	0	0	115	0	bogs and highly modified/non-native woodland; hunting	PC
K.075	VP2	23/08/2023	12:03	Kestrel	1	165	0	0	165	0	conifer plantation and improved grassland; hunting	PC
K.076	VP1	26/09/2023	09:18	Kestrel	3	390	390	0	0	0	conifer plantation and scrub/transitional woodland; chasing, max of 3 birds chasing each other around scrub and being mobbed by hooded crow	PC
K.077	VP1	26/09/2023	09:40	Kestrel	2	27	0	27	0	0	conifer plantation; chasing, chasing each other again	PC
K.078	VP1	26/09/2023	10:23	Kestrel	1	245	0	245	0	0	conifer plantation and bogs; hunting	PC
K.079	VP1	26/09/2023	10:25	Kestrel	4	1044	0	700	344	0	conifer plantation and bogs; hunting, up to 4 birds in sky at one time. impossible to differentiate and time each one individually so time is the time that at least 1 was visible	PC
K.080	VP1	26/09/2023	10:28	Kestrel	1	193	0	0	193	0	bogs; hunting, in sky at same time as other 4 kestrel so 5 birds up at the same time	PC
K.081	VP1	26/09/2023	10:29	Kestrel	1	228	0	0	228	0	bogs; hunting	PC
K.082	VP1	26/09/2023	10:31	Kestrel	1	177	0	177	0	0	bogs; hunting	PC
K.083	VP1	26/09/2023	10:45	Kestrel	2	218	10	12	196	0	conifer plantation and bogs; travelling	PC
K.084	VP1	26/09/2023	11:40	Kestrel	2	736	0	736	0	0	bogs and conifer plantation; hunting, hunting near each other, both dropped out of sight around same time	PC
K.085	VP1	26/09/2023	11:44	Kestrel	1	95	0	0	95	0	highly modified/non-native woodland and scrub/transitional woodland; hunting	PC
K.086	VP1	26/09/2023	11:56	Kestrel	1	138	0	0	138	0	highly modified/non-native woodland; hunting	PC
K.087	VP1	26/09/2023	11:57	Kestrel	1	125	0	0	125	0	highly modified/non-native woodland and improved grassland; hunting	PC
K.088	VP1	26/09/2023	11:57	Kestrel	1	89	0	0	89	0	improved grassland and highly modified/non-native woodland; hunting	PC
K.089	VP2	28/09/2023	08:06	Kestrel	1	29	4	25	0	0	improved grassland; hunting	PC
K.090	VP2	28/09/2023	08:43	Kestrel	1	290	0	0	290	0	improved grassland; hunting	PC
K.091	VP2	28/09/2023	09:23	Kestrel	1	45	0	0	45	0	improved grassland and bogs; hunting	PC
K.092	VP2	28/09/2023	09:43	Kestrel	1	40	0	0	40	0	improved grassland; hunting	PC
K.093	VP2	28/09/2023	10:35	Kestrel	1	105	35	0	70	0	bogs; travelling	PC

Ref. ³	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.094	VP2	28/09/2023	10:37	Kestrel	1	226	0	226	0	0	bogs; travelling	PC
K.095	VP2	28/09/2023	10:46	Kestrel	1	1110	0	0	1110	0	bogs and linear woodland/scrub; hunting	PC
K.096	VP2	28/09/2023	11:31	Kestrel	1	290	0	290	0	0	conifer plantation; hunting	PC
K.097	VP2	28/09/2023	11:32	Kestrel	1	196	0	196	0	0	conifer plantation; hunting	PC
K.098	VP1	10/10/2023	16:26	Kestrel	1	114	0	114	0	0	conifer plantation and improved grassland; hunting	PC
K.099	VP1	10/10/2023	16:43	Kestrel	1	149	0	0	149	0	bogs; hunting	PC
K.100	VP2	12/10/2023	12:59	Kestrel	1	82	0	0	82	0	bogs; hunting	PC
K.101	VP2	12/10/2023	14:22	Kestrel	1	7	7	0	0	0	bogs; hunting, briefly seen hovering then dropped	PC
K.102	VP2	12/10/2023	15:13	Kestrel	1	172	0	172	0	0	bogs and linear woodland/scrub; hunting	PC
K.103	VP2	12/10/2023	15:28	Kestrel	1	62	0	0	62	0	bogs; hunting	PC
K.104	VP2	12/10/2023	17:39	Kestrel	1	117	0	117	0	0	bogs; travelling	PC
K.105	VP2	12/10/2023	17:59	Kestrel	1	212	0	212	0	0	bogs; hunting	PC
K.106	VP2	15/11/2023	07:57	Kestrel	1	250	250	0	0	0	bogs; hunting	PC
K.107	VP2	15/11/2023	12:28	Kestrel	1	62	40	22	0	0	improved agricultural grassland and scrub/transitional woodland; travelling, hovering before flying off to perch	PC
K.108	VP2	15/11/2023	12:54	Kestrel	1	33	33	0	0	0	improved agricultural grassland; hunting	PC
K.109	VP2	15/11/2023	13:04	Kestrel	1	176	10	25	141	0	highly modified/non-native woodland and improved agricultural grassland; travelling	PC
K.110	VP1	22/11/2023	09:12	Kestrel	1	122	0	122	0	0	conifer plantation and bogs; hunting	PC
K.111	VP1	29/11/2023	14:40	Kestrel	1	47	0	47	0	0	conifer plantation and improved agricultural grassland; hunting	PC
K.112	VP1	29/11/2023	14:41	Kestrel	1	35	0	35	0	0	treelines and improved agricultural grassland; hunting, presumably same bird as previous sighting, perched briefly in tree before disappearing.	PC
K.113	VP1	29/11/2023	15:07	Kestrel	1	13	0	13	0	0	conifer plantation; travelling, briefly seen above forestry before it dropped below treeline	PC
K.114	VP1	29/11/2023	15:31	Kestrel	1	455	0	455	0	0	bogs; hunting	PC
K.115	VP2	12/12/2023	14:20	Kestrel	1	1110	0	1110	0	0	bogs and conifer plantation; hunting, perched briefly on tree at end of flight	PC

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Ref. #	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.116	VP2	12/12/2023	14:21	Kestrel	1	125	0	125	0	0	bogs and conifer plantation; hunting, same male flew from first perch, hunted, then perched at edge of forestry	PC
K.117	VP2	12/12/2023	14:30	Kestrel	1	156	0	156	0	0	bogs and conifer plantation; hunting, same male	PC
K.118	VP2	12/12/2023	14:33	Kestrel	1	255	0	255	0	0	bogs; hunting, female chased off male	PC
K.119	VP2	12/12/2023	14:42	Kestrel	1	270	0	270	0	0	bogs and conifer plantation; hunting, male	PC
K.120	VP2	12/12/2023	15:27	Kestrel	1	55	0	55	0	0	bogs; hunting, distant view	PC
K.121	VP2	12/12/2023	15:41	Kestrel	1	488	0	488	0	0	bogs; hunting	PC
K.122	VP1	10/01/2024	08:44	Kestrel	1	244	0	244	0	0	bogs and conifer plantation; hunting, seemed to land on wind speed mast	PC
K.123	VP2	16/01/2024	08:31	Kestrel	1	330	30	300	0	0	treelines; hunting	PC
K.124	VP2	16/01/2024	11:50	Kestrel	1	28	28	0	0	0	treelines; hunting	PC
K.125	VP2	16/01/2024	11:51	Kestrel	1	92	92	0	0	0	treelines; hunting	PC
K.126	VP2	16/01/2024	12:28	Kestrel	1	15	15	0	0	0	bogs; hunting	PC
K.127	VP1	12/02/2024	12:48	Kestrel	1	485	0	485	0	0	highly modified/non-native woodland and bogs; hunting	PC
K.128	VP1	12/02/2024	13:33	Kestrel	1	28	0	28	0	0	conifer plantation; travelling, dropped into forestry	PC
K.129	VP1	12/02/2024	14:12	Kestrel	1	159	15	144	0	0	conifer plantation and bogs; hunting	PC
K.130	VP1	12/02/2024	14:40	Kestrel	1	10	10	0	0	0	conifer plantation; travelling	PC
K.131	VP1	12/02/2024	15:53	Kestrel	1	69	0	0	69	0	improved agricultural grassland and highly modified/non-native woodland; hunting	PC
K.132	VP2	13/02/2024	13:03	Kestrel	1	510	0	510	0	0	bogs; hunting	PC
K.133	VP2	13/02/2024	13:22	Kestrel	1	120	0	120	0	0	bogs; hunting	PC
K.134	VP2	13/02/2024	13:38	Kestrel	1	420	0	120	300	0	improved agricultural grassland and highly modified/non-native woodland; travelling, being mobbed by hooded crow briefly.	PC
K.135	VP1	11/03/2024	12:00	Kestrel	1	119	0	119	0	0	bogs; hunting	PC
K.136	VP2	12/03/2024	10:04	Kestrel	1	47	47	0	0	0	bogs; travelling, female, spotted perched in small tree on bog, didn't see it fly in. perched for a couple of minutes, mobbed by meadow pipits.	PC
K.137	VP1	25/04/2024	16:21	Kestrel	1	70	10	50	10	0	bogs and conifer plantation; hunting, male	PC

Ref. ³	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.138	VP1	25/04/2024	16:22	Kestrel	1	124	15	109	0	0	bogs and conifer plantation; hunting, male	PC
K.139	VP1	25/04/2024	16:24	Kestrel	1	-	-	-	-	-	conifer plantation; perched, male, watched for 10 minutes	PC
K.140	VP1	25/04/2024	16:25	Kestrel	1	-	-	-	-	-	conifer plantation; perched, male, watched for 15 minutes	PC
K.141	VP1	25/04/2024	17:31	Kestrel	1	155	15	140	0	0	bogs and conifer plantation; hunting, male	PC
K.142	VP1	25/04/2024	17:34	Kestrel	1	-	-	-	-	-	conifer plantation; perched, male	PC
K.143	VP1	25/04/2024	18:25	Kestrel	1	27	0	27	0	0	bogs and improved agricultural grassland; hunting	PC
K.144	VP1	25/04/2024	18:26	Kestrel	1	57	0	57	0	0	bogs; hunting	PC
K.145	VP1	05/06/2024	11:28	Kestrel	1	187	0	0	187	0	bogs; hunting, lost against grey clouds	PC
K.146	VP1	05/06/2024	11:39	Kestrel	1	210	45	85	80	0	bogs and conifer plantation; hunting, male, lost against grey sky	PC
K.147	VP1	05/06/2024	11:51	Kestrel	1	197	0	0	197	0	bogs; hunting, travelling	PC
K.148	VP2	17/06/2024	11:15	Kestrel	1	255	0	0	255	0	improved agricultural grassland and conifer plantation; hunting, visibility not great, not sure where it went.	PC
K.149	VP2	03/07/2024	11:36	Kestrel	1	862	105	717	40	0	bogs and scrub/transitional woodland; hunting, male. dropped to around 7 times during the flight but didn't see him carrying prey.	PC
K.150	VP2	03/07/2024	11:49	Kestrel	1	24	0	24	0	0	bogs; travelling, male	PC
K.151	VP2	03/07/2024	12:35	Kestrel	1	187	0	187	0	0	scrub/transitional woodland and improved agricultural grassland; hunting, I think it dropped into or behind scrub	PC
K.152	VP1	26/08/2024	09:48	Kestrel	1	245	0	245	0	0	improved agricultural grassland and linear woodland/scrub; hunting, distant view	PC
K.153	VP1	26/08/2024	11:44	Kestrel	1	106	0	106	0	0	conifer plantation and improved agricultural grassland; hunting	PC
K.154	VP1	24/09/2024	09:49	Kestrel	1	170	10	160	0	0	bogs and conifer plantation; hunting	PC
K.155	VP1	24/09/2024	10:23	Kestrel	1	258	258	0	0	0	bogs and scrub; hunting	PC
K.156	VP1	24/09/2024	11:36	Kestrel	2	259	0	259	0	0	bogs and scrub; hunting, looked like a juvenile and adult female as one looked bigger	PC
K.157	VP1	24/09/2024	11:52	Kestrel	1	545	300	5	240	0	bogs and scrub; travelling	PC
K.158	VP1	24/09/2024	11:53	Kestrel	1	435	300	15	120	0	bogs and scrub; travelling, hunting	PC
K.159	VP2	25/09/2024	07:37	Kestrel	1	369	0	369	0	0	bogs and conifer plantation; hunting, travelling	PC

Ref. #	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.160	VP2	25/09/2024	09:23	Kestrel	1	490	305	185	0	0	bogs; hunting	PC
K.161	VP2	25/09/2024	10:21	Kestrel	1	43	43	0	0	0	bogs; hunting	PC
K.162	VP2	25/09/2024	10:22	Kestrel	1	233	233	0	0	0	bogs; hunting	PC
K.163	VP2	25/09/2024	11:15	Kestrel	1	215	215	0	0	0	bogs; hunting	PC
K.164	VP2	25/09/2024	11:18	Kestrel	1	281	281	0	0	0	bogs; hunting	PC
K.165	VP2	25/09/2024	11:35	Kestrel	1	155	155	0	0	0	bogs; hunting	PC
K.166	VP1	19/11/2024	10:21	Kestrel	1	132	15	117	0	0	improved agricultural grassland and linear woodland/scrub; hunting, lost behind treeline	PC
K.167	VP1	19/11/2024	10:23	Kestrel	1	143	0	143	0	0	improved agricultural grassland and linear woodland/scrub; hunting, travelling, probably same bird as previous sighting	PC
K.168	VP1	19/11/2024	11:08	Kestrel	1	766	410	356	0	0	bogs; mobbed, hunting, male, mobbed by a rook for the first 3 minutes or so, then started hunting, lost when he dropped onto bog.	PC
K.169	VP1	19/11/2024	11:45	Kestrel	1	306	306	0	0	0	wet grassland and linear woodland/scrub; hunting, male, lost when he dropped into grass.	PC
K.170	VP1	02/01/2025	08:15	Kestrel	1	271	0	271	0	0	conifer plantation and improved agricultural grassland; hunting, dropped into forestry	PC
K.171	VP1	02/01/2025	10:31	Kestrel	1	266	0	266	0	0	conifer plantation and scrub; hunting, travelling, dropped into scrub	PC
K.172	VP2	27/01/2025	09:17	Kestrel	1	-	-	-	-	-	improved agricultural grassland; hunting, hunting briefly in 0-15m band then went down	PC
K.173	VP2	27/01/2025	11:20	Kestrel	1	206	180	26	0	0	bogs; hunting, mobbed buzzard then hunting over bog	PC
K.174	VP2	27/01/2025	11:43	Kestrel	1	94	94	0	0	0	bogs; hunting	PC
K.175	VP2	27/01/2025	12:10	Kestrel	1	376	376	0	0	0	bogs; hunting	PC
K.176	VP1	06/02/2025	16:12	Kestrel	1	567	567	0	0	0	bogs; hunting, perched, female hunting over bog, then perched for about 10 minutes on low tree at edge of bog road in front of vantage point, before heading off	PC
K.177	VP1	06/02/2025	16:19	Kestrel	1	-	-	-	-	-	bogs; perched, this is approximately where the hunting female kestrel perched for 10 minutes before heading towards hhvp3.	PC
K.178	VP2	07/02/2025	15:13	Kestrel	1	63	63	0	0	0	bogs and linear woodland/scrub; travelling, lost behind treeline in front of vantage point	PC

Ref. ³	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.179	VP2	07/02/2025	16:56	Kestrel	1	267	0	0	267	0	improved agricultural grassland and conifer plantation; hunting, appeared to be over forestry but I assumed it was hunting over fields beyond forestry.	PC
K.180	VP1	06/03/2025	10:15	Kestrel	1	78	0	78	0	0	bogs and conifer plantation; hunting, lost over forestry	PC
K.181	VP2	10/03/2025	10:32	Kestrel	1	720	720	0	0	0	bogs; hunting, female	PC
K.182	VP2	10/03/2025	10:35	Kestrel	1	88	88	0	0	0	bogs; hunting, travelling, spotted whilst watching previous kestrel.	PC
K.183	VP2	10/03/2025	10:37	Kestrel	1	46	0	46	0	0	improved agricultural grassland; hunting, spotted in distance, may have been second kestrel seen earlier. first kestrel was still in viewshed.	PC
K.184	VP2	10/03/2025	10:50	Kestrel	1	91	0	91	0	0	bogs; hunting	PC
K.185	VP2	10/03/2025	12:00	Kestrel	1	463	463	0	0	0	bogs; hunting, male, spotted whilst watching the 3 buzzards	PC

Table 7 - 4 - 37 Kestrel breeding walkover survey data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
K.001	25/04/2022	10:22	Kestrel	1	conifer plantation; travelling, male circling over forestry (suitable nesting habitat; possible breeder)	PC
K.002	15/06/2022	08:17	Kestrel	1	wet grassland, bogs and highly modified/non-native woodland; hunting (suitable nesting habitat; possible breeder)	PC
K.003	15/06/2022	08:21	Kestrel	1	wet grassland, bogs and highly modified/non-native woodland; travelling, flushed from treetop by buzzard. male. (suitable nesting habitat; possible breeder)	PC
K.004	06/07/2022	08:17	Kestrel	1	bogs; hunting (suitable nesting habitat; possible breeder)	PC
K.005	14/04/2023	11:16	Kestrel	1	conifer plantation, bogs and wet grassland; hunting (suitable nesting habitat; possible breeder)	PC
K.006	14/04/2023	11:17	Kestrel	1	bogs and conifer plantation; travelling (suitable nesting habitat; possible breeder)	PC
K.007	09/05/2023	09:46	Kestrel	1	bogs; hunting (suitable nesting habitat; possible breeder)	PC
K.008	16/06/2023	09:58	Kestrel	1	conifer plantation and bogs; hunting (suitable nesting habitat; possible breeder)	PC
K.009	16/06/2023	09:59	Kestrel	1	bogs; hunting, male, came up from bog with prey (suitable nesting habitat; possible breeder)	PC
K.010	16/06/2023	11:17	Kestrel	1	improved agricultural grassland and conifer plantation; travelling (suitable nesting habitat; possible breeder)	PC
K.011	05/07/2023	10:43	Kestrel	1	improved agricultural grassland, hedgerows and conifer plantation; travelling (suitable nesting habitat; possible breeder)	PC
K.012	09/04/2024	13:50	Kestrel	1	bogs and scrub/transitional woodland; travelling (flyover; non-breeding)	PC
K.013	09/04/2024	13:50	Kestrel	1	conifer plantation; travelling, male (suitable nesting habitat; possible breeder)	PC

Table 7 - 4 - 38 Kestrel breeding raptor survey data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.001	BR1	06/04/2022	11:07	Kestrel	1	bogs and linear woodland/scrub, hunting, male, spotted just as I parked	suitable nesting habitat; possible breeder	PC
K.002	BR3	08/04/2022	11:33	Kestrel	1	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	PC
K.003	BR3	08/04/2022	12:52	Kestrel	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	PC
K.004	BR3	08/04/2022	12:54	Kestrel	1	bogs and improved agricultural grassland, hunting, male, probably same bird. dropped onto ground, didn't see it come back up.	suitable nesting habitat; possible breeder	PC
K.005	BR4	21/04/2022	12:16	Kestrel	1	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	PC

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.006	BR1	11/05/2022	08:45	Kestrel	1	bogs and linear woodland/scrub, hunting, lost behind treeline	suitable nesting habitat; possible breeder	PC
K.007	BR1	11/05/2022	09:08	Kestrel	1	bogs and linear woodland/scrub, hunting, dropped behind treeline	suitable nesting habitat; possible breeder	PC
K.008	BR1	11/05/2022	10:33	Kestrel	1	bogs, hunting, male. lost when pair of buzzards appeared	suitable nesting habitat; possible breeder	PC
K.009	BR3	18/05/2022	08:59	Kestrel	1	bogs, hunting	suitable nesting habitat; possible breeder	PC
K.010	BR4	18/05/2022	11:13	Kestrel	1	bogs and conifer plantation, hunting, male. came up from bog with small prey item, appeared to eat it on the wing.	suitable nesting habitat; possible breeder	PC
K.011	BR1	10/06/2022	08:33	Kestrel	1	bogs, hunting	suitable nesting habitat; possible breeder	PC
K.012	BR4	22/06/2022	13:28	Kestrel	1	conifer plantation and bogs, travelling	suitable nesting habitat; possible breeder	PC
K.013	BR4	22/06/2022	15:07	Kestrel	1	wet grassland, hunting	suitable nesting habitat; possible breeder	PC
K.014	BR2	01/07/2022	10:50	Kestrel	1	bogs and bog woodland, hunting	suitable nesting habitat; possible breeder	PC
K.015	BR2	01/07/2022	10:51	Kestrel	1	bogs and bog woodland, travelling, second bird spotted briefly as first hunted in front of me.	suitable nesting habitat; possible breeder	PC
K.016	BR1	26/07/2022	09:45	Kestrel	1	bogs and conifer plantation, hunting, watched for nearly 15 mins. settled on bush, near another bush which also had a kestrel on top.	suitable nesting habitat; possible breeder	PC
K.017	BR1	26/07/2022	09:46	Kestrel	1	bogs and conifer plantation, perched, perched on top of bush near bush where first kestrel. alighted	suitable nesting habitat; possible breeder	PC
K.018	BR1	26/07/2022	10:15	Kestrel	1	bogs and conifer plantation, hunting, first bird left perch to carry on hunting. no sign of other bird.	suitable nesting habitat; possible breeder	PC
K.019	BR1	26/07/2022	11:18	Kestrel	1	bogs and conifer plantation, hunting, perched for 20 mins on bush then off hunting again. dropped onto bog behind trees and scrub.	suitable nesting habitat; possible breeder	PC
K.020	BR2	03/04/2023	12:01	Kestrel	1	conifer plantation and bogs, travelling	suitable nesting habitat; possible breeder	PC
K.021	BR2	03/04/2023	14:17	Kestrel	1	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	PC
K.022	BR3	04/04/2023	11:21	Kestrel	1	bogs, hunting	suitable nesting habitat; possible breeder	PC
K.023	BR3	04/04/2023	11:22	Kestrel	1	bogs and treelines, travelling, came up tree or bush when first kestrel flew over it. disappeared together behind treeline.	suitable nesting habitat; possible breeder	PC
K.024	BR4	04/04/2023	12:43	Kestrel	1	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	PC

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.025	BR4	04/04/2023	14:25	Kestrel	1	bogs, hunting, male	suitable nesting habitat; possible breeder	PC
K.026	BR3	30/05/2023	10:24	Kestrel	1	improved agricultural grassland, conifer plantation and bogs, travelling, male, mobbed by mistle thrush and swallow	suitable nesting habitat; possible breeder	PC
K.027	BR4	30/05/2023	11:35	Kestrel	1	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	PC
K.028	BR4	30/05/2023	12:05	Kestrel	1	bogs and conifer plantation, travelling, male, heard calling when first spotted	suitable nesting habitat; possible breeder	PC
K.029	BR4	30/05/2023	12:06	Kestrel	1	conifer plantation, travelling, second bird in air at same time as previous kestrel, probable male	suitable nesting habitat; possible breeder	PC
K.030	BR4	30/05/2023	12:16	Kestrel	1	bogs, hunting	suitable nesting habitat; possible breeder	PC
K.031	BR2	08/06/2023	08:20	Kestrel	1	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	PC
K.032	BR3	14/06/2023	08:49	Kestrel	1	improved agricultural grassland and treelines, travelling, flew out of tree (sycamore I think), then flew straight back in and disappeared into middle of tree. possible nest site, although I couldn't hear anything, watched tree for another hour, no more sightings.	suitable nesting habitat; possible breeder	PC
K.033	BR4	19/06/2023	08:16	Kestrel	1	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	PC
K.034	BR4	09/04/2024	11:38	Kestrel	1	bogs, hunting, lost when peregrine appeared	suitable nesting habitat; possible breeder	PC
K.035	BR4	09/04/2024	12:14	Kestrel	1	conifer plantation and bogs, hunting	suitable nesting habitat; possible breeder	PC
K.036	BR4	09/04/2024	12:15	Kestrel	1	conifer plantation and bogs, hunting	suitable nesting habitat; possible breeder	PC
K.037	BR1	01/05/2024	08:42	Kestrel	1	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	PC
K.038	BR4	23/05/2024	10:26	Kestrel	1	bogs, travelling, male	suitable nesting habitat; possible breeder	PC
K.039	BR4	23/05/2024	11:18	Kestrel	1	bogs, hunting	suitable nesting habitat; possible breeder	PC
K.040	BR4	20/06/2024	10:49	Kestrel	1	conifer plantation and improved agricultural grassland, hunting, male, presumably hunting over field behind forestry.	suitable nesting habitat; possible breeder	PC
K.041	BR4	04/07/2024	06:34	Kestrel	1	bogs and conifer plantation, hunting	suitable nesting habitat; possible breeder	PC
K.042	BR4	04/07/2024	06:35	Kestrel	1	bogs, conifer plantation and scrub/transitional woodland, hunting, not sure if this was same bird as previous sighting	suitable nesting habitat; possible breeder	PC

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.043	BR1	04/07/2024	11:48	Kestrel	1	bogs, hunting, female, dropped onto bog twice, came up with prey the second time and flew off carrying it.	suitable nesting habitat; possible breeder	PC
K.044	BR1	04/07/2024	12:24	Kestrel	1	bogs and conifer plantation, hunting, dropped onto bog, didn't see it come back up	suitable nesting habitat; possible breeder	PC

Table 7 - 4 - 39 Kestrel winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
K.001	04/10/2021	10:37		Kestrel	1	bogs and highly modified/non-native woodland; hunting, location is estimate as I was on western side of bog when I spotted it	PC
K.002	08/03/2022	13:15		Kestrel	1	bogs; hunting	PC
K.003	03/10/2022	11:19		Kestrel	1	bogs; hunting	PC
K.004	09/11/2022	12:59		Kestrel	1	bogs and wet grassland; hunting	PC
K.005	09/11/2022	13:00		Kestrel	1	bogs; hunting, probably same bird as first sighting	PC
K.006	20/11/2023	10:50		Kestrel	1	bogs; hunting	PC
K.007	20/11/2023	12:19		Kestrel	1	bogs; hunting	PC
K.008	20/11/2023	12:20		Kestrel	1	improved agricultural grassland; hunting	PC
K.009	15/01/2024	11:49		Kestrel	1	improved agricultural grassland and conifer plantation; travelling	PC
K.010	16/02/2024	13:25		Kestrel	1	bogs; hunting	PC
K.011	01/10/2024	08:52	T2	Kestrel	1	bogs; hunting	PC
K.012	01/10/2024	08:52	T2	Kestrel	1	bogs; hunting	PC
K.013	01/10/2024	08:53	T2	Kestrel	1	bogs; hunting	PC
K.014	01/10/2024	10:56	T1	Kestrel	1	bogs; travelling, mobbed by corvids	PC
K.015	01/10/2024	12:16	T3	Kestrel	2	bogs; hunting	PC

Table 7- 4- 40 Kestrel incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.001	Waterbird Distribution Survey; Kiltullagh	16/11/2021	09:48	Kestrel	1	improved agricultural grassland; hunting	PC
K.002	Waterbird Distribution Survey; Clooncah Bridge	16/11/2021	12:17	Kestrel	1	improved grassland and linear woodland/scrub; travelling, chased off by corvid sp.	PC
K.003	Hen Harrier Roost Survey; HHVP1	08/12/2021	15:20	Kestrel	1	bogs; hunting	PC
K.004	Hen Harrier Roost Survey; HHVP1	08/12/2021	15:50	Kestrel	1	bogs; hunting, male	PC
K.005	Waterbird Distribution Survey; Killimor bog	15/12/2021	11:29	Kestrel	1	bogs; hunting	PC
K.006	Hen Harrier Roost Survey; HHVP1	14/01/2022	10:50	Kestrel	1	bogs and linear woodland/scrub; hunting	PC
K.007	Waterbird Distribution Survey; Dominick's Hill Quarry	18/01/2022	09:13	Kestrel	1	other artificial lakes and ponds; travelling	PC
K.008	Waterbird Distribution Survey; Killimor Bog	18/01/2022	12:29	Kestrel	1	improved grassland; travelling	PC
K.009	Waterbird Distribution Survey; Killimor Bog	03/05/2022	10:09	Kestrel	1	conifer plantation; perched	PC
K.010	Waterbird Distribution Survey; Dominick's Hill Quarry	12/05/2022	08:31	Kestrel	1	improved agricultural grassland and other artificial lakes and ponds; travelling	PC
K.011	Vantage Point Survey; Cappaghmanool	03/06/2022	09:57	Kestrel	1	highly modified/non-native woodland; hunting, spotted off in the distance whilst watching cu	PC
K.012	Vantage Point Survey; Cappaghmanool	20/07/2022	11:07	Kestrel	1	conifer plantation; travelling	PC
K.013	Vantage Point Survey; Cappaghmanool	20/07/2022	11:40	Kestrel	1	conifer plantation and improved grassland; hunting	PC
K.014	Waterbird Distribution Survey; Killimor Bog	12/08/2022	09:37	Kestrel	1	bogs; hunting, female or young	PC
K.015	Waterbird Distribution Survey; Killimor Bog	12/08/2022	09:38	Kestrel	1	bogs; travelling, not sure if this was same bird as previous sighting, couldn't see any colours as I was looking towards sun.	PC
K.016	Waterbird Distribution Survey; Dominick's Hill Quarry	17/10/2022	08:36	Kestrel	1	improved agricultural grassland; travelling	PC
K.017	Hen Harrier Roost Survey; HHVP2	07/11/2022	09:07	Kestrel	1	bogs; hunting, way off in the distance	PC
K.018	Waterbird Distribution Survey; Dominick's Hill Quarry	07/11/2022	10:42	Kestrel	1	improved agricultural grassland; hunting	PC
K.019	Waterbird Distribution Survey; Killimor Bog	01/12/2022	11:20	Kestrel	1	bogs and improved agricultural grassland; travelling, male	PC
K.020	Waterbird Distribution Survey; Dominick's Hill Quarry	13/12/2022	09:20	Kestrel	1	other artificial lakes and ponds; travelling, young male	PC

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Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.021	Hen Harrier Roost Survey; Derrynamanagh	08/03/2023	08:49	Kestrel	1	improved agricultural grassland and treelines; hunting	PC
K.022	Vantage Point Survey; vp2	23/03/2023	12:31	Kestrel	1	bogs; hunting	PC
K.023	Waterbird Distribution Survey; Cappanaruhaun	19/04/2023	11:23	Kestrel	1	linear woodland/scrub; perched, male	PC
K.024	Vantage Point Survey; VP2	15/05/2023	16:53	Kestrel	1	conifer plantation and bogs; hunting, outside viewshed	PC
K.025	Vantage Point Survey; Lenamore	07/06/2023	12:20	Kestrel	1	bogs; hunting, male	PC
K.026	Waterbird Distribution Survey; Killimor Bog	01/08/2023	09:45	Kestrel	1	bogs; hunting, possible male	PC
K.027	Hen Harrier Roost Survey; Lenamore	02/10/2023	10:10	Kestrel	1	bogs and linear woodland/scrub; travelling	PC
K.028	Waterbird Distribution Survey; Lenamore	06/10/2023	09:42	Kestrel	1	bogs; travelling	PC
K.029	Vantage Point Survey; Gannow	12/10/2023	13:41	Kestrel	1	bogs; hunting	PC
K.030	Vantage Point Survey; Gannow	12/10/2023	17:41	Kestrel	1	bogs; travelling, came up off bog to join another kestrel in the air	PC
K.031	Hen Harrier Roost Survey; Cappanaruhaun	10/11/2023	07:40	Kestrel	1	improved agricultural grassland and treelines; travelling, moving between trees and telegraph poles, perching briefly on each then moving on	PC
K.032	Hen Harrier Roost Survey; Lenamore	13/11/2023	15:05	Kestrel	1	bogs; hunting	PC
K.033	Hen Harrier Roost Survey; Derrynamanagh	13/11/2023	16:08	Kestrel	1	improved agricultural grassland; travelling, mobbed buzzard	PC
K.034	Hen Harrier Roost Survey; Lenamore	13/11/2023	16:40	Kestrel	1	improved agricultural grassland; hunting	PC
K.035	Vantage Point Survey; Cappanaruhaun	15/11/2023	11:24	Kestrel	1	conifer plantation and bogs; travelling, mobbed by rooks	PC
K.036	Hen Harrier Roost Survey; Lenareagh	19/12/2023	09:30	Kestrel	1	bogs; hunting	PC
K.037	Hen Harrier Roost Survey; Lenareagh	02/01/2024	15:50	Kestrel	1	bogs; hunting, female	PC
K.038	Hen Harrier Roost Survey; Lenareagh	02/01/2024	16:05	Kestrel	1	bogs; hunting	PC
K.039	Vantage Point Survey; VP2	16/01/2024	11:12	Kestrel	1	conifer plantation; travelling, mobbed buzzard then mobbed another kestrel	PC
K.040	Vantage Point Survey; VP2	16/01/2024	11:13	Kestrel	1	conifer plantation; travelling, mobbed by another kestrel	PC
K.041	Vantage Point Survey; VP2	16/01/2024	12:27	Kestrel	1	bogs and conifer plantation; hunting	PC
K.042	Vantage Point Survey; VP2	16/01/2024	12:56	Kestrel	1	improved agricultural grassland and bogs; hunting	PC
K.043	Vantage Point Survey; VP2	16/01/2024	12:58	Kestrel	1	conifer plantation; hunting	PC

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Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.044	Hen Harrier Roost Survey; HHVP1	24/01/2024	16:35	Kestrel	1	improved agricultural grassland; hunting	PC
K.045	Hen Harrier Roost Survey; Clooncah	24/01/2024	16:45	Kestrel	1	bogs and conifer plantation; hunting	PC
K.046	Hen Harrier Roost Survey; HHVP4	26/01/2024	17:05	Kestrel	1	conifer plantation and improved agricultural grassland; hovering	SB
K.047	Hen Harrier Roost Survey; HHVP4	26/01/2024	17:07	Kestrel	1	bogs; hovering, dropped	SB
K.048	Winter Walkover Survey; Cappanarubhaun	16/02/2024	12:01	Kestrel	1	improved agricultural grassland; perched	PC
K.049	Hen Harrier Roost Survey; Lenareagh	22/02/2024	16:40	Kestrel	1	bogs; travelling	PC
K.050	Hen Harrier Roost Survey; HHVP6	26/02/2024	17:32	Kestrel	1	improved agricultural grassland and linear woodland/scrub; travelling	PC
K.051	Hen Harrier Roost Survey; HHVP6	01/03/2024	07:55	Kestrel	1	bogs; travelling	PC
K.052	Hen Harrier Roost Survey; HHVP6	01/03/2024	07:58	Kestrel	1	improved agricultural grassland; travelling, possibly same bird as previous sighting	PC
K.053	Breeding Woodcock Survey; Killimor Bog	13/05/2024	20:12	Kestrel	1	bogs and conifer plantation; travelling	PC
K.054	Breeding Woodcock Survey; Killimor Bog	13/05/2024	21:13	Kestrel	1	bogs; hunting	PC
K.055	Vantage Point Survey; Gannow	03/07/2024	12:03	Kestrel	1	bogs; hunting	PC
K.056	Waterbird Distribution Survey; Killimor Bog	09/08/2024	08:58	Kestrel	2	bogs; hunting, travelling	PC
K.057	Waterbird Distribution Survey; Killimor Bog	09/08/2024	08:58	Kestrel	1	bogs; hunting	PC
K.058	Waterbird Distribution Survey; Killimor Bog	16/09/2024	10:52	Kestrel	1	bogs; hunting, travelling, female or juvenile	PC
K.059	Vantage Point Survey; vp1	25/09/2024	11:38	Kestrel	1	bogs; hunting	PC
K.060	Vantage Point Survey; Gannow	25/09/2024	11:39	Kestrel	1	bogs; hunting	PC
K.061	Waterbird Distribution Survey; Killimor	26/09/2024	09:06	Kestrel	1	bogs; hunting	PC
K.062	Waterbird Distribution Survey; Dominick's hill quarry	26/09/2024	10:46	Kestrel	1	other artificial lakes and ponds and improved agricultural grassland; travelling	PC
K.063	Waterbird Distribution Survey; Dominick's hill quarry	26/09/2024	10:47	Kestrel	1	improved agricultural grassland; hunting	PC
K.064	Hen Harrier Roost Survey; wood lough	04/10/2024	09:09	Kestrel	1	bogs; travelling	PC

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Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.065	Hen Harrier Roost Survey; HHVP6	11/11/2024	16:20	Kestrel	1	bogs, linear woodland/scrub and improved agricultural grassland; flying	ZE
K.066	Hen Harrier Roost Survey; HHVP2	21/11/2024	15:15	Kestrel	1	bogs; hunting	ZOC
K.067	Hen Harrier Roost Survey; HHVP2	21/11/2024	16:00	Kestrel	1	bogs; hunting	ZOC
K.068	Hen Harrier Roost Survey; Lenareagh	02/01/2025	17:34	Kestrel	1	bogs and conifer plantation; hunting	PC
K.069	Hen Harrier Roost Survey; Shanvalla	06/01/2025	17:40	Kestrel	1	bogs; hunting	PC
K.070	Hen Harrier Roost Survey; Lenamore	06/01/2025	17:41	Kestrel	1	bogs; hunting	PC
K.071	Hen Harrier Roost Survey; HHVP7	15/01/2025	16:31	Kestrel	1	bogs; hunting, commuting	CG
K.072	Vantage Point Survey; Gannow	07/02/2025	15:12	Kestrel	1	bogs; hunting, female	PC
K.073	Hen Harrier Roost Survey; HHVP2	10/02/2025	16:34	Kestrel	1	cutover bog and conifer plantation; mobbed, mobbed by hooded crow	CG
K.075	Hen Harrier Roost Survey; HHVP2	10/02/2025	17:52	Kestrel	1	cutover bog; commuting/hunting	CG
K.076	Hen Harrier Roost Survey; HHVP4	13/03/2025	17:43	Kestrel	1	conifer plantation and cutover bog; hunting	CG

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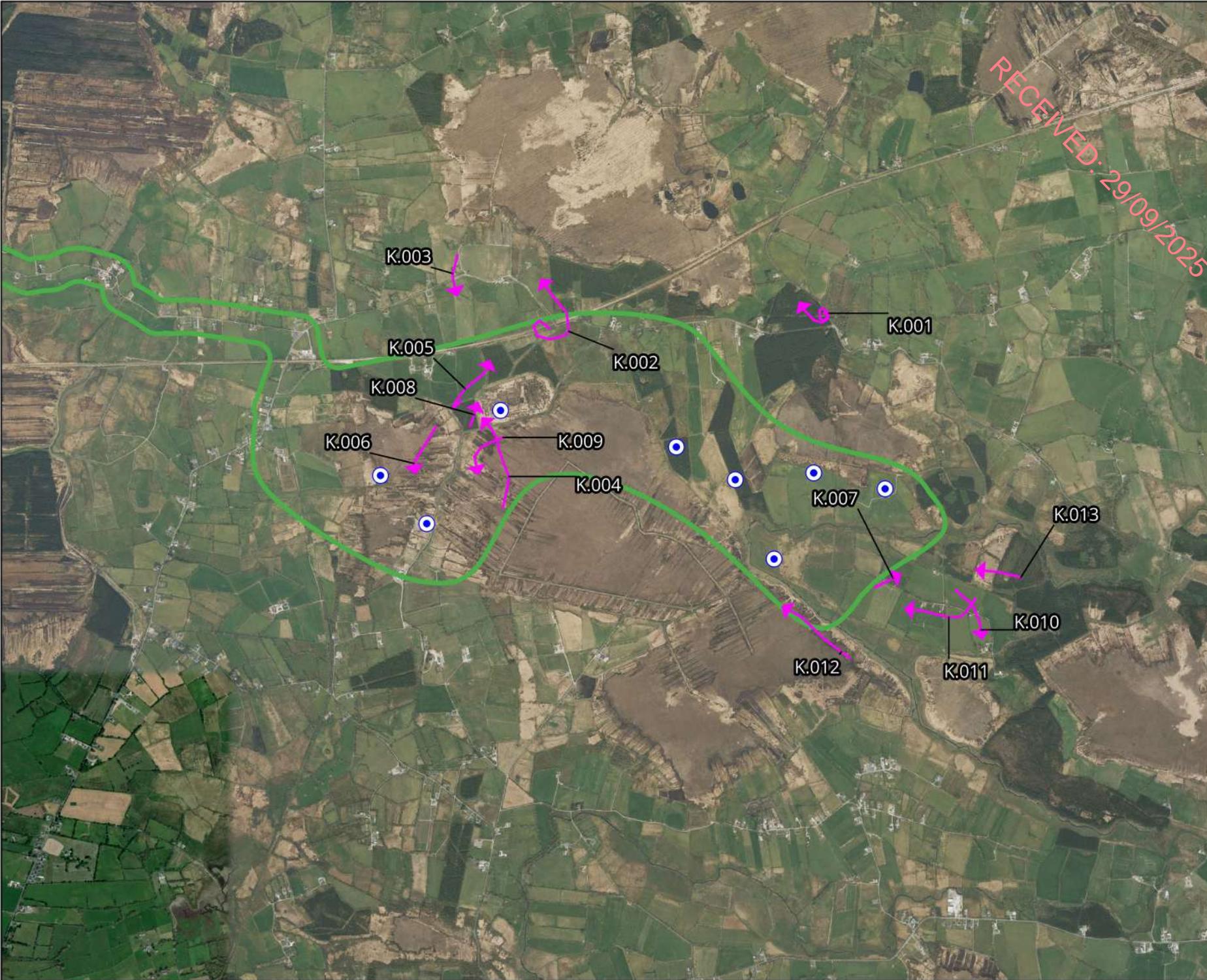
- Map Legend**
-  EIAR Site Boundary
 -  Proposed Turbine Layout
 -  500m Buffer of Proposed Turbine Layout
 -  Flightline
 -  Observation



Drawing Title	
Kestrel Observations Vantage Point Surveys	
Project Title	
Gannow Renewable Energy Development	
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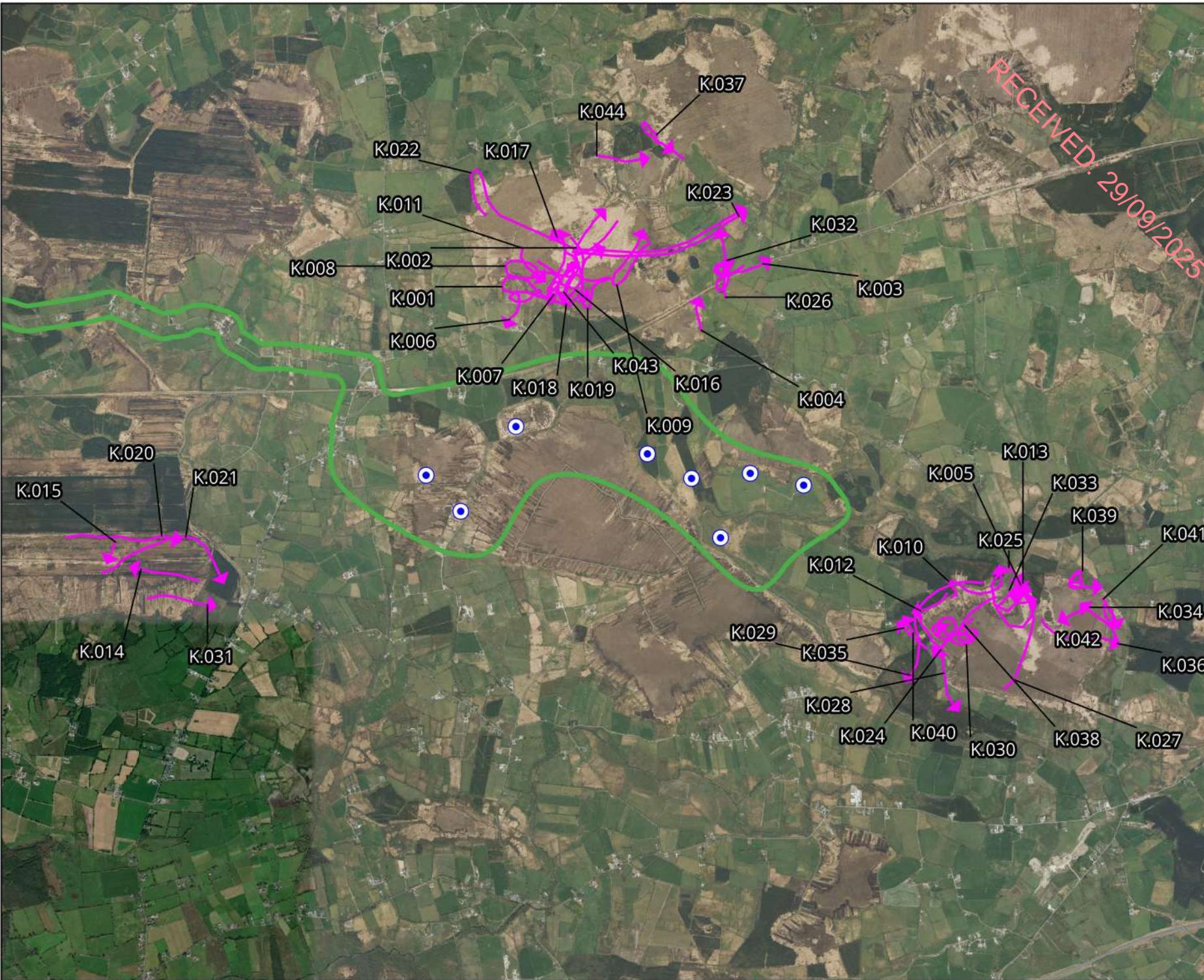


Drawing Title	
Kestrel Observations Breeding Walkover Survey	
Project Title	
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240323	Fig 7-4-37
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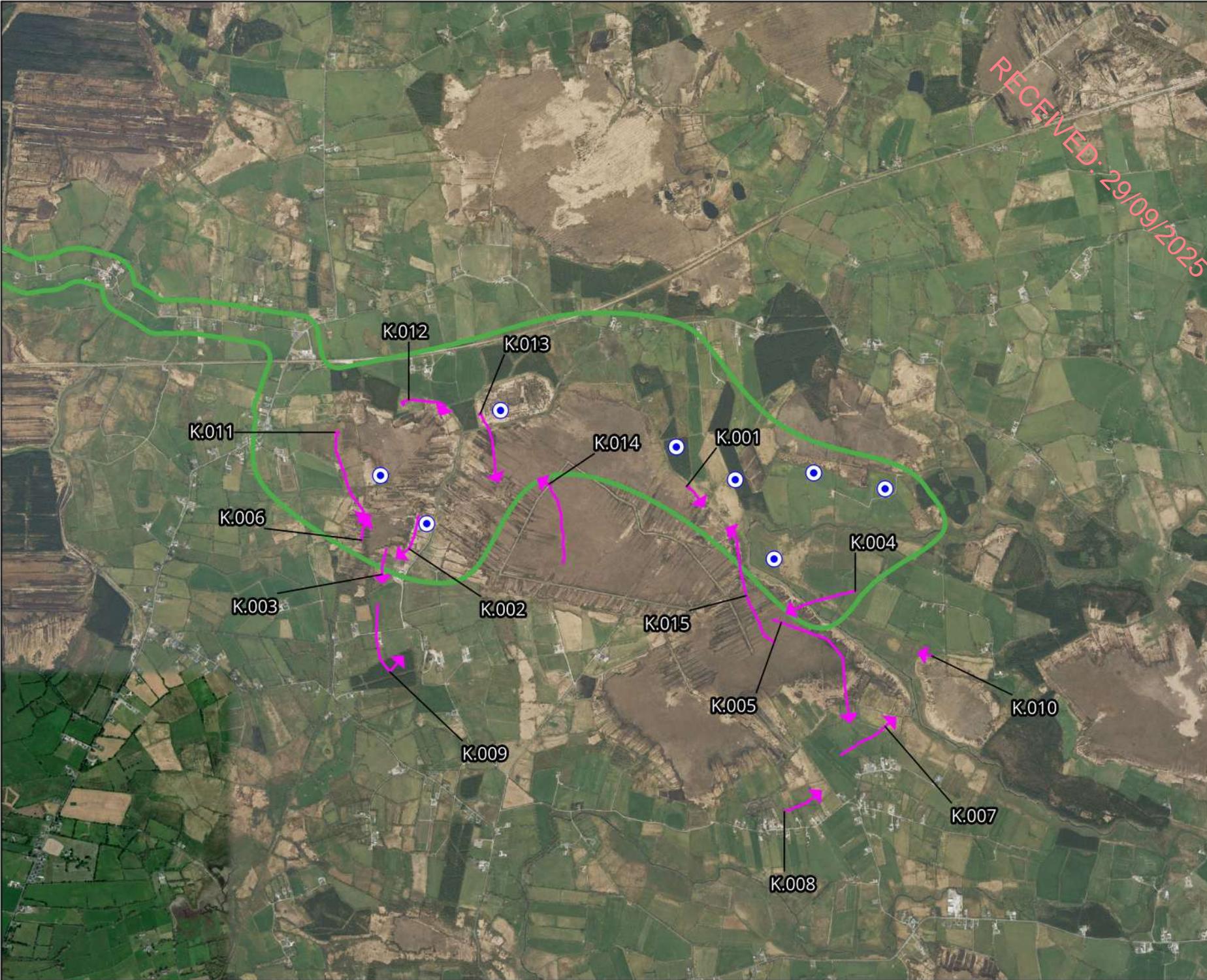
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Kestrel Observations Breeding Raptor Survey	
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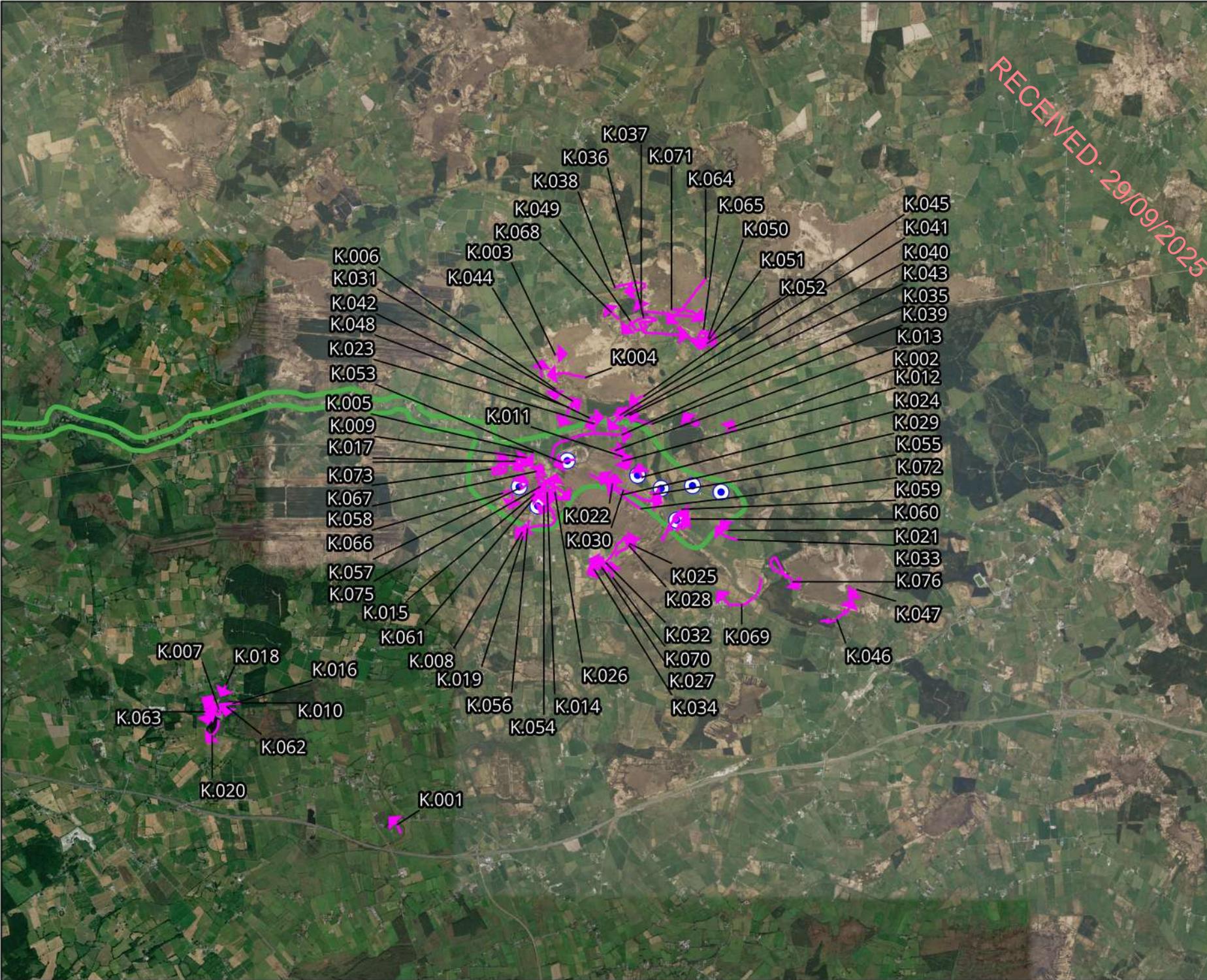
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- Flightline



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Kestrel Observations Winter Walkover Survey	
Project Title	
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11.

LAPWING

Table 7 - 4 - 41 Lapwing vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
L.001	VP1	05/10/2021	07:25	Lapwing	2	-	-	-	-	-	bogs; calling, sounded like 2 or 3 birds calling. couldn't see them	PC
L.002	VP2	15/11/2021	13:24	Lapwing	30	24	0	0	24	0	improved grassland and highly modified/non-native woodland; travelling, long way off in distance. count is estimate.	PC
L.003	VP1	24/11/2021	11:30	Lapwing	30	144	0	0	144	0	bogs and improved grassland; travelling	PC
L.004	VP2	20/01/2022	11:13	Lapwing	100	205	0	0	205	0	improved grassland and bogs; travelling, estimated count due to distance	PC
L.005	VP1	20/01/2022	11:28	Lapwing	20	170	0	0	170	0	highly modified/non-native woodland, improved grassland and bogs; travelling	PC
L.006	VP2	25/01/2022	12:55	Lapwing	25	30	0	0	30	0	improved grassland; travelling, in distance, lost against clouds	PC
L.007	VP2	10/11/2022	12:52	Lapwing	45	47	0	0	47	0	highly modified/non-native woodland and improved grassland; travelling, in distance so not sure about habitat	PC
L.008	VP2	10/11/2022	13:13	Lapwing	60	110	0	0	110	0	highly modified/non-native woodland and improved grassland; travelling, distant sighting again	PC
L.009	VP2	10/11/2022	13:35	Lapwing	65	300	0	0	300	0	bogs; travelling	PC
L.010	VP2	12/12/2022	09:40	Lapwing	1	11	11	0	0	0	bogs; travelling, lost in fog	PC
L.011	VP2	23/03/2023	14:28	Lapwing	25	14	0	0	14	0	highly modified/non-native woodland; travelling, spotted in distance when watching kestrel. count is estimate.	PC
L.012	VP1	04/08/2023	06:35	Lapwing	1	13	0	0	13	0	bogs and highly modified/non-native woodland; travelling, lost when it flew across rising sun	PC
L.013	VP1	04/08/2023	07:46	Lapwing	1	40	0	0	40	0	bogs; travelling	PC
L.014	VP1	04/08/2023	12:03	Lapwing	15	15	0	0	15	0	improved grassland; travelling, very distant, probably lapwing, count is estimate.	PC
L.015	VP1	10/10/2023	14:37	Lapwing	13	43	0	43	0	0	bogs; travelling	PC
L.016	VP2	12/12/2023	14:24	Lapwing	30	15	0	15	0	0	conifer plantation and bogs; travelling, distant flock, brief view so count is best estimate	PC

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
L.017	VP2	12/12/2023	14:39	Lapwing	59	800	0	0	800	0	conifer plantation and improved agricultural grassland; travelling, distant flock	PC
L.018	VP2	27/01/2025	11:40	Lapwing	22	30	0	30	0	0	improved agricultural grassland; travelling	PC

Table 7 - 4 - 42 Lapwing winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
L.001	03/10/2022	10:01		Lapwing	1	bogs; calling, possible lapwing heard but not seen	PC

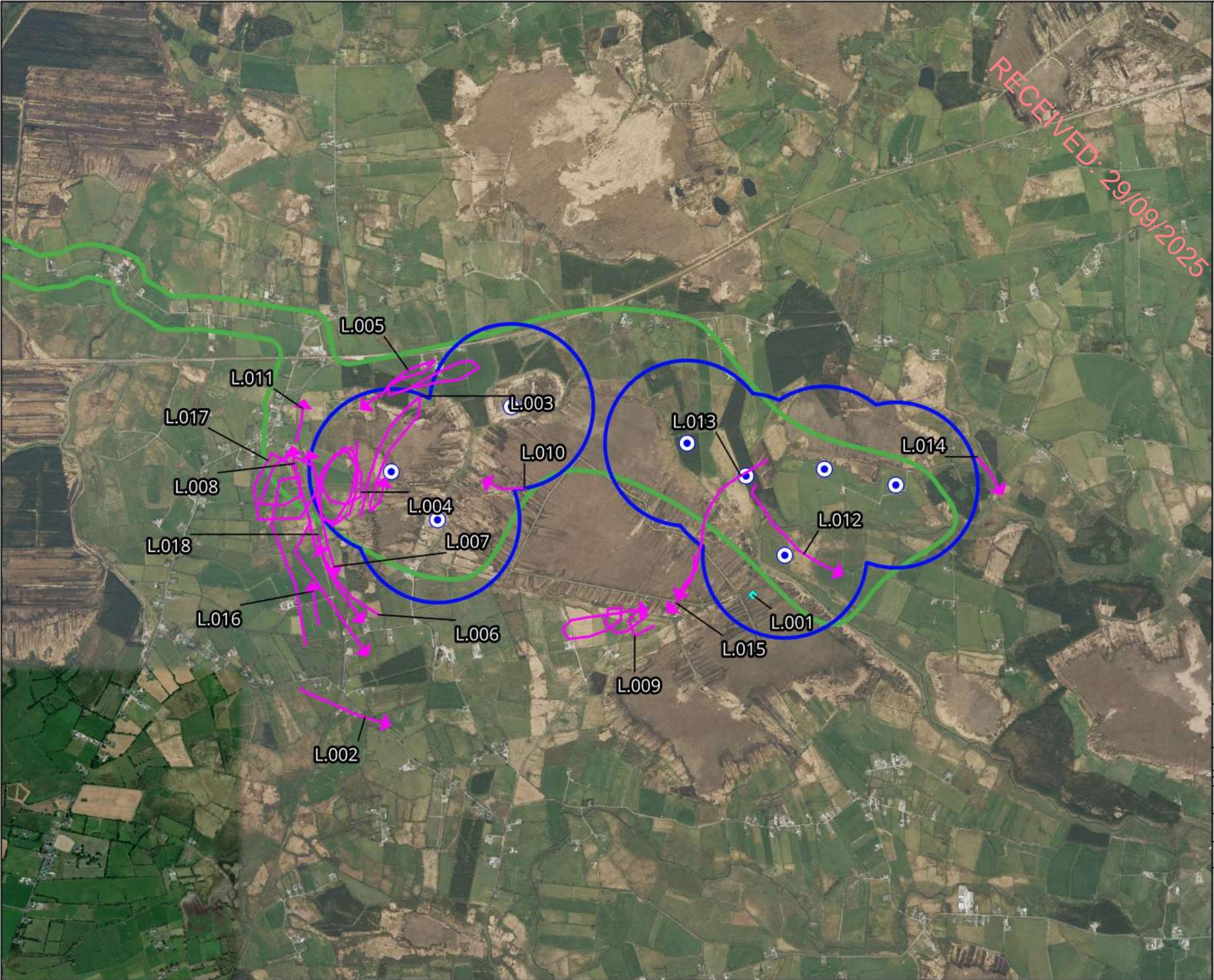
Table 7 - 4 - 43 Lapwing waterbird distribution and abundance survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.001	Dominick's Hill Quarry	03/12/2021	09:10	Lapwing	45	other artificial lakes and ponds and improved agricultural grassland; travelling, circling over quarry and adjacent fields	PC
L.002	Raford River	05/01/2022	11:13	Lapwing	80	marsh; travelling, circled for a while, eventually settling near teal	PC
L.003	Laragh	16/11/2022	09:30	Lapwing	3	improved agricultural grassland; travelling	PC
L.004	Dominick's Hill	16/11/2022	10:09	Lapwing	52	improved agricultural grassland and other artificial lakes and ponds; travelling, circling over fields around quarry before dropping in field	PC
L.005	Creevagh	13/12/2022	11:18	Lapwing	1	wet grassland and watercourses; travelling	PC
L.006	Raford River	20/10/2023	10:33	Lapwing	4	watercourses and wet grassland; foraging	PC
L.007	Raford River	20/10/2023	10:56	Lapwing	9	wet grassland; travelling	PC
L.008	Bellafa Bridge	01/11/2023	09:29	Lapwing	30	improved agricultural grassland; foraging	PC
L.009	Carnakelly	01/11/2023	10:12	Lapwing	14	improved agricultural grassland; travelling	PC
L.010	Gortakeeran Turlough	01/11/2023	10:56	Lapwing	46	turloughs; travelling	PC
L.011	Gortakeeran	17/11/2023	08:46	Lapwing	160	turloughs; foraging	PC
L.012	Gortakeeran turlough	01/12/2023	09:38	Lapwing	24	turloughs; travelling, turlough is dry	PC
L.013	Dominick's Hill Quarry	01/12/2023	10:16	Lapwing	22	improved agricultural grassland; foraging, in field with sheep	PC
L.014	Dominick's Hill Quarry	01/12/2023	10:16	Lapwing	3	other artificial lakes and ponds; travelling	PC
L.015	Dominick's Hill	11/12/2023	12:52	Lapwing	30	improved agricultural grassland; travelling	PC

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Table 7- 4- 44 Lapwing incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.001	Breeding Raptor Survey; Clooncah	14/06/2023	08:53	Lapwing	27	bogs; travelling	PC



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 -  Flightline
 -  Observation



Drawing Title Lapwing Observations Vantage Point Surveys	
Project Title Gannow Renewable Energy Development	
Drawn By CC	Checked By PM
Project No. 240323	Drawing No. Fig 7-4-41
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L.001

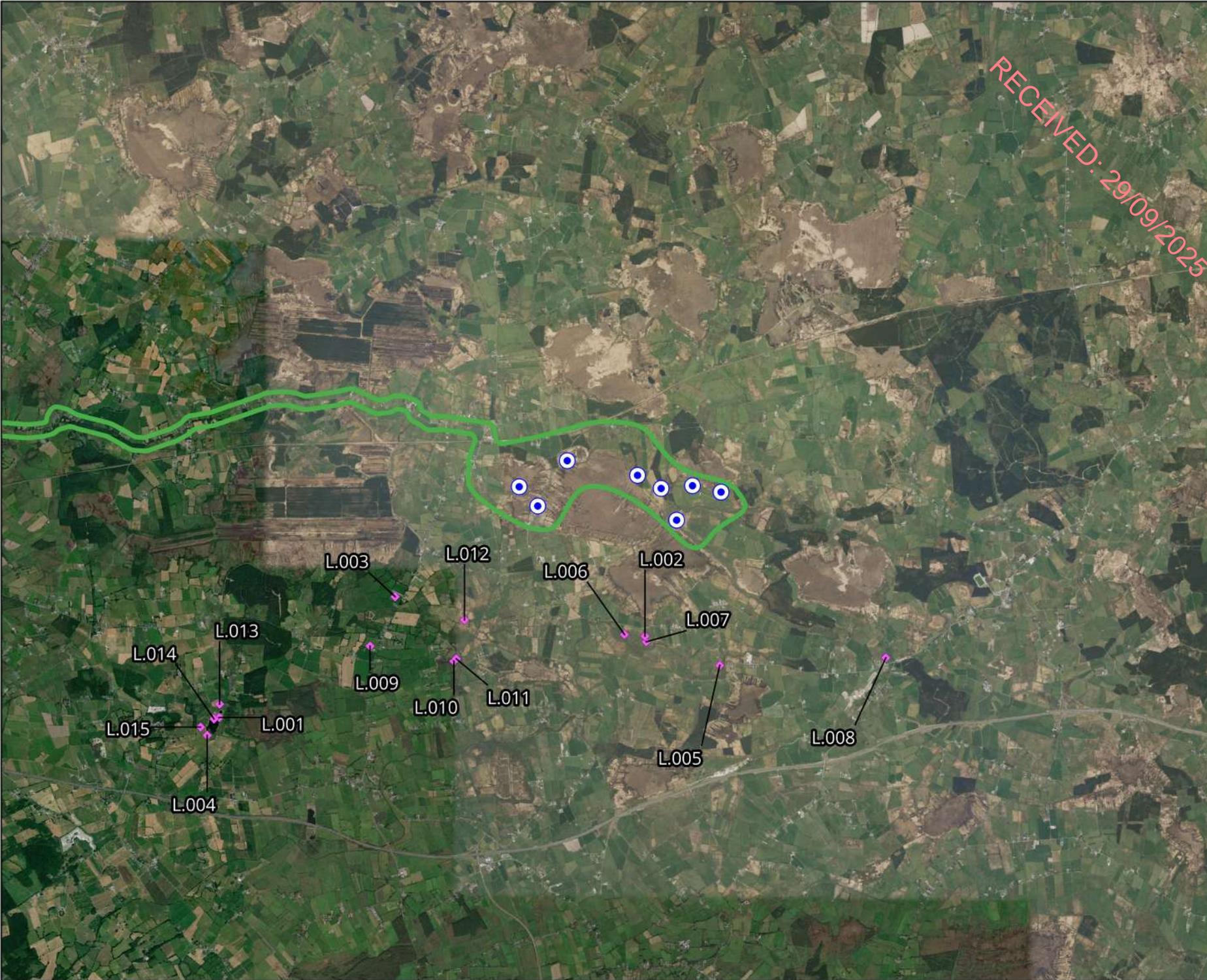


Drawing Title Lapwing Observations Winter Walkover Survey	
Project Title Gannow Renewable Energy Development	
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Project No. 240323	Drawing No. Fig 7-4-42
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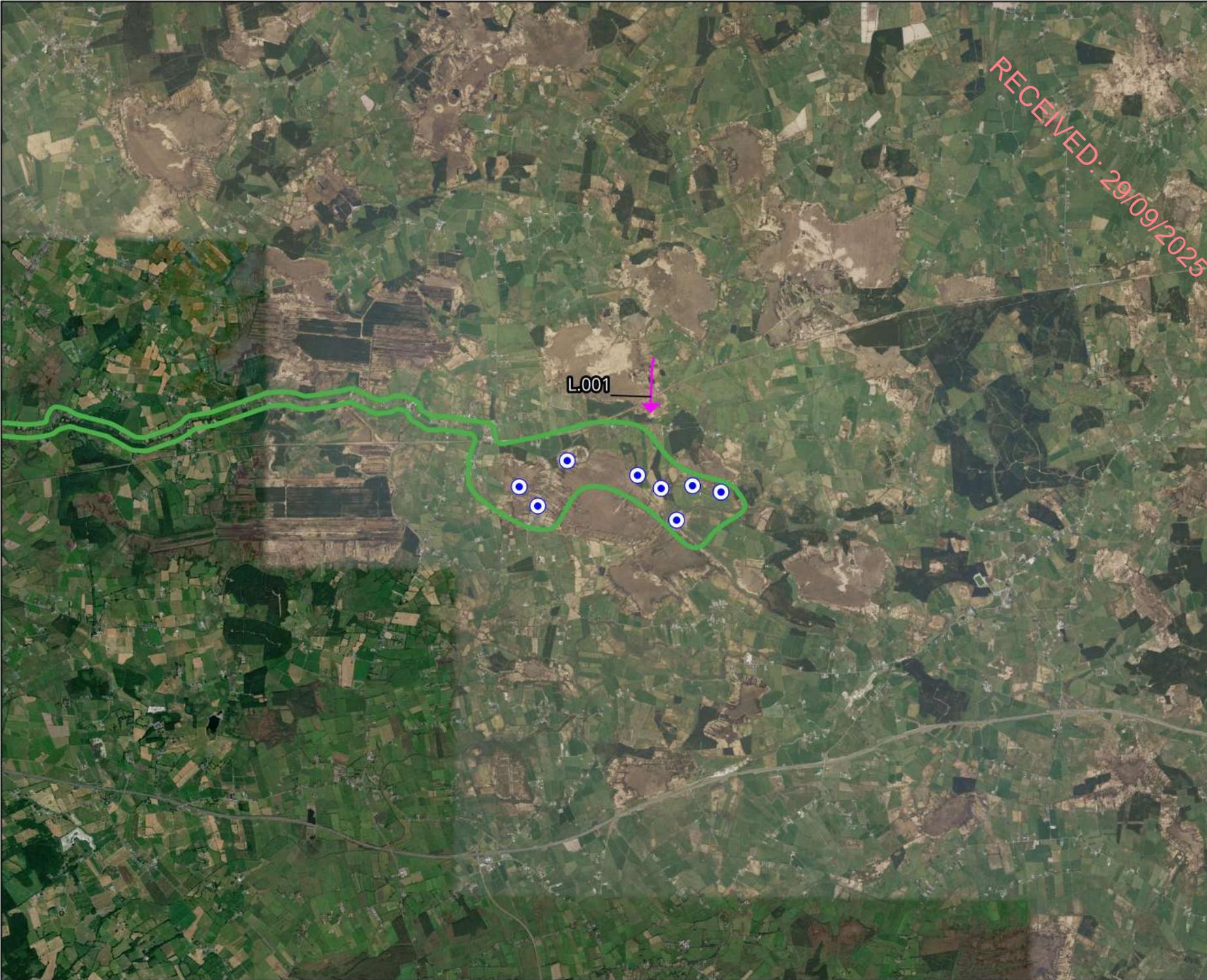
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-  Proposed Turbine Layout
-  Observation



Drawing Title	
Lapwing Observations Waterbird Distribution Survey	
Project Title	
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L.001



Drawing Title

Lapwing
Incidental Observations

Project Title

Gannow Renewable Energy Development

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12.

MEADOW PIPIT

Table 7 - 4 - 45 Meadow pipit vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
MP001	VP1	23/09/2021	14:39	Meadow Pipit	2	-	-	-	-	-	bogs; flying	TR
MP002	VP2	27/09/2021	18:41	Meadow Pipit	18	-	-	-	-	-	bogs; flying, present flying throughout survey	TR
MP003	VP1	05/10/2021	08:48	Meadow Pipit	18	-	-	-	-	-	bogs; travelling, flock of 11 flew over vantage point, small groups flitting round	PC
MP004	VP2	06/10/2021	09:11	Meadow Pipit	2	-	-	-	-	-	bogs; flitting, flitting around in front of vantage point	PC
MP005	VP2	15/11/2021	11:23	Meadow Pipit	2	-	-	-	-	-	bogs; flitting, flitting around vantage point	PC
MP006	VP1	24/11/2021	16:01	Meadow Pipit	4	-	-	-	-	-	bogs; flitting, total birds seen around vantage point	PC
MP007	VP1	10/12/2021	09:18	Meadow Pipit	2	-	-	-	-	-	bogs; travelling, flew past vantage point	PC
MP008	VP1	20/01/2022	11:15	Meadow Pipit	2	-	-	-	-	-	bogs; flitting, flitting around vantage point	PC
MP009	VP2	25/01/2022	11:44	Meadow Pipit	2	-	-	-	-	-	bogs; flitting, in front of vantage point	PC
MP010	VP2	08/02/2022	10:50	Meadow Pipit	2	-	-	-	-	-	bogs; flitting, flitting around vantage point	PC
MP011	VP1	15/02/2022	10:45	Meadow Pipit	3	-	-	-	-	-	bogs; flitting	PC
MP012	VP2	16/03/2022	13:49	Meadow Pipit	1	-	-	-	-	-	bogs; display	PC
MP013	VP2	04/04/2022	07:14	Meadow Pipit	2	-	-	-	-	-	bogs; flitting	PC
MP014	VP2	04/04/2022	08:59	Meadow Pipit	2	-	-	-	-	-	bogs; display	PC
MP015	VP1	05/04/2022	07:17	Meadow Pipit	2	-	-	-	-	-	bogs; display	PC
MP016	VP1	05/04/2022	11:33	Meadow Pipit	4	-	-	-	-	-	bogs; flitting, two pairs flitting and displaying	PC
MP017	VP1	25/05/2022	16:52	Meadow Pipit	2	-	-	-	-	-	bogs; flitting	PC
MP018	VP2	25/05/2022	19:54	Meadow Pipit	3	-	-	-	-	-	bogs; flitting	PC
MP019	VP2	25/05/2022	20:44	Meadow Pipit	2	-	-	-	-	-	bogs; display	PC
MP020	VP2	03/06/2022	07:44	Meadow Pipit	5	-	-	-	-	-	bogs; flitting	PC
MP021	VP2	03/06/2022	07:44	Meadow Pipit	2	-	-	-	-	-	bogs; flitting	PC
MP022	VP1	08/06/2022	08:18	Meadow Pipit	4	-	-	-	-	-	bogs; flitting, displaying and flitting around in front of the vantage point	PC
MP023	VP2	01/07/2022	07:19	Meadow Pipit	4	-	-	-	-	-	bogs; flitting	PC

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
MP024	VP2	01/07/2022	07:20	Meadow Pipit	3	-	-	-	-	-	bogs; flitting	PC
MP025	VP1	18/07/2022	07:22	Meadow Pipit	4	-	-	-	-	-	bogs; flitting	PC
MP026	VP1	18/07/2022	10:37	Meadow Pipit	6	-	-	-	-	-	bogs; flitting	PC
MP027	VP2	20/07/2022	07:08	Meadow Pipit	11	-	-	-	-	-	bogs; flitting, adults and young	PC
MP028	VP1	26/07/2022	08:02	Meadow Pipit	14	-	-	-	-	-	bogs; flitting, total number counted since 15 arrived	PC
MP029	VP2	18/08/2022	07:23	Meadow Pipit	3	-	-	-	-	-	cutover bog; flitting	PC
MP030	VP1	23/08/2022	10:39	Meadow Pipit	2	-	-	-	-	-	bogs; flitting	PC
MP031	VP2	21/09/2022	13:51	Meadow Pipit	6	-	-	-	-	-	bogs; flitting, three pairs flitting around vantage point	PC
MP032	VP1	22/09/2022	13:27	Meadow Pipit	5	-	-	-	-	-	bogs; flitting	PC
MP033	VP2	05/10/2022	08:07	Meadow Pipit	7	-	-	-	-	-	bogs; flitting	PC
MP034	VP1	13/10/2022	08:07	Meadow Pipit	25	-	-	-	-	-	bogs; flitting	PC
MP035	VP2	10/11/2022	10:49	Meadow Pipit	5	-	-	-	-	-	bogs; flitting	PC
MP036	VP1	23/11/2022	12:46	Meadow Pipit	2	-	-	-	-	-	bogs; flitting	PC
MP037	VP1	07/12/2022	11:13	Meadow Pipit	6	-	-	-	-	-	bogs; flitting	PC
MP038	VP2	12/12/2022	11:13	Meadow Pipit	44	-	-	-	-	-	bogs; flitting	PC
MP039	VP2	09/02/2023	09:15	Meadow Pipit	5	-	-	-	-	-	bogs; flitting	PC
MP040	VP1	27/02/2023	08:22	Meadow Pipit	2	-	-	-	-	-	bogs; displaying	PC
MP041	VP1	21/03/2023	13:36	Meadow Pipit	4	-	-	-	-	-	bogs; flitting	PC
MP042	VP2	23/03/2023	11:58	Meadow Pipit	2	-	-	-	-	-	bogs; display	PC
MP043	VP2	23/03/2023	17:07	Meadow Pipit	3	-	-	-	-	-	bogs; flitting	PC
MP044	VP1	06/04/2023	07:29	Meadow Pipit	2	-	-	-	-	-	bogs; flitting	PC
MP045	VP2	21/04/2023	09:03	Meadow Pipit	8	-	-	-	-	-	bogs; display	PC
MP046	VP1	11/05/2023	17:13	Meadow Pipit	5	-	-	-	-	-	bogs; display	PC
MP047	VP2	15/05/2023	16:13	Meadow Pipit	13	-	-	-	-	-	bogs; displaying	PC
MP048	VP1	07/06/2023	08:40	Meadow Pipit	8	-	-	-	-	-	bogs; foraging, at least 8 birds foraging on bog around vantage point	PC
MP049	VP2	20/06/2023	06:48	Meadow Pipit	4	-	-	-	-	-	bogs; flitting	PC
MP050	VP1	24/07/2023	06:49	Meadow Pipit	7	-	-	-	-	-	bogs; flitting	PC

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Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
MP051	VP2	25/07/2023	07:10	Meadow Pipit	10	-	-	-	-	-	cutover bog; foraging, feeding & dust bathing on road in front of vantage point	PC
MP052	VP2	23/08/2023	11:04	Meadow Pipit	3	-	-	-	-	-	bogs; flitting	PC
MP053	VP1	26/09/2023	09:21	Meadow Pipit	5	-	-	-	-	-	bogs; flitting	PC
MP054	VP2	28/09/2023	09:26	Meadow Pipit	17	-	-	-	-	-	bogs; flitting, total count	PC
MP055	VP1	10/10/2023	15:24	Meadow Pipit	2	-	-	-	-	-	bogs; flitting	PC
MP056	VP2	12/10/2023	13:54	Meadow Pipit	13	-	-	-	-	-	bogs; flitting	PC
MP057	VP2	15/11/2023	12:48	Meadow Pipit	13	-	-	-	-	-	bogs; flitting	PC
MP058	VP1	29/11/2023	11:31	Meadow Pipit	1	-	-	-	-	-	bogs; foraging	PC
MP059	VP2	12/12/2023	12:26	Meadow Pipit	4	-	-	-	-	-	bogs; flitting	PC
MP060	VP2	16/01/2024	10:31	Meadow Pipit	4	-	-	-	-	-	bogs; flitting	PC
MP061	VP1	12/02/2024	14:12	Meadow Pipit	2	-	-	-	-	-	bogs; flitting	PC
MP062	VP1	11/03/2024	06:31	Meadow Pipit	7	-	-	-	-	-	bogs; flitting	PC
MP063	VP2	12/03/2024	08:28	Meadow Pipit	5	-	-	-	-	-	bogs; flitting	PC
MP064	VP2	12/03/2024	10:06	Meadow Pipit	5	-	-	-	-	-	bogs; mobbing, mobbing kestrel perched in small tree	PC
MP065	VP2	08/04/2024	16:34	Meadow Pipit	5	-	-	-	-	-	bogs; flitting	PC
MP066	VP2	25/04/2024	15:02	Meadow Pipit	2	-	-	-	-	-	bogs; displaying	PC
MP067	VP1	21/05/2024	06:15	Meadow Pipit	7	-	-	-	-	-	bogs; flitting	PC
MP068	VP2	22/05/2024	06:52	Meadow Pipit	7	-	-	-	-	-	bogs; flitting	PC
MP069	VP2	22/05/2024	09:16	Meadow Pipit	6	-	-	-	-	-	bogs; flitting, this small flock came up and dropped back down together. couldn't see anything that might have flushed them.	PC
MP070	VP1	05/06/2024	07:23	Meadow Pipit	7	-	-	-	-	-	bogs; flitting	PC
MP071	VP2	17/06/2024	07:29	Meadow Pipit	7	-	-	-	-	-	bogs; flitting	PC
MP072	VP1	02/07/2024	06:48	Meadow Pipit	9	-	-	-	-	-	bogs; flitting	PC
MP073	VP2	03/07/2024	07:47	Meadow Pipit	7	-	-	-	-	-	bogs; flitting	PC
MP074	VP2	19/08/2024	07:58	Meadow Pipit	2	-	-	-	-	-	bogs; flitting	PC
MP075	VP1	26/08/2024	08:01	Meadow Pipit	9	-	-	-	-	-	bogs; flitting, foraging, small flock flitting around vantage point	PC
MP076	VP1	24/09/2024	08:07	Meadow Pipit	17	-	-	-	-	-	bogs; flitting	PC

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Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
MP077	VP2	25/09/2024	10:37	Meadow Pipit	18	-	-	-	-	-	bogs; travelling	PC
MP078	VP1	02/10/2024	16:21	Meadow Pipit	2	-	-	-	-	-	bogs; flitting	PC
MP079	VP1	02/10/2024	18:16	Meadow Pipit	5	-	-	-	-	-	bogs; flitting	PC
MP080	VP1	02/10/2024	18:30	Meadow Pipit	29	95	95	0	0	0	bogs; travelling, dropped onto bog, possibly to roost	PC
MP081	VP1	02/10/2024	19:08	Meadow Pipit	14	-	-	-	-	-	bogs; flitting, coming onto bog to roost	PC
MP082	VP2	16/10/2024	14:18	Meadow Pipit	11	-	-	-	-	-	bogs; flitting	PC
MP083	VP2	16/10/2024	16:53	Meadow Pipit	18	-	-	-	-	-	bogs; flitting, one flock of 18 birds, came up from bog, flitted around then dropped back onto bog	PC
MP084	VP2	16/10/2024	17:44	Meadow Pipit	14	-	-	-	-	-	bogs; flitting, one flock of 14 birds, flitting around the bog	PC
MP085	VP2	16/10/2024	18:24	Meadow Pipit	21	-	-	-	-	-	bogs; flitting, one flock of 21 birds, flitting around the bog	PC
MP086	VP1	19/11/2024	10:46	Meadow Pipit	1	-	-	-	-	-	bogs; foraging, flitting	PC
MP087	VP1	13/12/2024	15:01	Meadow Pipit	2	-	-	-	-	-	bogs; flitting	PC
MP088	VP1	02/01/2025	10:35	Meadow Pipit	3	-	-	-	-	-	bogs; flitting	PC
MP089	VP2	27/01/2025	08:53	Meadow Pipit	1	-	-	-	-	-	bogs; flitting	PC
MP090	VP1	06/03/2025	08:09	Meadow Pipit	9	-	-	-	-	-	bogs; flitting	PC
MP091	VP2	10/03/2025	07:49	Meadow Pipit	9	-	-	-	-	-	bogs; flitting	PC
MP092	VP2	10/03/2025	08:58	Meadow Pipit	2	-	-	-	-	-	bogs; displaying	PC

Table 7 - 4 - 46 Meadow pipit breeding walkover data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP001	25/04/2022	08:00		Meadow Pipit	6	improved agricultural grassland; travelling, three pairs flitting around (pair; probable breeding)	PC
MP002	25/04/2022	10:24		Meadow Pipit	2	improved agricultural grassland; display (pair; probable breeding)	PC
MP003	25/04/2022	10:24		Meadow Pipit	2	bogs; display, 2 birds display (courtship and display; probable breeding)	PC
MP004	26/04/2022	08:15		Meadow Pipit	3	bogs; flitting (suitable nesting habitat; possible breeder)	PC
MP005	26/04/2022	08:16		Meadow Pipit	2	bogs; flitting (suitable nesting habitat; possible breeder)	PC
MP006	26/04/2022	08:17		Meadow Pipit	4	bogs; flitting (suitable nesting habitat; possible breeder)	PC

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP007	26/04/2022	09:40		Meadow Pipit	4	bogs; display (courtship and display; probable breeding)	PC
MP008	05/05/2022	06:23		Meadow Pipit	2	improved agricultural grassland; flitting (pair; probable breeding)	PC
MP009	06/05/2022	07:31		Meadow Pipit	1	bogs; flitting (suitable nesting habitat; possible breeder)	PC
MP010	15/06/2022	08:38		Meadow Pipit	2	bogs; flitting (suitable nesting habitat; possible breeder)	PC
MP011	21/06/2022	07:22		Meadow Pipit	6	bogs; flitting, three pairs seen along this stretch of t1 (suitable nesting habitat; possible breeder)	PC
MP012	21/06/2022	07:22		Meadow Pipit	4	bogs; flitting, two pairs (suitable nesting habitat; possible breeder)	PC
MP013	21/06/2022	07:23		Meadow Pipit	4	bogs; flitting (suitable nesting habitat; possible breeder)	PC
MP014	21/06/2022	09:31		Meadow Pipit	6	improved agricultural grassland; feeding, small flock feeding and flitting around. adults with young? (suitable nesting habitat; possible breeder)	PC
MP015	06/07/2022	07:08		Meadow Pipit	11	bogs; flitting, adults and young flitting around (fledged young; confirmed breeding)	PC
MP016	06/07/2022	07:09		Meadow Pipit	6	bogs; flitting (fledged young; confirmed breeding)	PC
MP017	06/07/2022	07:09		Meadow Pipit	4	bogs; flitting (fledged young; confirmed breeding)	PC
MP018	06/07/2022	08:17		Meadow Pipit	7	improved agricultural grassland; foraging, foraging in freshly cut field with pied wagtail and starling. (fledged young; confirmed breeding)	PC
MP019	07/07/2022	07:22		Meadow Pipit	5	improved agricultural grassland; flitting (suitable nesting habitat; possible breeder)	PC
MP020	13/04/2023	08:16		Meadow Pipit	1	improved agricultural grassland; perched, preening on telegraph wire (suitable nesting habitat; possible breeder)	PC
MP021	13/04/2023	09:35		Meadow Pipit	4	bogs and improved agricultural grassland; flitting (courtship and display; probable breeding)	PC
MP022	13/04/2023	11:31		Meadow Pipit	4	improved agricultural grassland; flitting (courtship and display; probable breeding)	PC
MP023	14/04/2023	09:35		Meadow Pipit	1	bogs; flitting (suitable nesting habitat; possible breeder)	PC
MP024	14/04/2023	11:44		Meadow Pipit	5	bogs, improved agricultural grassland and watercourses; flitting, total for transect (courtship and display; probable breeding)	PC
MP025	14/04/2023	11:45		Meadow Pipit	7	bogs; flitting (courtship and display; probable breeding)	PC
MP026	09/05/2023	09:48		Meadow Pipit	5	bogs; display, 2 pairs chasing each other (courtship and display; probable breeding)	PC
MP027	09/05/2023	09:49		Meadow Pipit	2	bogs; display (courtship and display; probable breeding)	PC
MP028	09/05/2023	09:50		Meadow Pipit	3	bogs; display (courtship and display; probable breeding)	PC
MP029	09/05/2023	10:57		Meadow Pipit	4	improved agricultural grassland; display (courtship and display; probable breeding)	PC
MP030	10/05/2023	08:38		Meadow Pipit	3	improved agricultural grassland; travelling (suitable nesting habitat; possible breeder)	PC
MP031	15/06/2023	07:00		Meadow Pipit	5	bogs and improved grassland; flitting (suitable nesting habitat; possible breeder)	PC
MP032	16/06/2023	08:26		Meadow Pipit	10	bogs; flitting, total seen on that part of the site (suitable nesting habitat; possible breeder)	PC

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP033	16/06/2023	08:29		Meadow Pipit	16	bogs; flitting, total seen for this part of site (suitable nesting habitat; possible breeder)	PC
MP034	16/06/2023	10:00		Meadow Pipit	6	bogs and wet grassland; flitting, total number seen (suitable nesting habitat; possible breeder)	PC
MP035	16/06/2023	11:19		Meadow Pipit	2	improved agricultural grassland and hedgerows; flitting (suitable nesting habitat; possible breeder)	PC
MP036	04/07/2023	06:47		Meadow Pipit	5	improved agricultural grassland; flitting (suitable nesting habitat; possible breeder)	PC
MP037	04/07/2023	06:59		Meadow Pipit	4	improved agricultural grassland; flitting (suitable nesting habitat; possible breeder)	PC
MP038	04/07/2023	09:03		Meadow Pipit	7	bogs; flitting (courtship and display; probable breeding)	PC
MP039	05/07/2023	07:52		Meadow Pipit	17	bogs; flitting (fledged young; confirmed breeding)	PC
MP040	05/07/2023	07:52		Meadow Pipit	31	bogs; flitting, total number around the site, family groups seen (fledged young; confirmed breeding)	PC
MP041	05/07/2023	09:16		Meadow Pipit	7	bogs; flitting (suitable nesting habitat; possible breeder)	PC
MP042	09/04/2024	09:01		Meadow Pipit	5	bogs; flitting, displaying (courtship and display; probable breeding)	PC
MP043	09/04/2024	09:04		Meadow Pipit	8	bogs; flitting, displaying (courtship and display; probable breeding)	PC
MP044	11/04/2024	10:41		Meadow Pipit	3	improved agricultural grassland and linear woodland/scrub; flitting (suitable nesting habitat; possible breeder)	PC
MP045	14/05/2024	07:15		Meadow Pipit	5	bogs; flitting, some birds displaying, some just flitting around (courtship and display; probable breeding)	PC
MP046	14/05/2024	07:16		Meadow Pipit	3	bogs; flitting, one bird seen with bill full of food (suitable nesting habitat; possible breeder)	PC
MP047	14/05/2024	07:17		Meadow Pipit	7	bogs; flitting, a couple of displaying birds but mostly just flitting around (courtship and display; probable breeding)	PC
MP048	14/05/2024	07:18		Meadow Pipit	2	bogs; flitting, chasing each other (suitable nesting habitat; possible breeder)	PC
MP049	14/05/2024	08:31		Meadow Pipit	7	bogs and improved agricultural grassland; flitting (suitable nesting habitat; possible breeder)	PC
MP050	15/05/2024	06:48		Meadow Pipit	4	bogs and improved agricultural grassland; displaying (courtship and display; probable breeding)	PC
MP051	15/05/2024	08:40		Meadow Pipit	1	bogs; displaying (courtship and display; probable breeding)	PC
MP052	15/05/2024	08:41		Meadow Pipit	2	wet grassland and improved agricultural grassland; displaying (courtship and display; probable breeding)	PC
MP053	06/06/2024	07:49		Meadow Pipit	3	bogs; flitting (suitable nesting habitat; possible breeder)	PC
MP054	06/06/2024	07:49		Meadow Pipit	4	bogs; flitting (suitable nesting habitat; possible breeder)	PC
MP055	06/06/2024	07:50		Meadow Pipit	11	bogs; flitting (suitable nesting habitat; possible breeder)	PC
MP056	06/06/2024	07:50		Meadow Pipit	9	bogs; flitting (suitable nesting habitat; possible breeder)	PC

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP057	06/06/2024	08:55		Meadow Pipit	5	bogs and improved agricultural grassland; flitting (suitable nesting habitat; possible breeder)	PC
MP058	07/06/2024	07:07		Meadow Pipit	1	improved agricultural grassland; perched (suitable nesting habitat; possible breeder)	PC
MP059	07/06/2024	08:13		Meadow Pipit	4	improved agricultural grassland and bogs; mobbing, four birds chased off a cuckoo (suitable nesting habitat; possible breeder)	PC
MP060	07/06/2024	11:43		Meadow Pipit	1	improved agricultural grassland; perched (suitable nesting habitat; possible breeder)	PC
MP061	07/06/2024	11:44		Meadow Pipit	2	bogs; flitting (suitable nesting habitat; possible breeder)	PC
MP062	08/07/2024	07:01	T1	Meadow Pipit	6	bogs; flitting (suitable nesting habitat; possible breeder)	PC
MP063	08/07/2024	07:02	T1	Meadow Pipit	15	bogs; flitting, total number of sightings (suitable nesting habitat; possible breeder)	PC
MP064	08/07/2024	07:04	T1	Meadow Pipit	24	bogs; flitting, foraging, family groups foraging on bog (fledged young; confirmed breeding)	PC
MP065	08/07/2024	07:06	T1	Meadow Pipit	5	bogs; flitting (suitable nesting habitat; possible breeder)	PC
MP066	08/07/2024	08:14	T2	Meadow Pipit	9	improved agricultural grassland and bogs; foraging, a couple of family groups foraging (fledged young; confirmed breeding)	PC
MP067	08/07/2024	08:16	T2	Meadow Pipit	7	bogs; flitting, foraging (suitable nesting habitat; possible breeder)	PC
MP068	09/07/2024	06:22	T4	Meadow Pipit	5	improved agricultural grassland and bogs; flitting (suitable nesting habitat; possible breeder)	PC
MP069	09/07/2024	08:35	T5	Meadow Pipit	2	wet grassland; flitting (suitable nesting habitat; possible breeder)	PC

Table 7 - 4 - 47 Meadow pipit winter walkover data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP001	04/10/2021	08:35		Meadow Pipit	3	bogs; travelling, flew over car calling	PC
MP002	04/10/2021	09:49		Meadow Pipit	10	cutover bog; travelling, in flight over bog	PC
MP003	04/10/2021	11:25		Meadow Pipit	4	bogs; travelling, in flight over bog	PC
MP004	04/10/2021	12:47		Meadow Pipit	4	improved agricultural grassland; travelling	PC
MP005	04/10/2021	12:47		Meadow Pipit	3	cutover bog; travelling, in flight over bog	PC
MP006	02/12/2021	09:11		Meadow Pipit	1	improved grassland and bogs; travelling, in flight calling	PC
MP007	09/02/2022	10:44		Meadow Pipit	3	improved agricultural grassland; flitting	PC
MP008	09/02/2022	12:17		Meadow Pipit	4	cutover bog; flitting	PC
MP009	09/02/2022	13:13		Meadow Pipit	2	bogs; flitting	PC
MP010	09/02/2022	13:14		Meadow Pipit	2	improved agricultural grassland; flitting	PC

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP011	08/03/2022	09:39		Meadow Pipit	2	improved agricultural grassland; travelling	PC
MP012	08/03/2022	11:15		Meadow Pipit	2	bogs; travelling	PC
MP013	08/03/2022	11:16		Meadow Pipit	1	bogs; travelling	PC
MP014	08/03/2022	11:16		Meadow Pipit	1	bogs; travelling	PC
MP015	08/03/2022	13:18		Meadow Pipit	2	bogs; display, one displaying, the other travelling (courtship and display; probable breeding)	PC
MP016	03/10/2022	10:00		Meadow Pipit	6	bogs; travelling	PC
MP017	03/10/2022	10:00		Meadow Pipit	2	bogs; travelling	PC
MP018	09/11/2022	08:39		Meadow Pipit	1	bogs; flushed	PC
MP019	09/11/2022	10:39		Meadow Pipit	2	bogs; flitting	PC
MP020	01/02/2023	11:07		Meadow Pipit	1	bogs; flushed	PC
MP021	08/03/2023	11:29		Meadow Pipit	2	improved agricultural grassland; flitting	PC
MP022	03/10/2023	09:03		Meadow Pipit	29	bogs; flitting, total counted on transect	PC
MP023	03/10/2023	10:22		Meadow Pipit	23	bogs; flitting, total counted on transect	PC
MP024	20/11/2023	09:25		Meadow Pipit	3	bogs; flitting	PC
MP025	15/01/2024	10:31		Meadow Pipit	2	bogs and scrub/transitional woodland; travelling	PC
MP026	15/01/2024	11:48		Meadow Pipit	3	improved agricultural grassland; calling	PC
MP027	15/01/2024	13:00		Meadow Pipit	2	improved agricultural grassland; calling	PC
MP028	16/02/2024	10:31		Meadow Pipit	3	bogs; flushed	PC
MP029	16/02/2024	10:34		Meadow Pipit	2	bogs; flushed	PC
MP030	16/02/2024	11:40		Meadow Pipit	7	bogs; flitting, total seen	PC
MP031	16/02/2024	13:26		Meadow Pipit	5	improved agricultural grassland; flitting, total seen for transect	PC
MP032	01/10/2024	08:55	T2	Meadow Pipit	19	bogs; flitting	PC
MP033	01/10/2024	10:59	T1	Meadow Pipit	6	bogs; flitting	PC
MP034	01/10/2024	12:17	T3	Meadow Pipit	1	improved agricultural grassland; flitting	PC
MP035	25/11/2024	09:45	T1	Meadow Pipit	1	bogs; flushed	PC
MP036	25/11/2024	09:47	T1	Meadow Pipit	2	bogs; foraging	PC
MP037	25/11/2024	09:47	T1	Meadow Pipit	2	bogs; foraging	PC
MP038	25/11/2024	11:24	T2	Meadow Pipit	3	improved agricultural grassland; foraging	PC

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Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP039	03/01/2025	10:44	T2	Meadow Pipit	1	bogs; flushed	PC
MP040	03/01/2025	12:20	T1	Meadow Pipit	2	bogs; flitting	PC
MP041	03/01/2025	12:20	T1	Meadow Pipit	1	bogs; flushed	PC
MP042	07/03/2025	09:43	T1	Meadow Pipit	2	bogs; flitting, calling	PC
MP043	07/03/2025	09:46	T1	Meadow Pipit	3	bogs; calling, displaying	PC
MP044	07/03/2025	11:29	T2	Meadow Pipit	5	improved agricultural grassland; displaying, flitting	PC
MP045	07/03/2025	11:30	T2	Meadow Pipit	2	bogs; flitting	PC

Table 7 - 4 - 48 Meadow pipit incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
MP001	Wildfowl Distribution Survey; Raford River near Creevagh	07/10/2021	09:04	Meadow Pipit	1	watercourses and wet grassland; travelling, in flight over fields calling	PC
MP002	Wildfowl Distribution Survey; Killimor bog	07/10/2021	10:26	Meadow Pipit	1	improved grassland and buildings and artificial surfaces; feeding, feeding around huge farm shed with linnet and goldfinch	PC
MP003	Waterbird Distribution Survey; Kiltullagh	16/11/2021	09:50	Meadow Pipit	2	improved grassland; flitting	PC
MP004	Waterbird Distribution Survey; Raford River	05/01/2022	11:14	Meadow Pipit	11	improved agricultural grassland; feeding, flushed by horses in field	PC
MP005	Waterbird Distribution Survey; Killimor Bog	21/04/2022	09:23	Meadow Pipit	2	bogs; display	PC
MP006	Breeding Woodcock Survey; Gannow T1	09/06/2022	20:42	Meadow Pipit	1	cutover bog; display flight and song	KG
MP007	Breeding Woodcock Survey; Gannow T1	23/06/2022	20:56	Meadow Pipit	1	cutover bog; display flight and song, present throughout survey	KG
MP008	Breeding Woodcock Survey; Gannow T1	23/06/2022	21:00	Meadow Pipit	1	cutover bog; display flight and song, present throughout survey	KG
MP009	Breeding Woodcock Survey; Gannow T1	23/06/2022	21:17	Meadow Pipit	1	cutover bog; calling, carrying food, perched prominently with food in bill and calling	KG
MP010	Hen Harrier Roost Survey; HHVP2	07/11/2022	09:11	Meadow Pipit	4	bogs; flitting, total for survey	PC
MP011	Hen Harrier Roost Survey; HHVP3	01/02/2023	09:38	Meadow Pipit	3	bogs; flitting	PC
MP012	Hen Harrier Roost Survey; HHVP2	06/03/2023	09:06	Meadow Pipit	4	bogs; flitting	PC
MP013	Waterbird Distribution Survey; Killimor River	06/03/2023	09:07	Meadow Pipit	6	improved agricultural grassland and bogs; flitting	PC
MP014	Breeding Raptor Survey; BR1	03/04/2023	09:56	Meadow Pipit	12	bogs; display, total counted during survey	PC



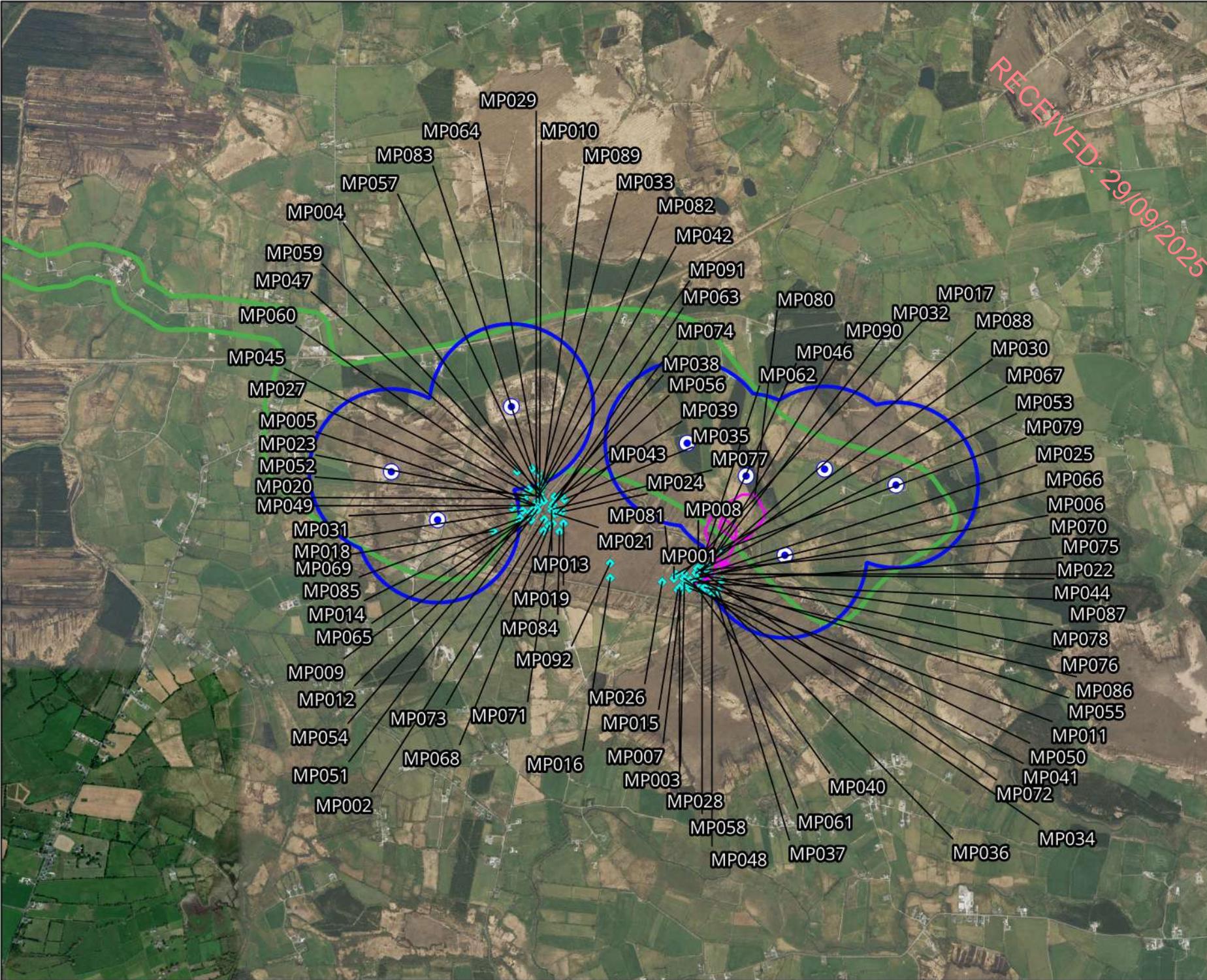
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Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
MP015	Breeding Raptor Survey; BR1	25/05/2023	07:46	Meadow Pipit	9	bogs; flitting, total noted around vantage point	PC
MP016	Breeding Raptor Survey; Laragh Bog	25/05/2023	09:50	Meadow Pipit	6	bogs; flitting	PC
MP017	Breeding Raptor Survey; BR4	30/05/2023	11:37	Meadow Pipit	3	bogs; flitting	PC
MP018	Breeding Raptor Survey; BR1	12/06/2023	08:32	Meadow Pipit	5	bogs; flitting	PC
MP019	Breeding Raptor Survey; BR4	19/06/2023	08:17	Meadow Pipit	6	bogs; flitting, total seen flitting and displaying around vantage point	PC
MP020	Breeding Woodcock Survey; Killimor Bog	27/06/2023	21:32	Meadow Pipit	5	bogs; flitting	PC
MP021	Breeding Raptor Survey; BR4	27/07/2023	12:00	Meadow Pipit	4	bogs; flitting	PC
MP022	Waterbird Distribution Survey; Killimor	05/09/2023	09:15	Meadow Pipit	3	bogs; foraging	PC
MP023	Hen Harrier Roost Survey; Lenamore	02/10/2023	10:05	Meadow Pipit	102	bogs; travelling, total count of birds flying over hhvp3 during survey	PC
MP024	Hen Harrier Roost Survey; HHVP2	18/10/2023	18:13	Meadow Pipit	2	cutover bog; travelling	LL
MP025	Hen Harrier Roost Survey; HHVP2	18/10/2023	18:19	Meadow Pipit	4	cutover bog; travelling	LL
MP026	Hen Harrier Roost Survey; HHVP4	26/01/2024	15:31	Meadow Pipit	1	scrub and bogs; flying, flushed by me	SB
MP027	Hen Harrier Roost Survey; HHVP3	15/02/2024	09:13	Meadow Pipit	8	bogs; flitting, total for survey	PC
MP028	Waterbird Distribution Survey; Killimor River	15/02/2024	10:56	Meadow Pipit	2	bogs; displaying	PC
MP029	Hen Harrier Roost Survey; HHVP7	15/03/2024	08:50	Meadow Pipit	14	bogs; flitting, at least 14 counted on one sweep of the bog. most were displaying.	PC
MP030	Breeding Raptor Survey; Clooncah	11/04/2024	09:00	Meadow Pipit	9	bogs; flitting	PC
MP031	Breeding Raptor Survey; Laragh	18/04/2024	07:22	Meadow Pipit	5	bogs; flitting, count of sightings	PC
MP032	Breeding Raptor Survey; BR4	23/05/2024	11:19	Meadow Pipit	12	bogs; flitting, at least 12 sightings of meadow pipit during survey	PC
MP033	Breeding Raptor Survey; Laragh	11/06/2024	07:07	Meadow Pipit	5	bogs; flitting, displaying	PC
MP034	Breeding Raptor Survey; BR4	20/06/2024	10:52	Meadow Pipit	4	bogs; flitting	PC
MP035	Breeding Raptor Survey; Derrynamanagh	04/07/2024	08:02	Meadow Pipit	11	bogs; flitting	PC
MP036	Hen Harrier Roost Survey; wood lough	04/10/2024	09:10	Meadow Pipit	7	bogs; flitting	PC
MP037	Hen Harrier Roost Survey; Lenamore	18/10/2024	08:52	Meadow Pipit	9	bogs; flitting	PC
MP038	Hen Harrier Roost Survey; HHVP7	08/11/2024	16:40	Meadow Pipit	13	bogs; flying, calling	ZE
MP039	Hen Harrier Roost Survey; HHVP6	11/11/2024	16:40	Meadow Pipit	3	bogs; flying, calling	ZE



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
MP040	Hen Harrier Roost Survey; HHVP2	21/11/2024	16:52	Meadow Pipit	3	bogs; flying, calling	ZOC
MP041	Hen Harrier Roost Survey; HHVP3	25/11/2024	16:35	Meadow Pipit	5	bogs; flying	ZOC
MP042	Hen Harrier Roost Survey; Gortnalone	05/12/2024	17:26	Meadow Pipit	5	cutover bog; flushed	FLM
MP043	Hen Harrier Roost Survey; Killimor	06/12/2024	17:15	Meadow Pipit	2	cutover bog and raised bog; flitting	FLM
MP044	Hen Harrier Roost Survey; HHVP6	12/12/2024	16:02	Meadow Pipit	8	bogs; flying	ZOC

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 - Flightline
 - ◆ Observation

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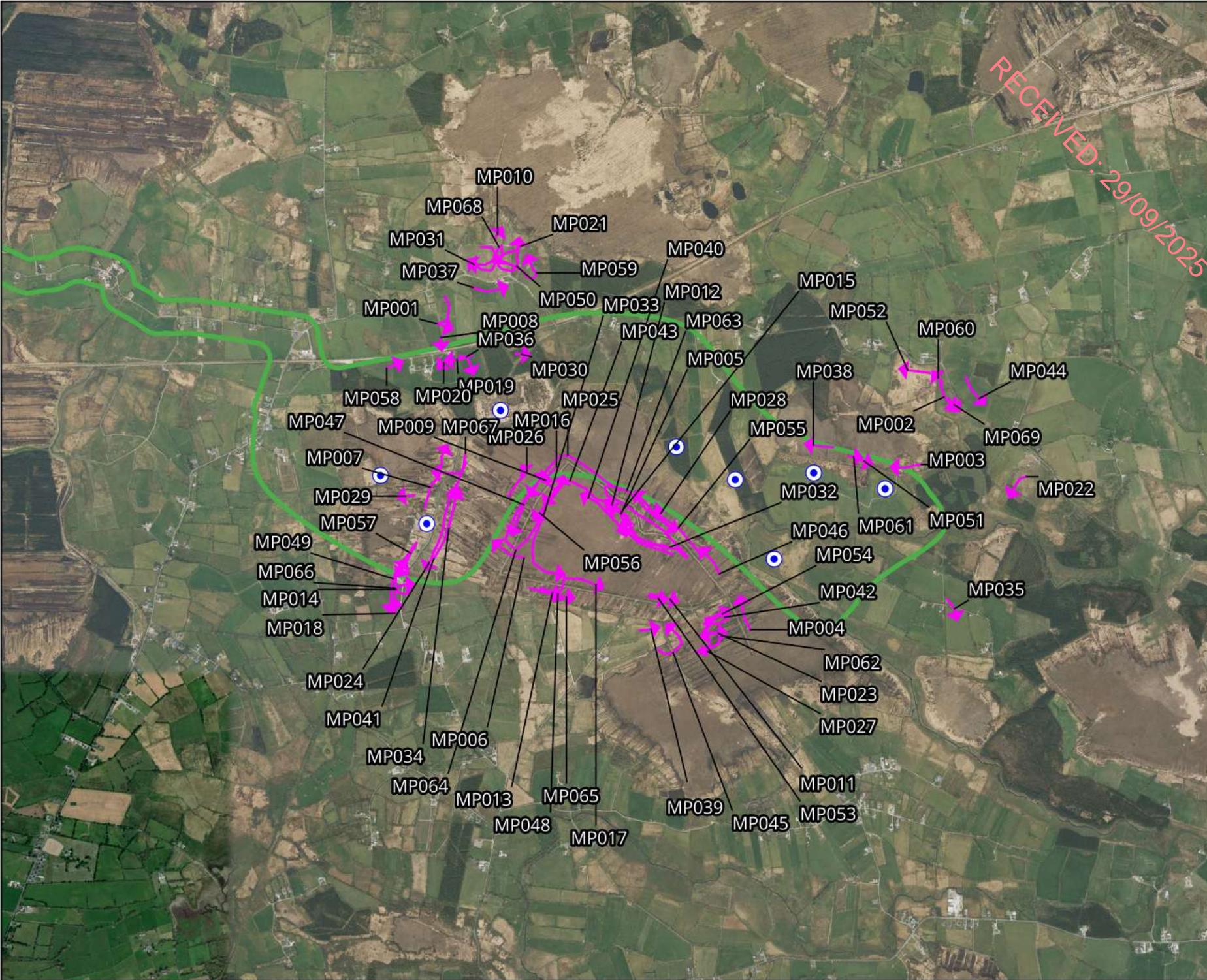


Drawing Title Meadow Pipit Observations Vantage Point Surveys	
Project Title Gannow Renewable Energy Development	
Drawn By CC	Checked By PM
Project No. 240323	Drawing No. Fig 7-4-45
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Map Legend

- EIAR Site Boundary
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- Flightline

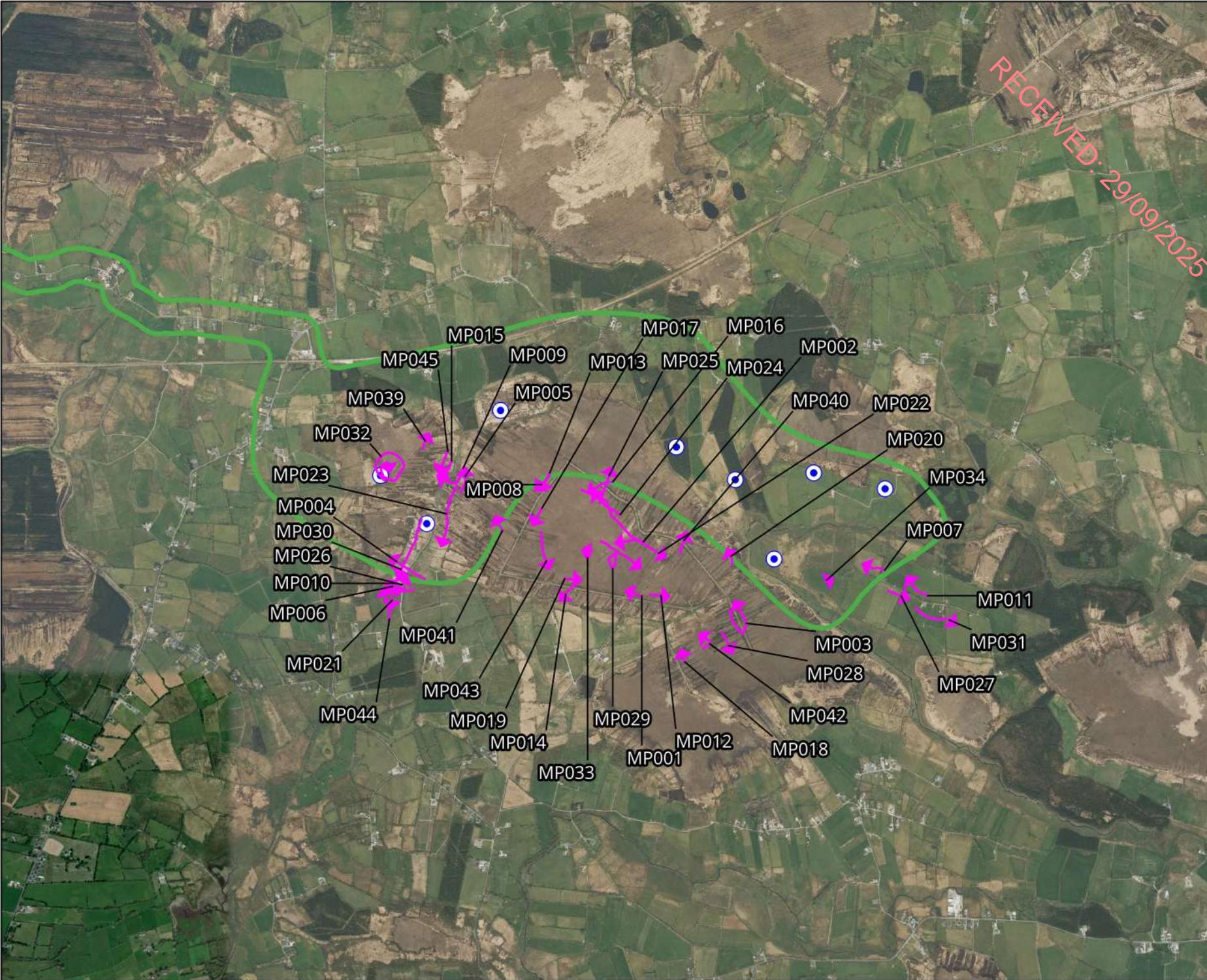
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Drawing Title Meadow Pipit Observations Breeding Walkover Survey	
Project Title Gannow Renewable Energy Development	
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Project No. 240323	Drawing No. Fig 7-4-46
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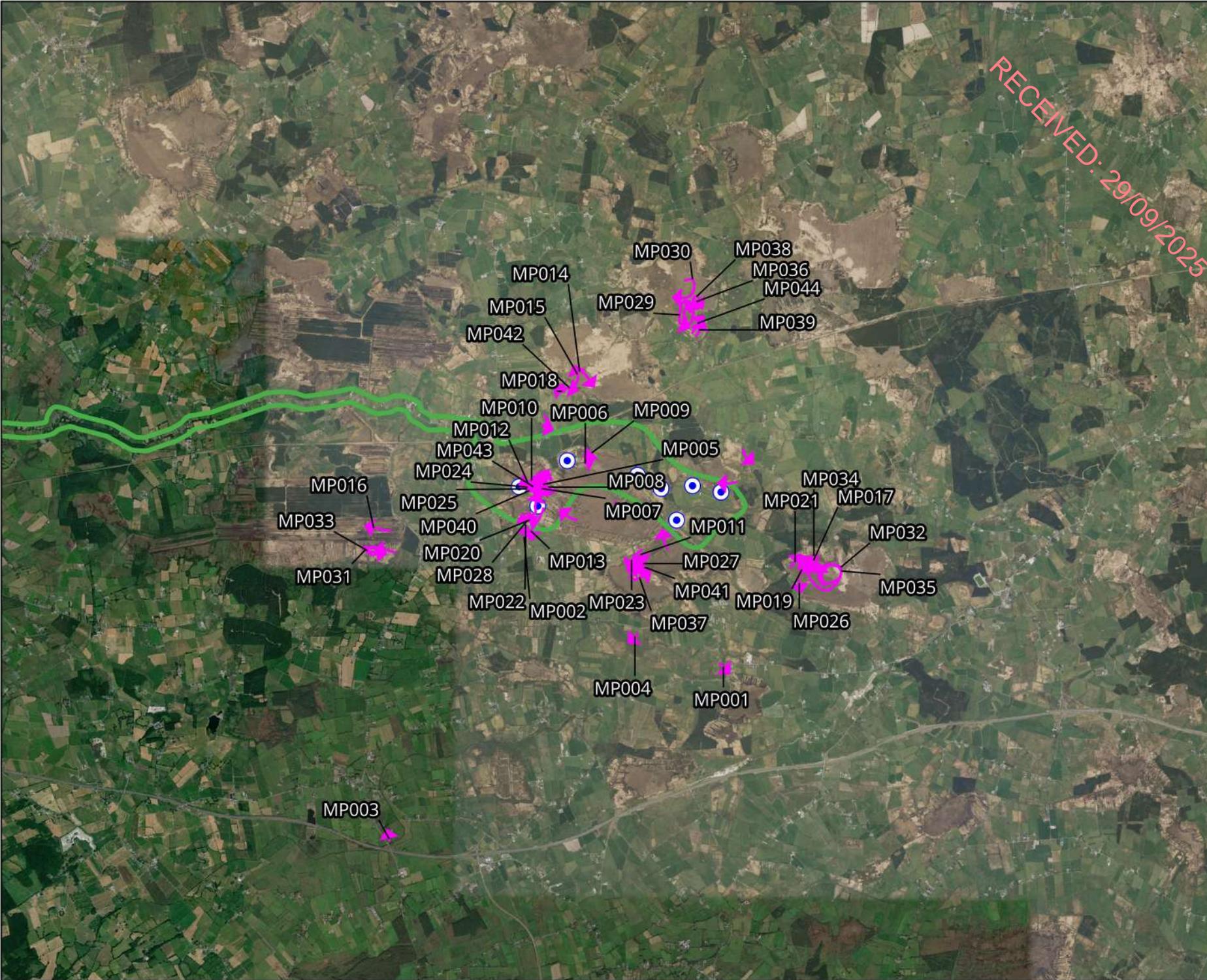
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- MP018



Drawing Title Meadow Pipit Observations Winter Walkover Survey	
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13.

REDWING

Table 7 - 4 - 49 Redwing vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
RE001	VP1	05/10/2021	06:59	Redwing	2	-	-	-	-	-	bogs; travelling, heard in flight, not really sure how many	PC
RE002	VP2	09/12/2021	07:40	Redwing	2	-	-	-	-	-	bogs; calling, 2 heard calling over vantage point	PC
RE003	VP1	10/12/2021	07:00	Redwing	2	-	-	-	-	-	bogs; calling, two calls heard over vantage point	PC
RE004	VP1	10/12/2021	08:42	Redwing	14	28	0	0	28	0	bogs; travelling, picked up just after cormorant	PC
RE005	VP1	20/01/2022	16:14	Redwing	150	-	-	-	-	-	linear woodland/scrub; roosting, large flock gathered in trees, think they are redwing with fieldfare	PC
RE006	VP1	13/10/2022	07:12	Redwing	5	-	-	-	-	-	bogs; calling	PC
RE007	VP1	13/10/2022	08:06	Redwing	20	20	0	0	20	0	improved agricultural grassland and highly modified/non-native woodland; travelling	PC
RE008	VP2	10/11/2022	15:33	Redwing	45	15	15	0	0	0	bogs and linear woodland/scrub; travelling, came up from near the bog and headed into treeline	PC
RE009	VP1	07/12/2022	11:13	Redwing	3	-	-	-	-	-	bogs; calling	PC
RE010	VP2	12/12/2022	09:36	Redwing	76	-	-	-	-	-	bogs; travelling, total no. of birds passing over vantage point during 1st 3 hours	PC
RE011	VP2	12/10/2023	17:10	Redwing	107	45	0	0	45	0	bogs; travelling	PC
RE012	VP2	15/11/2023	06:54	Redwing	7	-	-	-	-	-	bogs; calling, total calls counted so far	PC
RE013	VP1	22/11/2023	07:46	Redwing	2	-	-	-	-	-	bogs; calling, heard not seen	PC
RE014	VP1	22/11/2023	09:11	Redwing	6	28	0	0	28	0	bogs; travelling	PC
RE015	VP2	18/11/2024	07:20	Redwing	1	-	-	-	-	-	bogs; calling, heard not seen	PC
RE016	VP2	04/12/2024	13:49	Redwing	30	15	15	0	0	0	conifer plantation; travelling	PC
RE017	VP1	06/02/2025	12:37	Redwing	68	-	-	-	-	-	linear woodland/scrub and improved agricultural grassland; foraging	PC
RE018	VP1	06/03/2025	11:06	Redwing	60	-	-	-	-	-	linear woodland/scrub; foraging, travelling, flock moving between trees in the distance.	PC

Table 7 - 4 - 50 Redwing winter walkover survey data

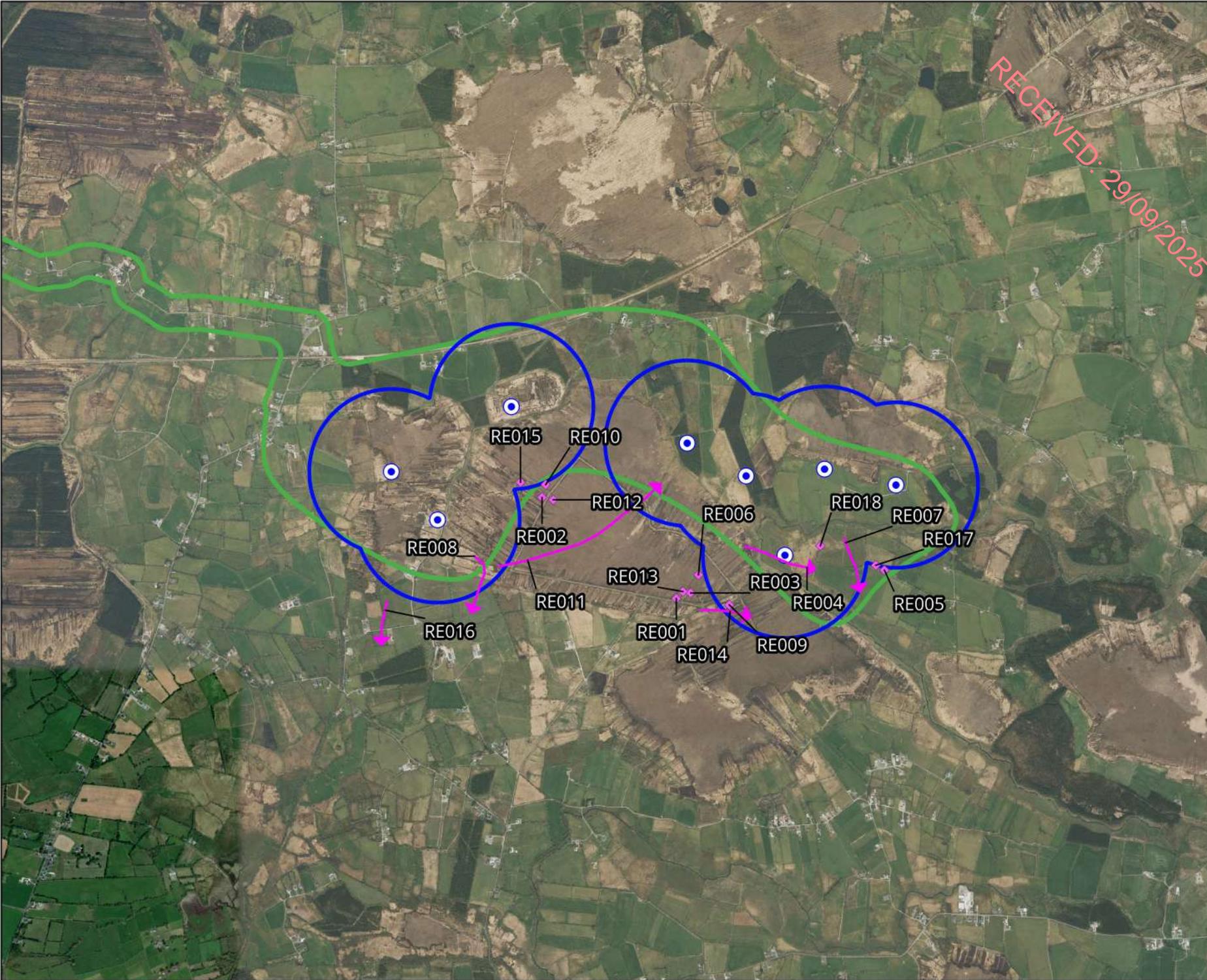
Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
RE001	02/12/2021	09:30		Redwing	50	improved grassland and linear woodland/scrub; travelling, flushed from trees at side of road	PC
RE002	09/02/2022	10:43		Redwing	150	improved agricultural grassland; feeding, large mixed flock of re, fl and sg, estimate of re numbers	PC
RE003	08/03/2022	09:39		Redwing	28	improved agricultural grassland and mixed broadleaved woodland; travelling	PC
RE004	09/11/2022	08:41		Redwing	5	bogs; travelling	PC
RE005	01/02/2023	13:35		Redwing	28	improved agricultural grassland and hedgerows; foraging	PC
RE006	08/03/2023	12:40		Redwing	30	improved agricultural grassland; foraging	PC
RE007	03/10/2023	09:04		Redwing	1	bogs; calling, heard not seen	PC
RE008	20/11/2023	09:23		Redwing	1	bogs; calling	PC
RE009	15/01/2024	12:59		Redwing	34	improved agricultural grassland; foraging	PC
RE010	16/02/2024	10:43		Redwing	21	bogs; travelling	PC
RE011	25/11/2024	09:48	T1	Redwing	2	bogs; calling, travelling	PC
RE012	25/11/2024	11:23	T2	Redwing	15	wet grassland and improved agricultural grassland; foraging	PC
RE013	25/11/2024	12:19	T3	Redwing	63	improved agricultural grassland and linear woodland/scrub; travelling, foraging	PC
RE014	03/01/2025	14:11	T3	Redwing	22	improved agricultural grassland; foraging, foraging in fields with starlings	PC

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Table 7- 4- 5l Redwing incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Survey or
RE001	Wildfowl Distribution Survey; Clogheravaun River	18/10/2021	12:06	Redwing	1	improved grassland and highly modified/non-native woodland; travelling, in flight between wooded areas	PC
RE002	Waterbird Distribution Survey; Kiltullagh	16/11/2021	09:49	Redwing	80	hedgerows and improved agricultural grassland; feeding, couple of flocks feeding in hedges	PC
RE003	Hen Harrier Roost Survey; HHVP2	02/12/2021	09:08	Redwing	4	bogs; calling, 4 occurrences of redwing calling in the dark during hen harrier survey.	PC
RE004	Hen Harrier Roost Survey; HHVP4	16/12/2021	08:26	Redwing	16	bogs and conifer plantation; travelling	PC
RE005	Hen Harrier Roost Survey; HHVP2	07/11/2022	09:08	Redwing	30	bogs; travelling, estimate of numbers flying over during survey	PC
RE006	Hen Harrier Roost Survey; HHVP1	16/11/2022	08:31	Redwing	60	bogs; travelling, total number passing over during survey	PC
RE007	Hen Harrier Roost Survey; HHVP2	18/10/2023	18:12	Redwing	4	cutover bog; travelling	LL
RE008	Hen Harrier Roost Survey; HHVP2	18/10/2023	18:21	Redwing	5	cutover bog; foraging/travelling	LL
RE009	Hen Harrier Roost Survey; HHVP2	18/10/2023	18:24	Redwing	17	cutover bog; travelling	LL
RE010	Hen Harrier Roost Survey; HHVP2	18/10/2023	18:05	Redwing	13	cutover bog; travelling	LL
RE011	Hen Harrier Roost Survey; HHVP4	24/11/2023	10:00	Redwing	5	bogs and conifer plantation; calling, total number heard calling	PC
RE012	Hen Harrier Roost Survey; roadside between HHVP7 and HHVP6	15/03/2024	08:51	Redwing	20	linear woodland/scrub; foraging, mixed flock with fieldfare, possibly roosting in trees	PC

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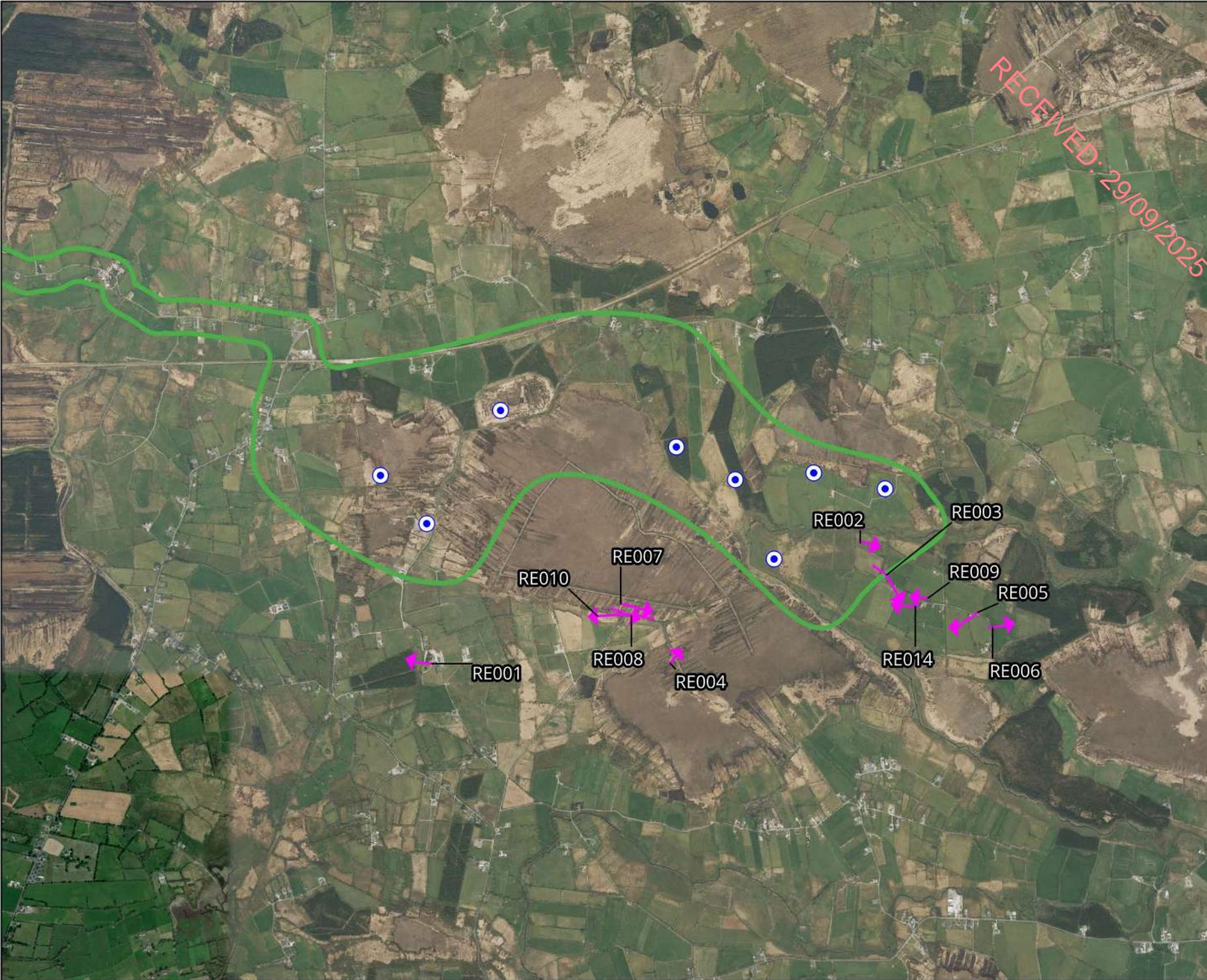
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 - Proposed Turbine Layout
 - ▭ 500m Buffer of Proposed Turbine Layout
 - Flightline
 - ◆ Observation



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Project No. 240323	Drawing No. Fig 7-4-49
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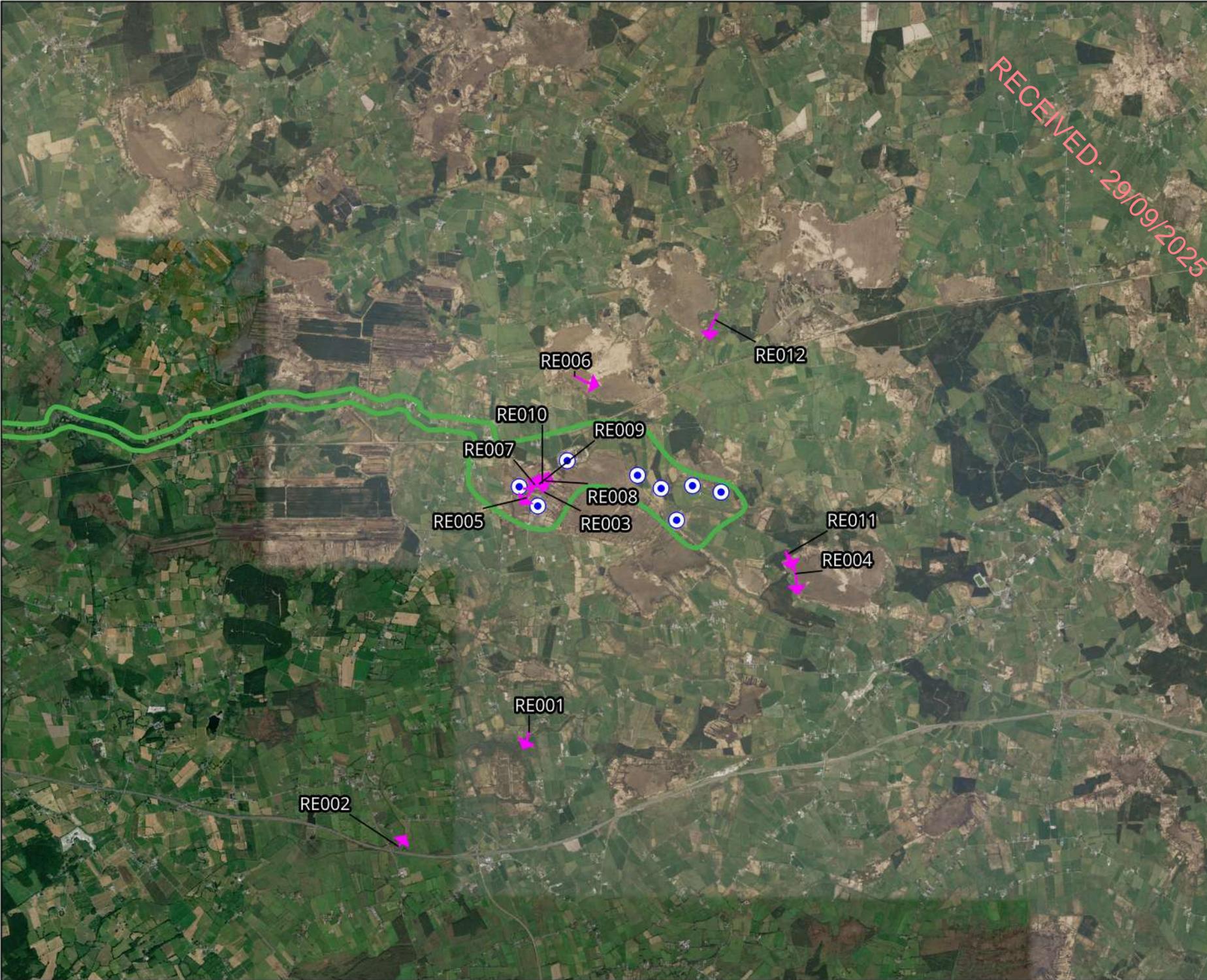


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Project Title	
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14.

SNIPE

Table 7 - 4 - 52 Snipe vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
SN001	VP1	23/09/2021	20:12	Snipe	1	13	13	0	0	0	cutover bog; travelling	TR
SN002	VP1	05/10/2021	06:57	Snipe	2	-	-	-	-	-	bogs; calling, sounded like 2 birds calling on bog, hard to say exactly how many in the dark!	PC
SN003	VP2	06/10/2021	06:40	Snipe	3	-	-	-	-	-	bogs; calling, sounded like 3 birds calling in the dark.	PC
SN004	VP2	06/10/2021	09:10	Snipe	2	-	-	-	-	-	bogs; calling, sounded like at least 2 birds calling overhead. couldn't see them due to low cloud.	PC
SN005	VP2	06/10/2021	10:27	Snipe	21	45	0	0	45	0	bogs; travelling, flew across in front of vantage point heading east then flew back west where they came from. lost in rain and low clouds.	PC
SN006	VP1	10/12/2021	07:24	Snipe	1	-	-	-	-	-	bogs; calling, heard calling in the dark	PC
SN007	VP2	25/01/2022	14:16	Snipe	1	14	14	0	0	0	bogs; travelling, came up from bog, lost as it flew towards low sun	PC
SN008	VP2	08/02/2022	07:18	Snipe	2	-	-	-	-	-	bogs; calling, heard but not seen	PC
SN009	VP1	15/02/2022	07:24	Snipe	1	-	-	-	-	-	bogs; calling	PC
SN011	VP1	15/02/2022	07:45	Snipe	1	-	-	-	-	-	bogs; calling	PC
SN014	VP2	21/09/2022	15:22	Snipe	1	-	-	-	-	-	bogs; calling, heard not seen, location is best guess.	PC
SN015	VP2	21/09/2022	18:24	Snipe	1	35	0	35	0	0	bogs; travelling	PC
SN016	VP2	05/10/2022	06:58	Snipe	3	-	-	-	-	-	bogs; calling	PC
SN017	VP1	13/10/2022	07:11	Snipe	4	-	-	-	-	-	bogs; calling	PC
SN018	VP1	13/10/2022	10:05	Snipe	9	47	0	0	47	0	bogs; travelling	PC
SN019	VP1	13/10/2022	12:27	Snipe	3	27	0	0	27	0	bogs; travelling	PC
SN020	VP1	07/12/2022	12:57	Snipe	1	5	5	0	0	0	bogs; flushed	PC
SN021	VP2	09/02/2023	11:41	Snipe	1	13	13	0	0	0	bogs; travelling, came up briefly from bog then dropped back down.	PC
SN022	VP1	11/05/2023	19:54	Snipe	2	-	-	-	-	-	bogs; heard calling	PC
SN024	VP2	15/05/2023	20:32	Snipe	2	-	-	-	-	-	bogs; calling, heard not seen	PC

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Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
SN025	VP1	07/06/2023	08:38	Snipe	1	-	-	-	-	-	bogs; calling, heard a couple of times but couldn't locate it	PC
SN026	VP1	07/06/2023	08:39	Snipe	1	-	-	-	-	-	bogs; calling, heard not seen	PC
SN030	VP1	07/06/2023	11:05	Snipe	1	48	0	0	48	0	improved agricultural grassland, conifer plantation and watercourses; travelling	PC
SN031	VP2	20/06/2023	06:46	Snipe	1	-	-	-	-	-	bogs; calling, heard not seen	PC
SN033	VP1	24/07/2023	06:44	Snipe	1	-	-	-	-	-	bogs; calling	PC
SN034	VP1	24/07/2023	06:44	Snipe	1	-	-	-	-	-	bogs; calling	PC
SN035	VP1	24/07/2023	07:19	Snipe	1	-	-	-	-	-	bogs; calling	PC
SN037	VP2	25/07/2023	07:08	Snipe	1	-	-	-	-	-	cutover bog; calling, heard not seen	PC
SN038	VP2	25/07/2023	07:10	Snipe	1	-	-	-	-	-	cutover bog; calling, heard not seen	PC
SN039	VP2	25/07/2023	08:02	Snipe	1	100	0	0	100	0	cutover bog; travelling	PC
SN041	VP2	25/07/2023	08:36	Snipe	1	-	-	-	-	-	cutover bog; calling	PC
SN042	VP2	25/07/2023	12:17	Snipe	1	-	-	-	-	-	cutover bog; calling	PC
SN043	VP1	26/09/2023	06:16	Snipe	2	-	-	-	-	-	bogs; calling, heard not seen	PC
SN044	VP1	26/09/2023	06:55	Snipe	1	-	-	-	-	-	bogs; calling, heard not seen, very close to vantage point	PC
SN045	VP1	26/09/2023	06:56	Snipe	2	-	-	-	-	-	bogs; calling, heard not seen	PC
SN046	VP1	26/09/2023	08:31	Snipe	7	35	0	35	0	0	bogs; travelling, dropped onto bog near vantage point	PC
SN047	VP2	28/09/2023	06:51	Snipe	3	-	-	-	-	-	bogs; calling, at least 3 calls heard	PC
SN048	VP2	28/09/2023	09:44	Snipe	1	-	-	-	-	-	bogs; calling, heard not seen	PC
SN049	VP2	28/09/2023	10:38	Snipe	2	25	0	0	25	0	bogs; travelling	PC
SN050	VP1	10/10/2023	13:05	Snipe	7	21	0	21	0	0	bogs; travelling	PC
SN051	VP1	10/10/2023	13:23	Snipe	9	23	0	0	23	0	bogs; travelling	PC
SN052	VP1	10/10/2023	13:48	Snipe	23	123	0	0	123	0	bogs; travelling	PC
SN053	VP1	10/10/2023	13:49	Snipe	10	72	0	0	72	0	bogs; travelling	PC
SN054	VP1	10/10/2023	13:49	Snipe	10	95	0	95	0	0	bogs; travelling	PC
SN055	VP1	10/10/2023	13:50	Snipe	4	38	0	0	38	0	bogs; travelling	PC
SN056	VP1	10/10/2023	14:37	Snipe	1	35	0	0	35	0	bogs; travelling	PC
SN057	VP1	10/10/2023	15:22	Snipe	7	27	0	27	0	0	bogs; travelling	PC

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
SN058	VP1	10/10/2023	15:23	Snipe	6	29	29	0	0	0	bogs; travelling	PC
SN059	VP1	10/10/2023	16:11	Snipe	7	90	0	0	90	0	bogs; travelling, above golden plover flock	PC
SN060	VP1	10/10/2023	16:12	Snipe	6	12	0	12	0	0	bogs; travelling, dropped onto bog under golden plover flock	PC
SN061	VP1	10/10/2023	16:26	Snipe	15	16	0	0	16	0	bogs; travelling	PC
SN062	VP1	10/10/2023	16:44	Snipe	9	27	27	0	0	0	bogs; travelling	PC
SN063	VP2	12/10/2023	12:59	Snipe	1	9	0	0	9	0	bogs; travelling, briefly seen whilst watching kestrel	PC
SN064	VP2	12/10/2023	13:54	Snipe	2	109	0	109	0	0	bogs; travelling	PC
SN065	VP2	12/10/2023	15:14	Snipe	1	32	0	32	0	0	bogs; travelling	PC
SN066	VP2	12/10/2023	16:29	Snipe	11	54	0	54	0	0	bogs; travelling	PC
SN067	VP2	12/10/2023	16:53	Snipe	4	66	0	0	66	0	bogs; travelling	PC
SN068	VP2	12/10/2023	16:56	Snipe	20	24	0	0	24	0	bogs; travelling	PC
SN069	VP2	12/10/2023	17:09	Snipe	1	36	0	0	0	36	bogs; travelling	PC
SN070	VP2	15/11/2023	06:52	Snipe	1	7	0	7	0	0	bogs; travelling, timed between 1st and last calls, heard no seen. height is estimate based on call volume.	PC
SN071	VP2	15/11/2023	07:14	Snipe	3	-	-	-	-	-	bogs; calling, heard not seen	PC
SN072	VP2	15/11/2023	12:29	Snipe	1	3	3	0	0	0	bogs; travelling	PC
SN073	VP1	22/11/2023	07:45	Snipe	18	-	-	-	-	-	bogs; calling, total number of calls heard during first hour	PC
SN074	VP1	29/11/2023	13:08	Snipe	5	25	0	0	25	0	bogs; travelling, came out of low cloud over vp, then lost in low cloud	PC
SN075	VP1	10/01/2024	09:03	Snipe	1	-	-	-	-	-	bogs; calling, heard whilst watching hen harrier	PC
SN076	VP1	10/01/2024	12:33	Snipe	1	23	23	0	0	0	bogs and scrub/transitional woodland; travelling, came up from bog then dropped back down	PC
SN078	VP1	25/04/2024	18:24	Snipe	1	12	12	0	0	0	bogs; travelling, came up from bog then dropped again	PC
SN079	VP1	25/04/2024	20:15	Snipe	1	600	0	0	600	0	bogs; drumming	PC
SN080	VP1	25/04/2024	20:16	Snipe	1	15	15	0	0	0	bogs; travelling	PC
SN081	VP1	21/05/2024	06:52	Snipe	1	-	-	-	-	-	bogs; calling, heard not seen	PC

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Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
SN083	VP1	21/05/2024	09:44	Snipe	2	38	11	27	0	0	bogs; travelling, seemed to come up from bog in front of vantage point. lost against low cloud.	PC
SN084	VP2	22/05/2024	08:13	Snipe	2	-	-	-	-	-	bogs; calling, birds heard not seen	PC
SN085	VP1	05/06/2024	07:23	Snipe	2	-	-	-	-	-	bogs; calling, heard not seen	PC
SN086	VP1	05/06/2024	08:25	Snipe	1	108	0	27	81	0	bogs; travelling	PC
SN093	VP1	02/07/2024	06:47	Snipe	1	-	-	-	-	-	bogs; calling, heard a couple of times but not seen	PC
SN095	VP1	02/07/2024	10:25	Snipe	1	23	23	0	0	0	bogs; calling, travelling, dropped onto bog	PC
SN098	VP2	03/07/2024	06:28	Snipe	2	-	-	-	-	-	bogs; calling, heard calling at same time but not seen	PC
SN099	VP2	03/07/2024	06:30	Snipe	1	8	8	0	0	0	bogs; travelling, briefly seen flying off before losing it in the gloom	PC
SN100	VP2	03/07/2024	07:58	Snipe	1	-	-	-	-	-	bogs; calling, calling for about 5 minutes but couldn't see it	PC
SN101	VP2	03/07/2024	10:20	Snipe	1	48	5	43	0	0	bogs; travelling	PC
SN102	VP2	19/08/2024	07:56	Snipe	8	141	5	136	0	0	bogs; travelling, calling, dropped onto bog	PC
SN103	VP1	26/08/2024	08:59	Snipe	1	-	-	-	-	-	bogs; calling, heard not seen, whilst watching the 8 mallard	PC
SN104	VP1	24/09/2024	06:14	Snipe	1	-	-	-	-	-	bogs; calling, heard 3 times; possibly 3 birds calling, hard to tell in the dark.	PC
SN105	VP1	24/09/2024	06:56	Snipe	1	-	-	-	-	-	bogs; calling, heard not seen	PC
SN106	VP1	24/09/2024	06:56	Snipe	1	-	-	-	-	-	bogs; calling, heard not seen	PC
SN107	VP1	24/09/2024	08:24	Snipe	2	20	0	20	0	0	bogs and conifer plantation; travelling	PC
SN108	VP1	24/09/2024	11:38	Snipe	1	-	-	-	-	-	bogs; calling, heard not seen	PC
SN109	VP2	25/09/2024	06:25	Snipe	3	-	-	-	-	-	bogs; calling, travelling	PC
SN110	VP2	25/09/2024	06:47	Snipe	3	-	-	-	-	-	bogs; calling, heard not seen	PC
SN111	VP2	25/09/2024	09:28	Snipe	1	20	20	0	0	0	bogs; travelling	PC
SN112	VP2	25/09/2024	09:29	Snipe	6	15	15	0	0	0	bogs; travelling	PC
SN113	VP2	25/09/2024	10:23	Snipe	1	-	-	-	-	-	bogs; calling, heard not seen	PC
SN114	VP2	25/09/2024	11:07	Snipe	1	25	25	0	0	0	bogs; travelling	PC
SN115	VP2	25/09/2024	11:36	Snipe	6	120	0	0	120	0	bogs; travelling	PC
SN116	VP1	02/10/2024	17:59	Snipe	1	44	44	0	0	0	bogs; travelling, calling	PC

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
SN117	VP1	02/10/2024	17:59	Snipe	3	47	47	0	0	0	bogs; travelling, calling, dropped onto bog	PC
SN118	VP1	02/10/2024	18:15	Snipe	5	91	0	0	91	0	bogs; travelling	PC
SN119	VP1	02/10/2024	18:29	Snipe	8	116	0	0	116	0	bogs and conifer plantation; travelling	PC
SN120	VP1	02/10/2024	18:50	Snipe	3	27	27	0	0	0	bogs; travelling, seemed to drop onto bog	PC
SN121	VP2	16/10/2024	15:02	Snipe	1	5	5	0	0	0	bogs; flushed, calling, came up from side of road then dropped again almost immediately. not sure if the plover spooked it!	PC
SN122	VP2	16/10/2024	19:12	Snipe	3	28	28	0	0	0	bogs; travelling, calling, came up from bog next to VP. lost in the gloom.	PC
SN123	VP2	16/10/2024	19:13	Snipe	2	-	-	-	-	-	bogs; calling, heard not seen due to poor visibility	PC
SN124	VP2	16/10/2024	19:19	Snipe	3	-	-	-	-	-	bogs; calling, heard not seen	PC
SN125	VP2	18/11/2024	07:19	Snipe	1	-	-	-	-	-	bogs; travelling, calling, heard calling in the dark over the VP	PC
SN126	VP2	18/11/2024	07:56	Snipe	1	-	-	-	-	-	bogs; calling, heard not seen	PC
SN127	VP1	13/12/2024	12:34	Snipe	1	34	34	0	0	0	bogs; travelling, came up from bog	PC
SN128	VP2	27/01/2025	08:54	Snipe	1	-	-	-	-	-	bogs; calling, heard not seen	PC
SN129	VP2	27/01/2025	12:25	Snipe	1	12	0	0	12	0	bogs; travelling, lost in clouds	PC

Table 7 - 4 - 53 Snipe breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SN001	26/04/2022	09:39		Snipe	2	bogs; travelling, one singing then two took off from bog (suitable nesting habitat; possible breeder)	PC
SN002	13/04/2023	11:27		Snipe	6	wet grassland; flushed (suitable nesting habitat; possible breeder)	PC
SN003	13/04/2023	11:29		Snipe	1	improved agricultural grassland, wet grassland and conifer plantation; flushed, flushed from side of road (suitable nesting habitat; possible breeder)	PC
SN004	14/04/2023	11:13		Snipe	1	bogs; flushed (suitable nesting habitat; possible breeder)	PC
SN005	14/04/2023	11:13		Snipe	1	bogs; flushed (suitable nesting habitat; possible breeder)	PC
SN006	09/05/2023	09:46		Snipe	3	bogs and conifer plantation; travelling (suitable nesting habitat; possible breeder)	PC
SN007	10/05/2023	10:15		Snipe	1	conifer plantation; travelling (flyover; non-breeding)	PC
SN010	16/06/2023	08:26		Snipe	1	bogs; calling, heard not seen (suitable nesting habitat; possible breeder)	PC
SN011	16/06/2023	09:59		Snipe	1	bogs; travelling (suitable nesting habitat; possible breeder)	PC
SN012	16/06/2023	11:19		Snipe	1	bogs and improved agricultural grassland; travelling (suitable nesting habitat; possible breeder)	PC
SN014	14/05/2024	07:16		Snipe	1	bogs; calling, heard not seen (suitable nesting habitat; possible breeder)	PC
SN015	06/06/2024	07:51		Snipe	1	bogs; calling, heard not seen (suitable nesting habitat; possible breeder)	PC
SN016	08/07/2024	07:03	T1	Snipe	1	bogs; calling, heard not seen due to low sun, sounded like it was circling (suitable nesting habitat; possible breeder)	PC
SN017	08/07/2024	07:04	T1	Snipe	1	bogs; calling, heard not seen (suitable nesting habitat; possible breeder)	PC
SN018	08/07/2024	08:15	T2	Snipe	1	bogs; calling, heard not seen (suitable nesting habitat; possible breeder)	PC

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Table 7 - 4 - 54 Snipe winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SN001	04/10/2021	09:25		Snipe	1	cutover bog; travelling, flushed from bog, flew off heading west	PC
SN002	03/10/2022	08:43		Snipe	1	bogs; travelling	PC
SN003	09/11/2022	10:39		Snipe	1	bogs; travelling	PC
SN004	01/02/2023	09:39		Snipe	1	bogs; flushed	PC
SN005	01/02/2023	11:06		Snipe	1	bogs; flushed	PC
SN006	08/03/2023	10:21		Snipe	1	bogs; flushed	PC
SN007	08/03/2023	10:22		Snipe	1	bogs; flushed	PC
SN008	08/03/2023	11:27		Snipe	1	bogs; flushed	PC
SN009	08/03/2023	11:28		Snipe	1	bogs; flushed	PC
SN010	03/10/2023	09:02		Snipe	4	bogs; flushed, total flushed on this part of bog	PC
SN011	03/10/2023	09:02		Snipe	2	bogs; flushed	PC
SN012	20/11/2023	09:26		Snipe	2	bogs; flushed	PC
SN013	15/01/2024	10:32		Snipe	1	bogs; travelling, flushed	PC
SN014	15/01/2024	11:46		Snipe	1	bogs and scrub/transitional woodland; travelling, flushed	PC
SN015	16/02/2024	10:33		Snipe	1	bogs; flushed	PC
SN016	16/02/2024	10:33		Snipe	3	bogs; flushed	PC
SN017	01/10/2024	08:54	T2	Snipe	1	bogs; travelling, flushed	PC
SN018	01/10/2024	10:58	T1	Snipe	1	bogs; travelling, flushed	PC
SN019	01/10/2024	10:58	T1	Snipe	1	bogs; travelling, flushed	PC
SN020	25/11/2024	09:44	T1	Snipe	1	bogs; flushed	PC
SN021	25/11/2024	09:46	T1	Snipe	1	bogs; flushed	PC
SN022	25/11/2024	09:46	T1	Snipe	1	bogs; flushed	PC
SN023	25/11/2024	11:23	T2	Snipe	1	bogs; flushed	PC
SN024	07/03/2025	09:44	T1	Snipe	1	bogs; flushed	PC
SN025	07/03/2025	11:27	T2	Snipe	1	improved agricultural grassland; flushed, flushed by pair of mallard	PC

Table 7- 4 - 55 Snipe waterbird distribution and abundance survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	Kiltullagh	03/12/2021	10:22	Snipe	1	turloughs; flushed, apparently this is an ancient turlough although it isn't shown on modern maps as a turlough	PC
SN002	Bog near HHVP1	03/12/2021	12:23	Snipe	1	bogs; calling, heard but not seen	PC
SN003	Kiltullagh Graveyard	18/01/2022	09:54	Snipe	1	improved grassland and semi-natural grassland; flushed	PC
SN004	Dominick's Hill Quarry	02/03/2022	09:05	Snipe	4	other artificial lakes and ponds; flushed, flushed from side of quarry nearest road	PC
SN005	Kiltullagh	02/03/2022	09:52	Snipe	1	turloughs; calling, heard but not seen	PC
SN006	Killimor Bog	01/04/2022	11:27	Snipe	1	bogs; flushed	PC
SN007	Dominick's Hill Quarry	12/08/2022	07:30	Snipe	1	other artificial lakes and ponds; travelling, circled quarry a couple of times before alighting	PC
SN008	Laragh Bog (BRVP2)	12/08/2022	08:13	Snipe	1	cutover bog; flushed	PC
SN009	Laragh Bog	13/09/2022	09:54	Snipe	2	bogs; flushed	PC
SN010	Dominick's Hill Quarry	04/10/2022	09:39	Snipe	4	other artificial lakes and ponds; foraging, on islands in quarry	PC
SN011	Dominick's Hill Quarry	04/10/2022	09:41	Snipe	2	other artificial lakes and ponds and improved agricultural grassland; travelling, flew over quarry	PC
SN012	Laragh Bog	04/10/2022	10:21	Snipe	2	bogs; flushed	PC
SN013	Laragh Bog	17/10/2022	09:04	Snipe	1	bogs; flushed	PC
SN014	Killimor Bog	01/12/2022	11:19	Snipe	2	bogs; flushed	PC
SN015	Laragh Bog	06/03/2023	09:56	Snipe	2	bogs; flushed	PC
SN016	Ballinagecha	05/04/2023	09:58	Snipe	1	improved grassland; flushed, flushed from roadside	PC
SN017	Dominick's hill quarry	19/04/2023	09:41	Snipe	2	other artificial lakes and ponds; roosting	PC
SN018	Killimor Bog	01/08/2023	09:44	Snipe	1	bogs; calling, heard not seen	PC
SN019	Lenamore	06/10/2023	08:49	Snipe	3	bogs; travelling	PC
SN020	Raford River	20/10/2023	10:58	Snipe	71	wet grassland; travelling, flocks passing over, possible double count	PC
SN021	Kiltullagh	01/11/2023	09:28	Snipe	1	turloughs; flushed	PC
SN022	Ballynahown	01/11/2023	11:59	Snipe	1	wet grassland and watercourses; flushed	PC
SN023	Doowetha river, Kiltullagh	17/11/2023	12:29	Snipe	1	scrub/transitional woodland and eroding/upland rivers; flying	PC
SN024	Killimor River	01/12/2023	09:14	Snipe	2	bogs and watercourses; flushed	PC
SN025	Kiltullagh	01/12/2023	11:23	Snipe	1	turloughs; flushed	PC
SN026	Killimor Bog	02/01/2024	09:27	Snipe	1	bogs; flushed	PC

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Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN027	Killimor Bog	11/01/2024	09:30	Snipe	3	bogs; calling, heard not seen	PC
SN028	Killimor bog	02/02/2024	09:43	Snipe	2	bogs; flushed	PC
SN029	Dominick's Hill Quarry	02/02/2024	10:34	Snipe	1	other artificial lakes and ponds; travelling, briefly seen flying low over water	PC
SN030	Killimor bog	26/09/2024	09:06	Snipe	1	bogs; travelling	PC

Table 7 - 4 - 56 Snipe incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	Hen Harrier Roost Survey; HHVP1	20/10/2021	19:04	Snipe	1	raised bog; travelling	PM
SN002	Hen Harrier Roost Survey; HHVP1	20/10/2021	19:05	Snipe	1	raised bog; travelling	PM
SN003	Hen Harrier Roost Survey; HHVP4	26/10/2021	18:46	Snipe	1	cutover bog; leaving bog	PM
SN004	Hen Harrier Roost Survey; HHVP3	27/10/2021	18:52	Snipe	8	cutover bog; leaving bog, 8 separate birds heard leaving bog	PM
SN005	Hen Harrier Roost Survey; HHVP2	28/10/2021	18:46	Snipe	7	cutover bog; flew from bog, heading to feed, 7 separate birds heard leaving bog	PM
SN006	Hen Harrier Roost Survey; HHVP1	17/11/2021	07:00	Snipe	3	cutover bog; calling, at least 3 calling around the vantage point	PC
SN007	Hen Harrier Roost Survey; HHVP2	02/12/2021	09:07	Snipe	10	bogs; calling, 10 occurrences of snipe calling in the dark during hen harrier survey	PC
SN008	Hen Harrier Roost Survey; HHVP3	06/12/2021	09:30	Snipe	4	bogs; calling, occurrences of birds calling during entire survey	PC
SN009	Hen Harrier Roost Survey; HHVP1	08/12/2021	17:06	Snipe	3	bogs; flushed, total number flushed during survey	PC
SN010	Hen Harrier Roost Survey; HHVP4	16/12/2021	07:22	Snipe	1	bogs; calling, calling in the darkness	PC
SN011	Hen Harrier Roost Survey; HHVP3	19/01/2022	09:00	Snipe	4	bogs; calling, total number heard during survey	PC
SN012	Hen Harrier Roost Survey; HHVP2	02/02/2022	11:52	Snipe	8	bogs; calling, total number of birds heard calling or flushed during survey	PC
SN013	Hen Harrier Roost Survey; HHVP3	11/02/2022	11:10	Snipe	5	bogs; calling, total number heard calling during survey	PC
SN014	Vantage Point Survey; Behind VP2	04/04/2022	07:13	Snipe	2	bogs; flushed	PC
SN015	Vantage Point Survey; VP1	05/04/2022	06:00	Snipe	2	bogs; flushed, flushed from bog road on arrival	PC

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Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN020	Breeding Raptor Survey; BR2	01/07/2022	10:03	Snipe	1	bogs; perched, standing on top of telegraph pole!	PC
SN021	Hen Harrier Roost Survey; HHVP3	03/10/2022	08:42	Snipe	2	bogs; travelling, flew over early in morning, still too dark to see	PC
SN022	Hen Harrier Roost Survey; HHVP4	14/10/2022	09:28	Snipe	8	bogs; calling, total number heard or glimpsed flying around the bog as the sun came up	PC
SN023	Hen Harrier Roost Survey; HHVP2	07/11/2022	09:09	Snipe	1	bogs; travelling, heard calling in the dark	PC
SN024	Hen Harrier Roost Survey; HHVP3	09/11/2022	08:38	Snipe	6	bogs; calling, heard in dark	PC
SN025	Hen Harrier Roost Survey; HHVP1	16/11/2022	06:47	Snipe	2	bogs; calling, calling overhead in the dark	PC
SN026	Hen Harrier Roost Survey; HHVP4	02/12/2022	07:48	Snipe	1	bogs; calling, heard not seen	PC
SN027	Hen Harrier Roost Survey; HHVP2	19/12/2022	17:00	Snipe	1	upland blanket bog; leaving bog	PM
SN028	Hen Harrier Roost Survey; HHVP3	06/01/2023	10:45	Snipe	11	bogs; calling, total calls counted during survey.	PC
SN029	Hen Harrier Roost Survey; HHVP4	25/01/2023	10:51	Snipe	1	bogs; calling, I mapped this when I did the survey, but the record has disappeared from QGIS. this is a re-entry of the sighting.	PC
SN030	Hen Harrier Roost Survey; HHVP1	03/02/2023	07:20	Snipe	1	bogs; calling	PC
SN031	Hen Harrier Roost Survey; HHVP2	16/02/2023	09:04	Snipe	2	bogs; flushed	PC
SN032	Breeding Woodcock Survey; Killimor River	06/06/2023	21:50	Snipe	1	watercourses and bogs; flushed	PC
SN034	Breeding Raptor Survey; BR1	21/07/2023	07:52	Snipe	1	bogs; calling, heard not seen	PC
SN035	Vantage Point Survey; vp2	28/09/2023	10:42	Snipe	2	bogs; travelling, followed previous 2 snipe	PC
SN036	Hen Harrier Roost Survey; Lenamore	02/10/2023	10:12	Snipe	28	bogs; travelling, total number heard or seen during survey	PC
SN037	Vantage Point Survey; Lenamore	10/10/2023	14:38	Snipe	5	bogs; travelling	PC
SN038	Hen Harrier Roost Survey; HHVP2	18/10/2023	18:45	Snipe	1	cutover bog; travelling	LL
SN039	Hen Harrier Roost Survey; HHVP2	18/10/2023	18:51	Snipe	2	cutover bog; travelling	LL
SN040	Hen Harrier Roost Survey; HHVP2	18/10/2023	18:52	Snipe	1	cutover bog; travelling, erupted off of bog	LL

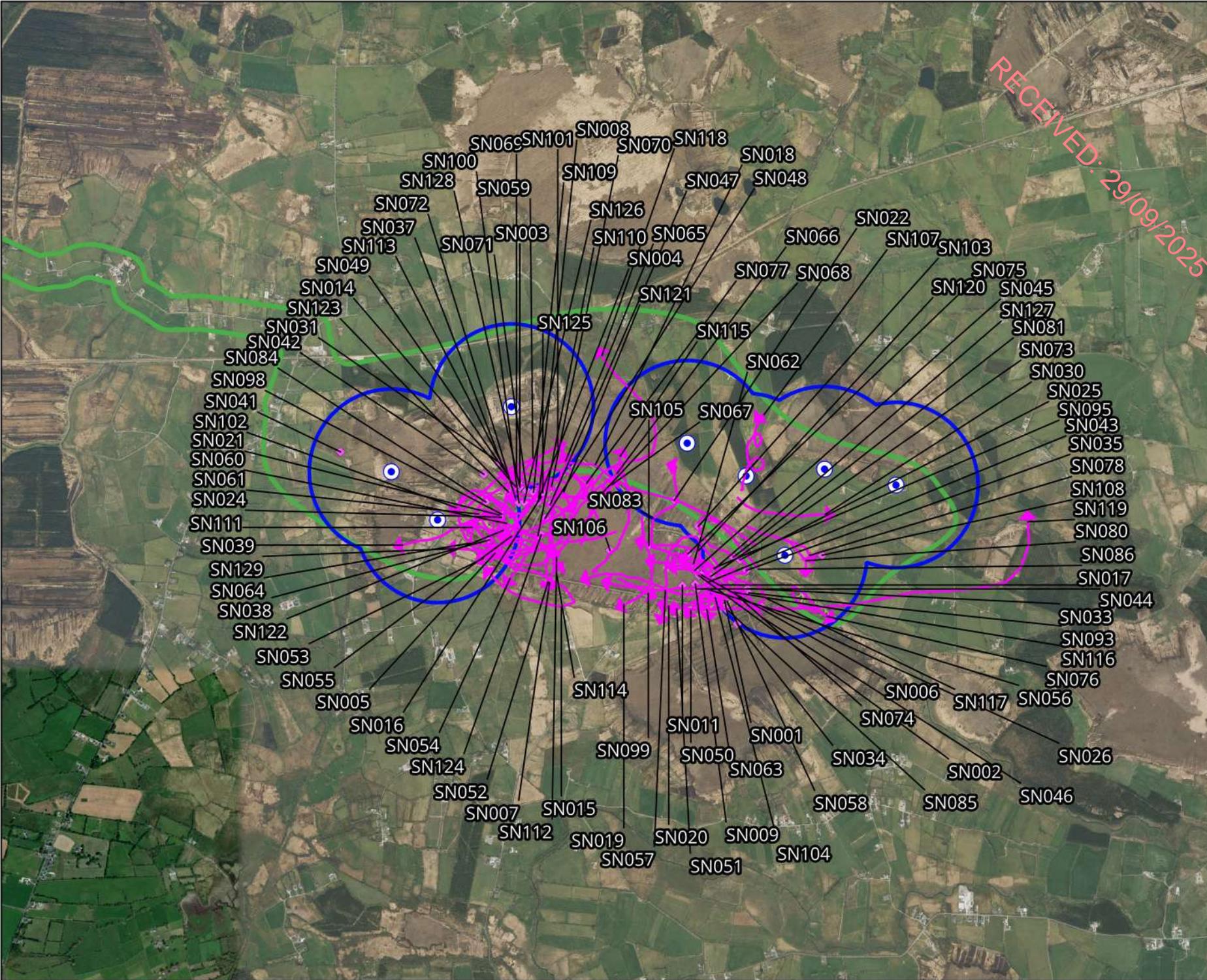
Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN04 1	Hen Harrier Roost Survey; HHVP2	18/10/202 3	19:00	Snipe	1	cutover bog; travelling	LL
SN04 2	Hen Harrier Roost Survey; HHVP2	18/10/202 3	18:54	Snipe	1	cutover bog; travelling, rose from bog	LL
SN04 3	Hen Harrier Roost Survey; HHVP4	24/11/202 3	10:00	Snipe	6	bogs; calling, total number heard calling	PC
SN04 4	Hen Harrier Roost Survey; HHVP6	28/11/202 3	17:38	Snipe	2	bogs; flushed, heard calling but not seen, seemed to be flushed by the ringtail hen harrier	PC
SN04 5	Hen Harrier Roost Survey; HHVP4	26/01/202 4	17:53	Snipe	4	bogs; calling	SB
SN04 6	Hen Harrier Roost Survey; HHVP4	26/01/202 4	17:57	Snipe	7	bogs; calling	SB
SN04 7	Breeding Raptor Survey; BR1	12/04/202 4	07:49	Snipe	1	bogs; flushed	PC
SN04 8	Breeding Woodcock Survey; Killimor Bog	01/05/202 4	21:36	Snipe	5	bogs; travelling, calling	PC
SN04 9	Breeding Woodcock Survey; Killimor Bog	01/05/202 4	21:37	Snipe	2	bogs; travelling, calling	PC
SN05 0	Breeding Raptor Survey; BR1	04/06/202 4	08:37	Snipe	1	bogs; calling, heard not seen	PC
SN05 2	Breeding Raptor Survey; BR1	04/07/202 4	12:25	Snipe	1	bogs; travelling	PC
SN05 3	Vantage Point Survey; VP2	16/10/202 4	16:52	Snipe	1	bogs; travelling, calling	PC
SN05 4	Hen Harrier Roost Survey; HHVP7	22/10/202 4	19:15	Snipe	6	bogs; calling, at least 6 heard calling over bog in the darkness	PC
SN05 5	Hen Harrier Roost Survey; HHVP7	08/11/202 4	12:25	Snipe	1	bogs; calling, heard only	ZE
SN05 6	Hen Harrier Roost Survey; HHVP7	08/11/202 4	16:33	Snipe	1	bogs; flying, calling	ZE
SN05 7	Hen Harrier Roost Survey; HHVP7	08/11/202 4	17:19	Snipe	1	bogs; calling, heard only	ZE
SN05 8	Hen Harrier Roost Survey; HHVP4	12/11/202 4	16:44	Snipe	2	bogs; calling	CG
SN05 9	Hen Harrier Roost Survey; HHVP2	21/11/202 4	17:06	Snipe	2	bogs; calling	ZOC
SN06 0	Hen Harrier Roost Survey; HHVP3	25/11/202 4	17:07	Snipe	2	bogs; flying, calling	ZOC
SN06 1	Hen Harrier Roost Survey; HHVP3	03/12/202 4	16:57	Snipe	1	bogs; calling	ZOC

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Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN06 2	Hen Harrier Roost Survey; HHVP4	04/12/202 4	14:56	Snipe	1	bogs; flying	ZOC
SN06 3	Hen Harrier Roost Survey; Killimor	06/12/202 4	17:10	Snipe	1	cutover bog; flying, calling	FLM
SN06 4	Hen Harrier Roost Survey; HHVP7	11/12/202 4	16:50	Snipe	2	bogs; flying, calling	ZOC
SN06 5	Hen Harrier Roost Survey; HHVP7	11/12/202 4	17:03	Snipe	3	bogs; calling	ZOC
SN06 6	Hen Harrier Roost Survey; HHVP6	12/12/202 4	16:59	Snipe	1	bogs; flying, calling	ZOC
SN06 7	Hen Harrier Roost Survey; HHVP6	16/01/202 5	17:34	Snipe	1	bogs; commuting, calling	CG
SN06 8	Hen Harrier Roost Survey; HHVP3	24/02/202 5	18:41	Snipe	1	cutover bog; calling	CG
SN06 9	Hen Harrier Roost Survey; HHVP6	27/02/202 5	19:00	Snipe	1	bogs; calling	CG
SN07 0	Hen Harrier Roost Survey; HHVP1	03/03/202 5	18:52	Snipe	1	cutover bog; calling	CG
SN07 1	Hen Harrier Roost Survey; HHVP2	05/03/202 5	18:50	Snipe	1	cutover bog; calling	CG
SN07 3	Hen Harrier Roost Survey; HHVP3	10/03/202 5	19:04	Snipe	1	cutover bog; calling	CG
SN07 5	Hen Harrier Roost Survey; HHVP4	13/03/202 5	19:17	Snipe	1	bogs; calling	CG
SN07 7	Hen Harrier Roost Survey; HHVP7	18/03/202 5	19:27	Snipe	1	bogs; commuting, calling	CG



- ### Map Legend
- EIAR Site Boundary
 - Proposed Turbine Layout
 - 500m Buffer of Proposed Turbine Layout
 - Flightline
 - ◆ Observation

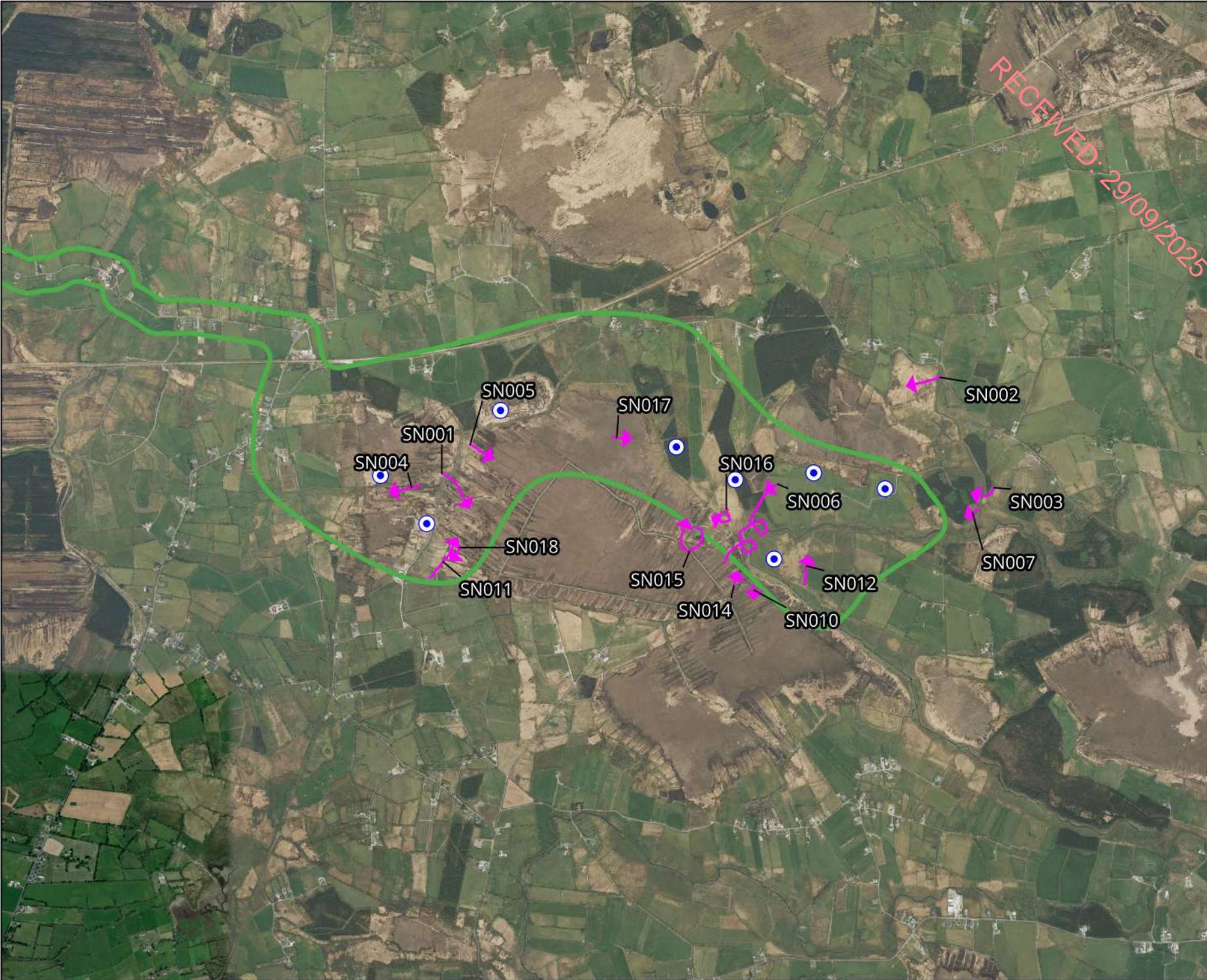
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Drawing Title Snipe Observations Vantage Point Surveys	
Project Title Gannow Renewable Energy Development	
Drawn By CC	Checked By PM
Project No. 240323	Drawing No. Fig 7-4-52
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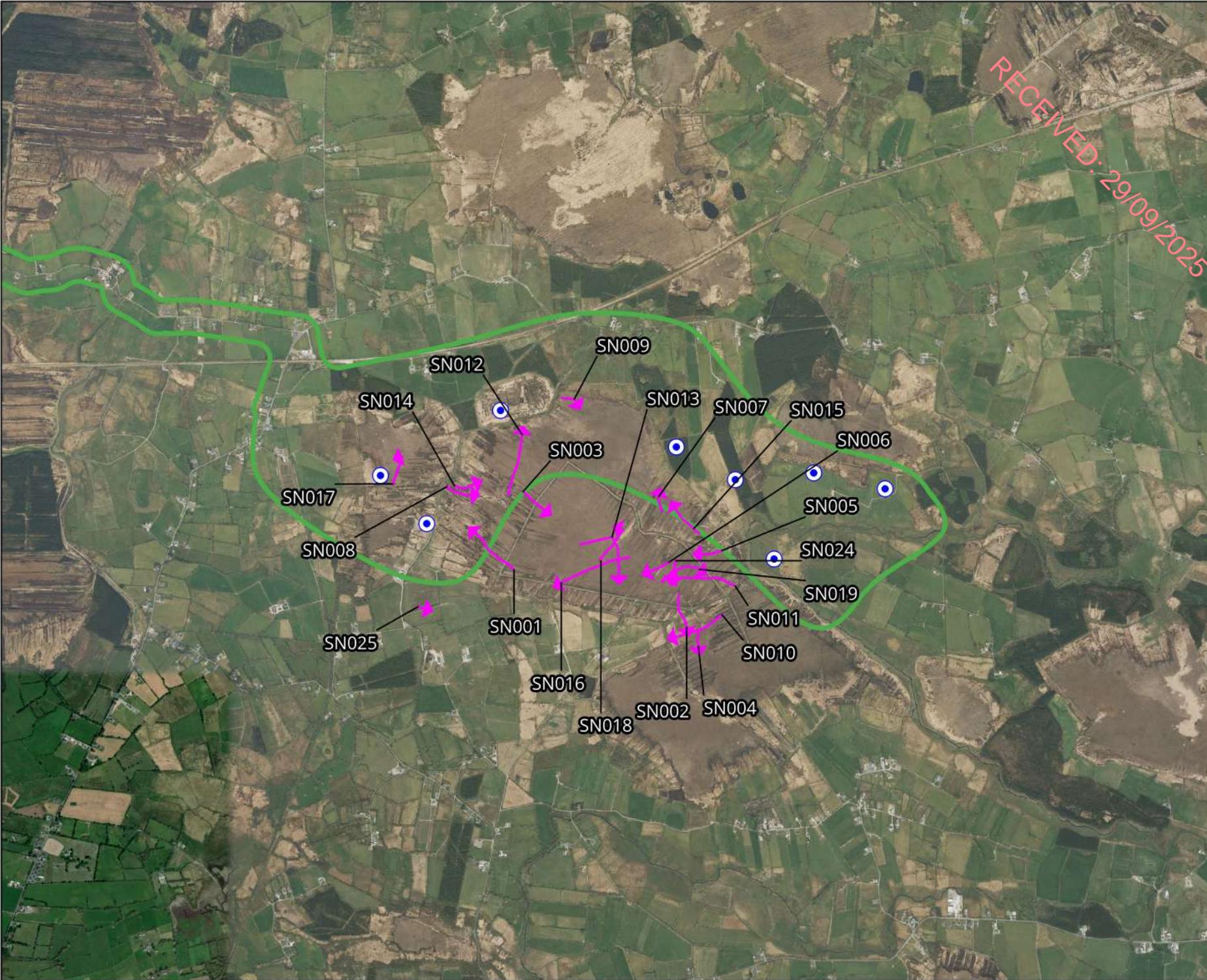


Drawing Title	
Snipe Observations Breeding Walkover Survey	
Project Title	
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Drawn By	Checked By
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Project No.	Drawing No.
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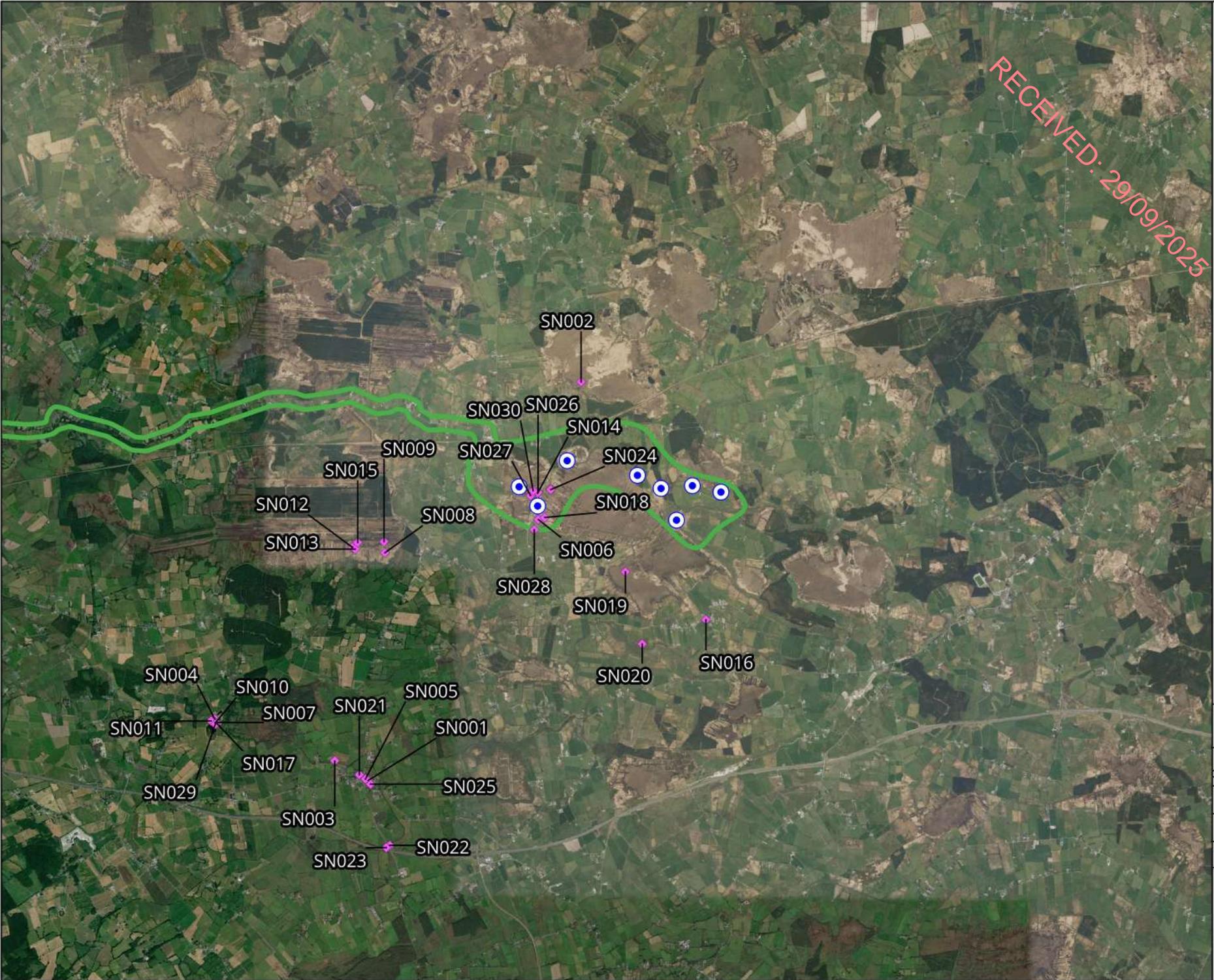


Drawing Title Snipe Observations Winter Walkover Survey	
Project Title Gannow Renewable Energy Development	
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Project No. 240323	Drawing No. Fig 7-4-54
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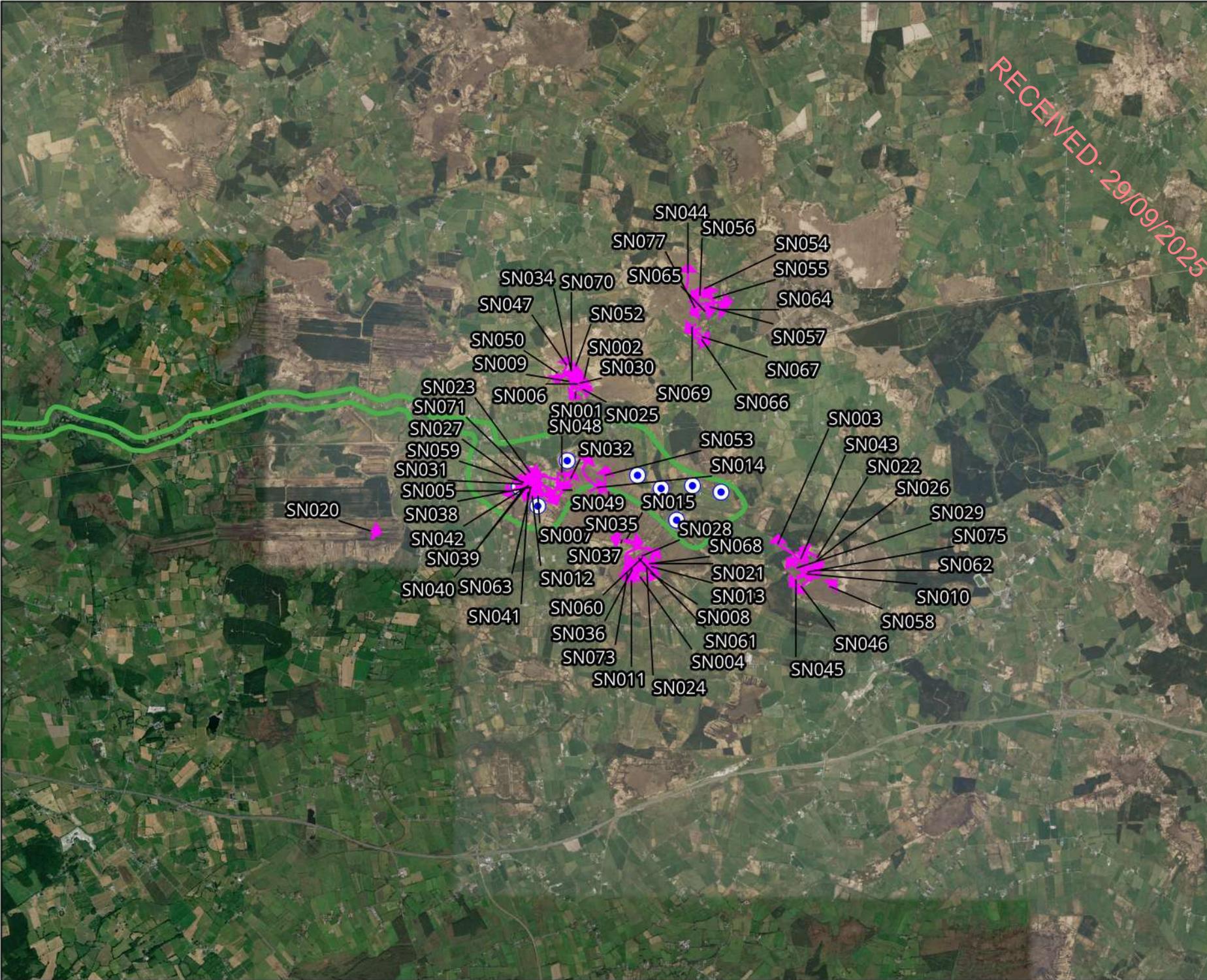
- Map Legend**
-  EIAR Site Boundary
 -  Proposed Turbine Layout
 -  Observation



Drawing Title	
Snipe Observations Waterbird Distribution Survey	
Project Title	
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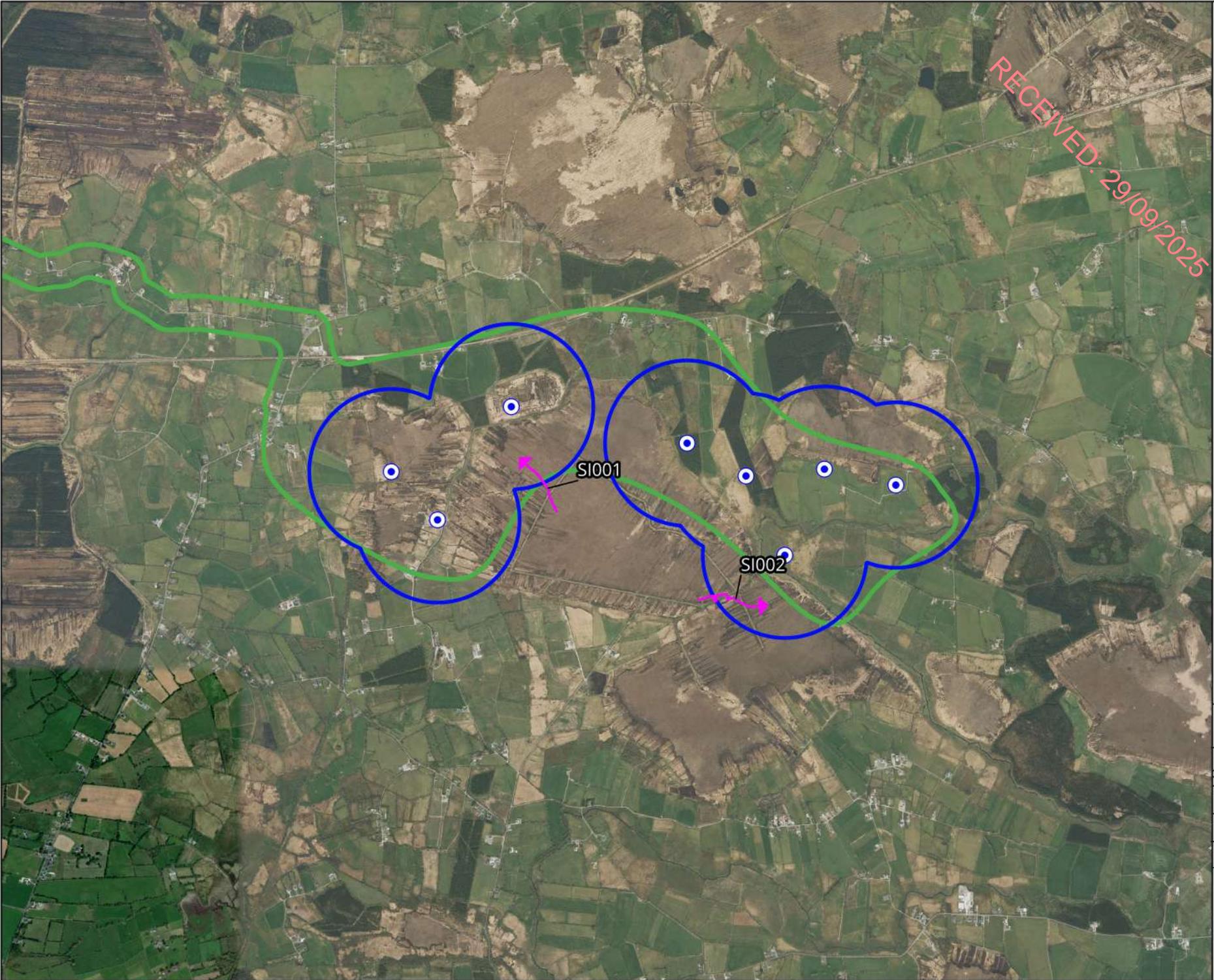
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15.

SWIFT

Table 7 - 4 - 57 Swift vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
SI001	VP2	20/07/2022	10:53	Swift	3	25	0	25	0	0	bogs; travelling	PC
SI002	VP1	24/07/2023	11:39	Swift	1	55	0	0	55	0	bogs; travelling	PC



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 -  Flightline



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Swift Observations Vantage Point Surveys	
Project Title	
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Drawn By	Checked By
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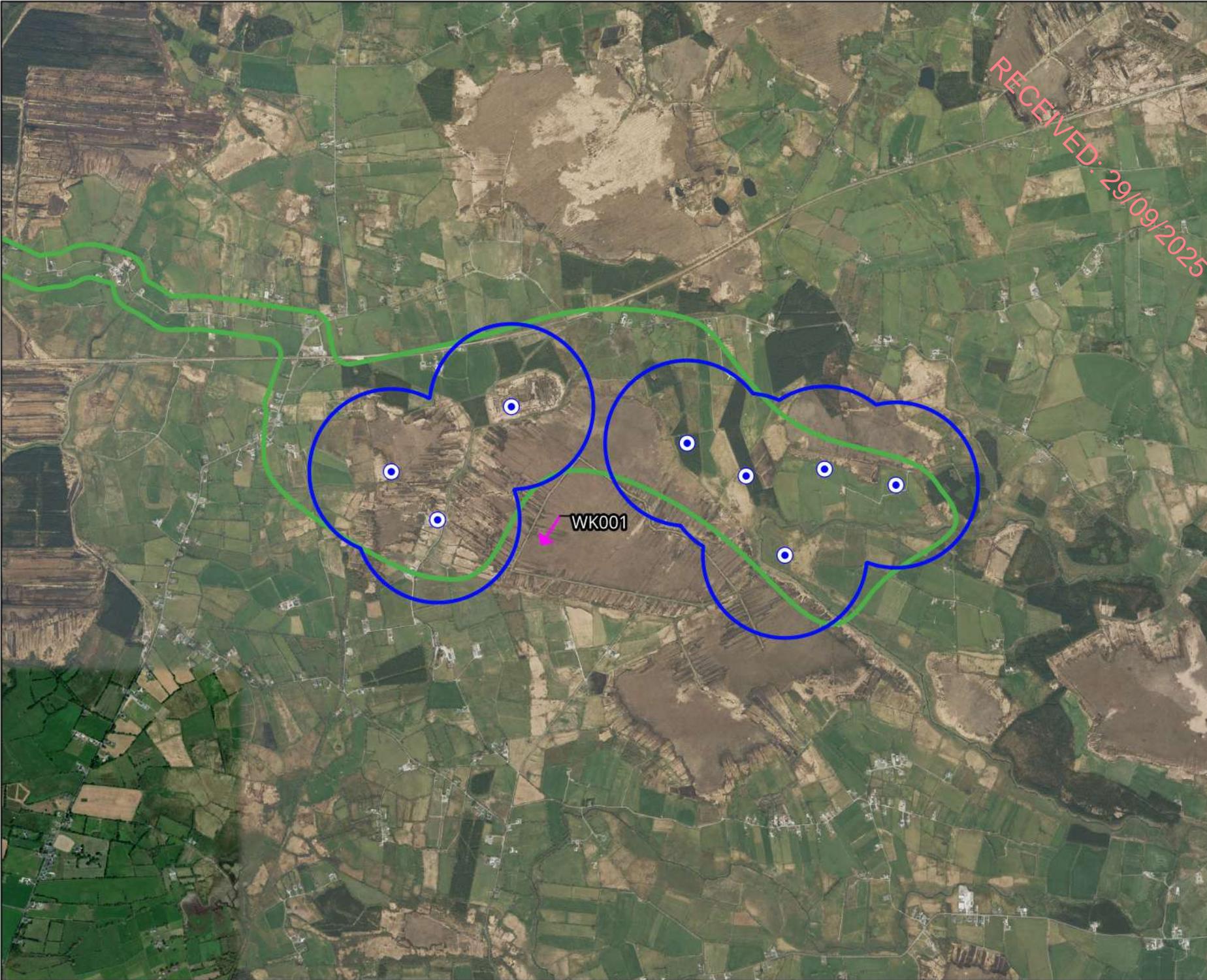
WOODCOCK

Table 7- 4- 58 Woodcock vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
WK001	VP2	16/01/2024	07:52	Woodcock	1	10	10	0	0	0	bogs; travelling	PC

Table 7- 4- 59 Woodcock incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WK001	Hen Harrier Roost Survey; HHVP4	19/11/2021	07:30	Woodcock	1	bogs and conifer plantation; travelling, flew over my head	PC
WK002	Hen Harrier Roost Survey; HHVP4	16/12/2021	08:05	Woodcock	1	bogs and conifer plantation; travelling, flew up from bog just in front of me, missing me by about 4ft. dropped into plantation behind me.	PC
WK003	Hen Harrier Roost Survey; HHVP1	14/01/2022	10:49	Woodcock	1	bogs; travelling	PC
WK004	Hen Harrier Roost Survey; HHVP4	27/01/2022	08:10	Woodcock	1	conifer plantation and bogs; flushed, flushed from edge of plantation	PC
WK005	Hen Harrier Roost Survey; HHVP2	02/02/2022	11:53	Woodcock	1	bogs; flushed, flushed from side of bog road	PC
WK006	Hen Harrier Roost Survey; Gannow access road	07/03/2022	06:15	Woodcock	2	bogs; flushed, one flew over car as I arrived on site, followed by second	PC
WK007	Hen Harrier Roost Survey; HHVP4	24/11/2023	07:20	Woodcock	1	conifer plantation and bogs; flushed	PC
WK008	Hen Harrier Roost Survey; Clooncah	18/01/2024	15:20	Woodcock	1	conifer plantation; flushed	PC
WK009	Hen Harrier Roost Survey; HHVP6	16/01/2025	16:56	Woodcock	1	bogs and scrub; commuting	CG



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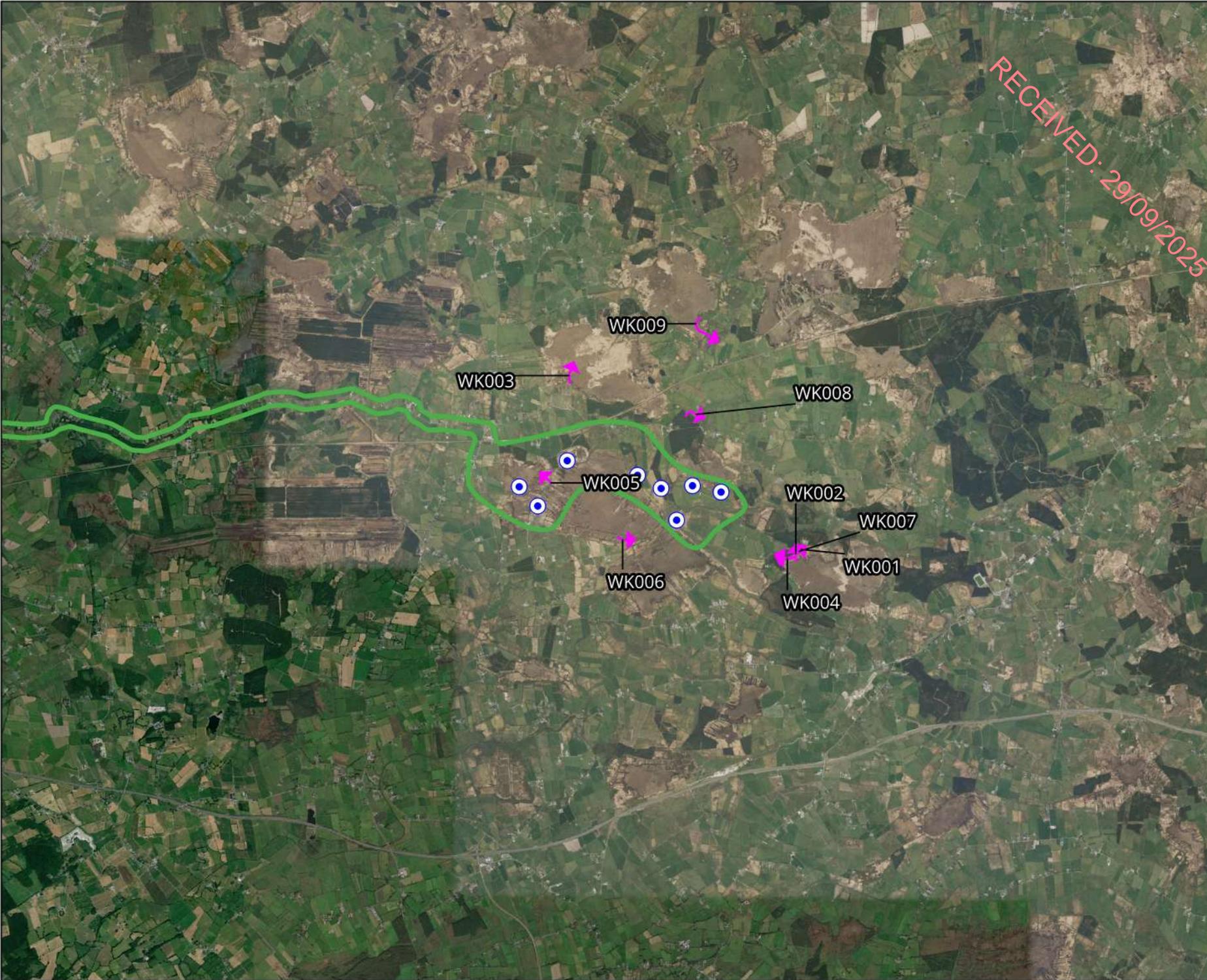


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Woodcok Observations Vantage Point Surveys	
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Woodcock Incidental Observations	
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BUZZARD

Table 7 - 4 - 60 Buzzard vantage point survey data

Ref. ³	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ001	VP2	27/09/2021	16:22	Buzzard	1	83	0	16	67	0	bogs and highly modified/non-native woodland; soaring	TR
BZ002	VP1	05/10/2021	08:41	Buzzard	1	52	52	0	0	0	bogs, improved grassland and highly modified/non-native woodland; travelling, low flight below tree level. lost against background.	PC
BZ003	VP1	24/11/2021	13:20	Buzzard	1	220	0	0	220	0	bogs and improved grassland; travelling	PC
BZ004	VP1	24/11/2021	13:31	Buzzard	1	20	20	0	0	0	highly modified/non-native woodland and improved grassland; hunting, hovering briefly in front of forestry	PC
BZ005	VP2	16/03/2022	13:22	Buzzard	1	180	0	0	60	120	bogs; travelling, mobbed the white-tailed eagle. didn't see where it went, was following white-tailed eagle	PC
BZ007	VP1	29/03/2022	18:15	Buzzard	1	384	0	0	160	224	bogs; travelling, came up behind sparrowhawk, lost against very bright sky	PC
BZ008	VP1	25/05/2022	16:47	Buzzard	1	28	0	28	0	0	conifer plantation; travelling	PC
BZ009	VP1	25/05/2022	16:49	Buzzard	1	184	15	112	57	0	conifer plantation and bogs; travelling	PC
BZ010	VP2	25/05/2022	19:52	Buzzard	1	-	-	-	-	-	semi-natural woodland; calling, heard not seen so location is best guess	PC
BZ012	VP2	03/06/2022	11:16	Buzzard	2	83	0	83	0	0	treelines; travelling, came up with another pair.	PC
BZ014	VP2	03/06/2022	11:19	Buzzard	1	164	30	120	14	0	treelines; travelling, came up with other buzzard to chase off pair that headed west. settled in tree whilst other bird soared overhead.	PC
BZ015	VP2	03/06/2022	12:33	Buzzard	1	145	0	0	145	0	treelines and improved agricultural grassland; travelling	PC
BZ016	VP1	18/07/2022	12:00	Buzzard	1	16	0	0	16	0	bogs; travelling	PC
BZ017	VP2	20/07/2022	07:04	Buzzard	1	34	34	0	0	0	bogs; travelling, flew low across bog then settled on tree	PC

³ Please note labels are not provided on the associated map due to the number of observations being presented, this allows the distribution of activity to be more clearly visible.

Ref. ^a	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ018	VP1	26/07/2022	09:01	Buzzard	1	63	0	63	0	0	conifer plantation; travelling, travelling low over forestry	PC
BZ019	VP1	13/10/2022	11:52	Buzzard	1	35	0	0	35	0	conifer plantation; travelling, lost against clouds	PC
BZ020	VP1	13/10/2022	12:23	Buzzard	1	15	0	0	15	0	conifer plantation; travelling, briefly seen in distance	PC
BZ021	VP2	10/11/2022	12:08	Buzzard	1	245	0	0	245	0	bogs; hunting, hovering in strong wind	PC
BZ022	VP2	10/11/2022	13:24	Buzzard	1	125	0	0	125	0	highly modified/non-native woodland and bogs; travelling	PC
BZ023	VP1	23/11/2022	15:13	Buzzard	1	63	0	63	0	0	bogs and conifer plantation; hovering, bird hanging in breeze then dropped towards forestry. lost against dark background.	PC
BZ024	VP1	05/01/2023	14:32	Buzzard	1	28	0	28	0	0	conifer plantation; travelling	PC
BZ025	VP2	11/01/2023	12:17	Buzzard	1	57	0	0	57	0	bogs; travelling, occasionally hovering	PC
BZ026	VP1	27/02/2023	11:49	Buzzard	1	38	13	25	0	0	conifer plantation and bogs; travelling, settled in forestry, visible from vp1	PC
BZ027	VP1	27/02/2023	12:17	Buzzard	1	143	28	59	56	0	conifer plantation and bogs; travelling, same bird as before, saw leave its perch	PC
BZ028	VP1	21/03/2023	12:39	Buzzard	1	38	10	28	0	0	conifer plantation; travelling	PC
BZ029	VP1	21/03/2023	12:42	Buzzard	1	10	10	0	0	0	conifer plantation; travelling, spotted briefly when watching first buzzard	PC
BZ030	VP1	21/03/2023	14:14	Buzzard	1	565	0	0	565	0	conifer plantation; travelling, lost behind forestry	PC
BZ031	VP1	21/03/2023	14:15	Buzzard	1	480	0	0	480	0	conifer plantation; travelling, in air with another buzzard, hanging in the air before birds split up	PC
BZ032	VP1	21/03/2023	14:19	Buzzard	2	155	0	0	155	0	conifer plantation; travelling, probably same birds, further away	PC
BZ033	VP1	21/03/2023	15:25	Buzzard	1	115	0	115	0	0	conifer plantation; travelling	PC
BZ034	VP1	06/04/2023	10:00	Buzzard	1	250	0	0	160	90	conifer plantation and improved grassland; travelling	PC
BZ035	VP1	06/04/2023	10:40	Buzzard	2	650	0	0	560	90	bogs and conifer plantation; travelling	PC
BZ036	VP1	06/04/2023	10:42	Buzzard	1	250	0	0	160	90	bogs; travelling, joined pair already in the air	PC
BZ037	VP1	06/04/2023	10:44	Buzzard	1	120	0	0	90	30	bogs; travelling, joined previous 3 in the air	PC
BZ038	VP1	06/04/2023	10:58	Buzzard	2	570	0	0	570	0	bogs and conifer plantation; travelling	PC
BZ039	VP1	06/04/2023	10:59	Buzzard	2	117	0	0	117	0	bogs; travelling, joined previous pair in air	PC

Ref. ^a	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ040	VP1	06/04/2023	11:01	Buzzard	3	25	0	0	0	25	bogs; travelling, picked up high in sky whilst watching previous pairs	PC
BZ041	VP1	06/04/2023	11:40	Buzzard	2	360	0	100	260	0	conifer plantation; travelling	PC
BZ042	VP1	06/04/2023	11:42	Buzzard	2	598	0	0	598	0	conifer plantation and improved grassland; travelling, in air with previous pair	PC
BZ043	VP1	06/04/2023	11:59	Buzzard	3	210	0	0	210	0	conifer plantation and improved grassland; travelling, quite distant	PC
BZ044	VP1	06/04/2023	12:06	Buzzard	1	42	0	0	42	0	conifer plantation; travelling, quite distant	PC
BZ045	VP1	06/04/2023	12:16	Buzzard	1	535	0	0	35	500	bogs; travelling	PC
BZ046	VP1	06/04/2023	12:17	Buzzard	3	17	0	17	0	0	conifer plantation; travelling	PC
BZ047	VP2	21/04/2023	12:23	Buzzard	1	560	0	0	280	280	bogs and linear woodland/scrub; travelling	PC
BZ048	VP1	11/05/2023	15:16	Buzzard	1	191	11	180	0	0	conifer plantation and improved agricultural grassland; travelling	PC
BZ049	VP1	11/05/2023	15:18	Buzzard	2	175	0	175	0	0	improved agricultural grassland and conifer plantation; travelling	PC
BZ050	VP1	11/05/2023	15:41	Buzzard	1	120	0	120	0	0	conifer plantation; travelling	PC
BZ051	VP1	11/05/2023	15:53	Buzzard	1	92	0	92	0	0	conifer plantation; travelling	PC
BZ052	VP1	11/05/2023	16:02	Buzzard	1	115	0	0	115	0	bogs and conifer plantation; travelling	PC
BZ053	VP1	11/05/2023	17:39	Buzzard	1	49	0	0	49	0	conifer plantation; travelling	PC
BZ054	VP2	15/05/2023	16:12	Buzzard	1	140	0	100	40	0	bogs and improved agricultural grassland; mobbed, mobbed by hooded crow	PC
BZ055	VP2	15/05/2023	16:34	Buzzard	1	130	0	130	0	0	bogs and conifer plantation; travelling	PC
BZ056	VP2	15/05/2023	18:56	Buzzard	1	1520	0	0	1000	520	bogs and conifer plantation; hunting, mob by hooded crow twice	PC
BZ057	VP2	15/05/2023	19:40	Buzzard	1	115	115	0	0	0	bogs and conifer plantation; hunting, perched for 10s then mob	PC
BZ058	VP2	20/06/2023	10:03	Buzzard	1	660	0	660	0	0	bogs and conifer plantation; hunting, lots of hovering so presumably it was hunting	PC
BZ059	VP2	20/06/2023	11:15	Buzzard	1	500	0	60	440	0	highly modified/non-native woodland; travelling	PC
BZ060	VP2	20/06/2023	11:16	Buzzard	2	175	0	30	145	0	bogs and highly modified/non-native woodland; travelling, single buzzard came over so all 3 were in air together for short while	PC
BZ061	VP2	20/06/2023	11:18	Buzzard	1	30	0	30	0	0	highly modified/non-native woodland; travelling, 4th bird briefly seen over trees in	PC

Ref. ^a	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
											distance, timing is an estimate as I was timing the other 3 buzzard	
BZ062	VP2	20/06/2023	11:37	Buzzard	1	295	0	50	245	0	highly modified/non-native woodland and bogs; travelling	PC
BZ063	VP2	25/07/2023	10:36	Buzzard	1	105	0	0	105	0	cutover bog and conifer plantation; travelling	PC
BZ064	VP2	25/07/2023	10:47	Buzzard	1	80	15	65	0	0	highly modified/non-native woodland; travelling, seemed to get into small wood on treeline	PC
BZ065	VP2	25/07/2023	10:59	Buzzard	1	210	0	0	210	0	conifer plantation and improved grassland; travelling, lost against bright clouds	PC
BZ066	VP2	25/07/2023	11:14	Buzzard	1	25	0	25	0	0	highly modified/non-native woodland; travelling, divebombed by what looked like a kestrel and dropped into forestry	PC
BZ067	VP2	25/07/2023	11:42	Buzzard	1	332	0	70	262	0	highly modified/non-native woodland and bogs; travelling, settled in trees	PC
BZ068	VP2	25/07/2023	11:43	Buzzard	1	-	-	-	-	-	highly modified/non-native woodland; perched, second bird spotted after first bird settled	PC
BZ069	VP2	25/07/2023	12:37	Buzzard	2	211	0	0	211	0	conifer plantation; travelling	PC
BZ070	VP2	23/08/2023	11:03	Buzzard	1	127	0	0	127	0	highly modified/non-native woodland; travelling, distant sighting, hard to pinpoint accurately on map	PC
BZ071	VP2	23/08/2023	12:16	Buzzard	1	40	0	40	0	0	conifer plantation; travelling	PC
BZ072	VP1	10/10/2023	16:42	Buzzard	1	246	0	246	0	0	conifer plantation and improved grassland; travelling, hovering occasionally	PC
BZ073	VP2	12/10/2023	13:53	Buzzard	2	309	0	0	309	0	bogs; travelling	PC
BZ074	VP2	12/10/2023	15:11	Buzzard	2	955	0	50	905	0	bogs and conifer plantation; travelling	PC
BZ075	VP2	15/11/2023	11:14	Buzzard	1	92	0	0	92	0	bogs and conifer plantation; flying	PC
BZ076	VP2	15/11/2023	12:02	Buzzard	1	90	0	50	40	0	conifer plantation and improved agricultural grassland; flying, mobbed by rook	PC
BZ077	VP2	15/11/2023	12:25	Buzzard	1	194	0	194	0	0	highly modified/non-native woodland and scrub/transitional woodland; travelling, mobbed by smaller bird, possibly sparrowhawk or kestrel	PC
BZ078	VP2	15/11/2023	12:47	Buzzard	2	-	-	-	-	-	bogs and scrub/transitional woodland; calling, heard, not seen	PC
BZ079	VP2	16/01/2024	08:32	Buzzard	1	42	42	0	0	0	bogs and treelines; travelling	PC

Ref. ^a	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ080	VP2	16/01/2024	12:55	Buzzard	1	338	0	0	338	0	treelines, bogs and conifer plantation; travelling	PC
BZ081	VP1	12/02/2024	12:49	Buzzard	1	34	0	0	34	0	conifer plantation; travelling	PC
BZ082	VP1	12/02/2024	12:52	Buzzard	1	280	0	0	280	0	conifer plantation; soaring, mobbed by sparrowhawk	PC
BZ083	VP1	12/02/2024	13:04	Buzzard	1	90	0	90	0	0	conifer plantation; travelling	PC
BZ084	VP1	12/02/2024	13:34	Buzzard	1	795	0	0	795	0	conifer plantation and bogs; soaring, hanging in wind	PC
BZ085	VP1	12/02/2024	14:38	Buzzard	1	7	0	7	0	0	conifer plantation and bogs; chased, mobbed by hooded crow, chased into forestry	PC
BZ086	VP1	12/02/2024	16:20	Buzzard	1	245	0	245	0	0	bogs and conifer plantation; soaring	PC
BZ087	VP2	13/02/2024	12:37	Buzzard	1	26	0	26	0	0	highly modified/non-native woodland; travelling, flew over forestry and landed on pole.	PC
BZ088	VP2	13/02/2024	13:05	Buzzard	1	26	26	0	0	0	treelines; travelling	PC
BZ089	VP1	05/06/2024	10:43	Buzzard	1	104	0	15	89	0	conifer plantation and improved agricultural grassland; travelling, occasionally hovering, then mobbed and chased off by a raven	PC
BZ090	VP1	05/06/2024	11:26	Buzzard	1	14	0	14	0	0	conifer plantation; travelling, came up from forestry, then dropped again	PC
BZ091	VP2	17/06/2024	11:18	Buzzard	1	155	0	25	130	0	conifer plantation and improved agricultural grassland; soaring, spotted at same time as kestrel. lost in low cloud.	PC
BZ092	VP1	02/07/2024	11:00	Buzzard	1	181	0	0	181	0	improved agricultural grassland; travelling	PC
BZ093	VP1	02/07/2024	11:01	Buzzard	1	426	0	206	220	0	bogs and conifer plantation; soaring, dropped into forestry	PC
BZ094	VP1	02/07/2024	11:25	Buzzard	2	540	0	0	540	0	bogs and conifer plantation; soaring, lost against bright sky	PC
BZ095	VP1	02/07/2024	11:26	Buzzard	1	91	0	91	0	0	conifer plantation; soaring, picked up after I lost sight of the pair, so probably one of those birds. lost behind forestry.	PC
BZ096	VP1	02/07/2024	11:27	Buzzard	1	55	0	0	55	0	conifer plantation and improved agricultural grassland; soaring, possibly one of the earlier pair.	PC
BZ097	VP1	02/07/2024	11:28	Buzzard	5	155	0	0	155	0	bogs; soaring, calling, heard calling first. seemed to be two pairs soaring together with another bird above them.	PC

Ref. ^a	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ098	VP1	02/07/2024	12:34	Buzzard	1	9	9	0	0	0	conifer plantation and scrub/transitional woodland; travelling, flew out of forestry into scrub, lost behind trees and bushes	PC
BZ099	VP1	26/08/2024	10:54	Buzzard	1	288	0	28	260	0	conifer plantation, scrub and linear woodland/scrub; hovering, soaring, mobbed, mobbed and chased into trees by peregrine. dropped rapidly to avoid falcon.	PC
BZ100	VP1	26/08/2024	11:45	Buzzard	1	12	0	12	0	0	conifer plantation; travelling, briefly seen after watching the previous kestrel. dropped into forestry.	PC
BZ101	VP1	24/09/2024	07:56	Buzzard	1	17	17	0	0	0	bogs and linear woodland/scrub; travelling	PC
BZ102	VP1	24/09/2024	07:57	Buzzard	1	15	0	15	0	0	improved agricultural grassland and linear woodland/scrub; travelling	PC
BZ103	VP1	24/09/2024	10:55	Buzzard	1	21	16	5	0	0	conifer plantation and scrub; travelling	PC
BZ104	VP1	02/10/2024	13:54	Buzzard	1	259	95	164	0	0	bogs and scrub; hunting, hovering, bird had a couple of white primaries on left wing. think I had the same bird here last summer.	PC
BZ105	VP1	02/10/2024	14:19	Buzzard	1	319	15	35	269	0	conifer plantation and improved agricultural grassland; hunting, hovering, soaring, lost against bright clouds	PC
BZ106	VP1	02/10/2024	14:45	Buzzard	1	24	0	24	0	0	conifer plantation; gliding, dropped into forestry	PC
BZ107	VP1	02/10/2024	15:17	Buzzard	1	128	0	0	128	0	bogs and improved agricultural grassland; soaring, distant sighting so hard to tell where it was	PC
BZ108	VP1	02/10/2024	16:17	Buzzard	1	305	35	270	0	0	conifer plantation, improved agricultural grassland and scrub; soaring, hovering, hunting, dropped into trees	PC
BZ109	VP2	18/11/2024	11:07	Buzzard	1	8	8	0	0	0	short rotation coppice and bogs; mobbed, travelling, chased by hooded crow. seemed to drop into scrub but couldn't really see where it went	PC
BZ110	VP2	18/11/2024	11:53	Buzzard	1	10	10	0	0	0	bogs; mobbed, travelling, was being mobbed by a hooded crow. flew past the male hen harrier and flushed it so I followed the harrier rather than the buzzard.	PC
BZ111	VP1	02/01/2025	09:30	Buzzard	1	43	43	0	0	0	conifer plantation and scrub; travelling, settled in tree	PC

Ref. ^a	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ112	VP1	02/01/2025	13:11	Buzzard	1	15	15	0	0	0	highly modified/non-native woodland; flushed, travelling, flushed from tree by 2 rooks	PC
BZ113	VP2	27/01/2025	10:24	Buzzard	1	191	0	191	0	0	bogs and conifer plantation; travelling	PC
BZ114	VP2	27/01/2025	11:25	Buzzard	1	121	121	0	0	0	bogs and conifer plantation; mobbed, hovering, travelling, perched, mobbed by kestrel	PC
BZ115	VP1	06/02/2025	13:25	Buzzard	1	159	0	159	0	0	conifer plantation and improved agricultural grassland; travelling, soaring, hovering, seemed to drop into forestry	PC
BZ116	VP1	06/02/2025	13:51	Buzzard	1	151	0	151	0	0	conifer plantation; hovering, circling, hunting, it was hanging around the wind speed mast, so my guess is it was hunting over the clearing in the forest that is around the mast. it dropped with speed.	PC
BZ117	VP1	06/02/2025	14:57	Buzzard	1	86	0	86	0	0	conifer plantation; travelling, seemed to drop into tree at edge of forestry.	PC
BZ118	VP2	07/02/2025	12:57	Buzzard	1	17	17	0	0	0	conifer plantation and bogs; travelling, lost behind forestry	PC
BZ119	VP2	07/02/2025	16:13	Buzzard	1	9	9	0	0	0	bogs and linear woodland/scrub; travelling, briefly seen over treeline then it dropped out of sight.	PC
BZ120	VP1	06/03/2025	07:26	Buzzard	1	11	11	0	0	0	bogs and scrub/transitional woodland; travelling, hovering, not sure where this bird came from. just seemed to appear over the bog, as if it came up from the bog. flew very low into scrub.	PC
BZ121	VP1	06/03/2025	08:08	Buzzard	1	22	0	22	0	0	bogs and conifer plantation; circling, dropped into forestry.	PC
BZ122	VP1	06/03/2025	10:14	Buzzard	1	84	31	53	0	0	conifer plantation and wet grassland; travelling	PC
BZ123	VP1	06/03/2025	10:45	Buzzard	1	144	129	15	0	0	semi-natural grassland, conifer plantation and bogs; travelling, dropped onto bog in similar spot to where the first buzzard of the morning was seen flying very low. might be foraging or scavenging around there.	PC
BZ124	VP2	10/03/2025	10:33	Buzzard	1	184	0	184	0	0	bogs; hovering, travelling, soaring, spotted whilst watching previous kestrel, and lost because I followed the kestrel.	PC

Ref. ^a	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ125	VP2	10/03/2025	10:39	Buzzard	2	26	0	0	26	0	conifer plantation; soaring, spotted when I was watching third kestrel.	PC
BZ126	VP2	10/03/2025	11:35	Buzzard	1	104	0	0	104	0	#N/A	PC
BZ128	VP2	10/03/2025	12:04	Buzzard	1	230	230	0	0	0	bogs and conifer plantation; travelling, calling, spotted whilst watching male kestrel.	PC

Table 7- 4 - 61 Buzzard breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ001	05/05/2022	06:22		Buzzard	1	improved agricultural grassland and conifer plantation; travelling, flew low over railway line and followed track. lost behind hedges it was so low. (suitable nesting habitat; possible breeder)	PC
BZ002	15/06/2022	07:06		Buzzard	1	wet grassland and bogs; perched, perched on top of small conifer (suitable nesting habitat; possible breeder)	PC
BZ003	15/06/2022	08:20		Buzzard	1	wet grassland and bogs; perched, flushed kestrel from treetop (suitable nesting habitat; possible breeder)	PC
BZ004	15/06/2022	10:32		Buzzard	1	conifer plantation; travelling, over forestry in distance (suitable nesting habitat; possible breeder)	PC
BZ005	15/06/2022	10:33		Buzzard	1	wet grassland and linear woodland/scrub; travelling, occasional hovering (suitable nesting habitat; possible breeder)	PC
BZ006	07/07/2022	10:28		Buzzard	1	conifer plantation and wet grassland; travelling (suitable nesting habitat; possible breeder)	PC
BZ007	13/04/2023	11:30		Buzzard	1	conifer plantation; flushed, flushed from tree at side of road (suitable nesting habitat; possible breeder)	PC
BZ009	10/05/2023	10:15		Buzzard	1	improved agricultural grassland; calling (suitable nesting habitat; possible breeder)	PC
BZ010	09/04/2024	10:15		Buzzard	1	bogs and conifer plantation; travelling (suitable nesting habitat; possible breeder)	PC
BZ011	09/04/2024	10:15		Buzzard	2	bogs and scrub/transitional woodland; soaring, calling (suitable nesting habitat; possible breeder)	PC
BZ012	09/04/2024	13:48		Buzzard	1	conifer plantation and improved agricultural grassland; travelling (suitable nesting habitat; possible breeder)	PC
BZ013	09/04/2024	13:52		Buzzard	2	conifer plantation; travelling (suitable nesting habitat; possible breeder)	PC
BZ014	11/04/2024	10:39		Buzzard	1	improved agricultural grassland and conifer plantation; flushed, flushed from tree in middle of field (suitable nesting habitat; possible breeder)	PC
BZ015	11/04/2024	10:40		Buzzard	1	improved agricultural grassland and linear woodland/scrub; travelling, probably same bird as previous sighting of buzzard (suitable nesting habitat; possible breeder)	PC

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ016	11/04/2024	11:04		Buzzard	1	conifer plantation and improved agricultural grassland; travelling (suitable nesting habitat; possible breeder)	PC
BZ017	15/05/2024	08:39		Buzzard	1	conifer plantation; flushed, flushed from tree at edge of forestry (suitable nesting habitat; possible breeder)	PC
BZ018	06/06/2024	08:54		Buzzard	1	conifer plantation; perched, perched at top of tree at edge of plantation (suitable nesting habitat; possible breeder)	PC
BZ019	06/06/2024	09:59		Buzzard	1	conifer plantation and bogs; perched, perched on treetop then flew as I approached (suitable nesting habitat; possible breeder)	PC
BZ020	07/06/2024	08:14		Buzzard	1	improved agricultural grassland, bogs and linear woodland/scrub; travelling, mobbed by 2 hooded crows (suitable nesting habitat; possible breeder)	PC
BZ021	08/07/2024	09:17	T3	Buzzard	1	conifer plantation and bogs; perched, perched on tree when I arrived at the transect (suitable nesting habitat; possible breeder)	PC

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Table 7- 4 - 62 Buzzard breeding raptor survey data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ001	BR2	06/04/2022	09:03	Buzzard	1	conifer plantation and bogs, travelling, seemed to drop into forestry	suitable nesting habitat; possible breeder	PC
BZ002	BR2	06/04/2022	10:33	Buzzard	2	conifer plantation, travelling, circling and hovering over forestry then headed off behind forestry	suitable nesting habitat; possible breeder	PC
BZ003	BR1	06/04/2022	12:14	Buzzard	1	conifer plantation, travelling, watched for at least 15 mins, hovering and circling.	suitable nesting habitat; possible breeder	PC
BZ004	BR1	06/04/2022	12:15	Buzzard	1	conifer plantation, travelling, came up whilst watching first bird, moved towards it then dropped	suitable nesting habitat; possible breeder	PC
BZ005	BR1	06/04/2022	12:46	Buzzard	1	improved grassland and linear woodland/scrub, travelling, settled in a tree which has large old nest in it. didn't see buzzard near nest. tree is close to road.	suitable nesting habitat; possible breeder	PC
BZ006	BR3	08/04/2022	10:51	Buzzard	1	conifer plantation, travelling	suitable nesting habitat; possible breeder	PC
BZ007	BR3	08/04/2022	12:53	Buzzard	1	improved agricultural grassland and conifer plantation, travelling, flew across whilst watching kestrel. mobbed by raven.	suitable nesting habitat; possible breeder	PC
BZ008	BR4	21/04/2022	11:27	Buzzard	1	bogs and conifer plantation, travelling	suitable nesting habitat; possible breeder	PC
BZ009	BR4	21/04/2022	12:17	Buzzard	1	bogs and conifer plantation, travelling, seemed to drop onto bog	suitable nesting habitat; possible breeder	PC
BZ010	BR4	21/04/2022	12:56	Buzzard	1	bogs and conifer plantation, travelling, mobbed by hooded crow twice	suitable nesting habitat; possible breeder	PC
BZ011	BR1	11/05/2022	10:35	Buzzard	2	bogs and conifer plantation, travelling	suitable nesting habitat; possible breeder	PC
BZ012	BR4	22/06/2022	13:29	Buzzard	1	conifer plantation, travelling, soaring over forestry in distance	suitable nesting habitat; possible breeder	PC
BZ013	BR4	22/06/2022	14:32	Buzzard	1	conifer plantation, travelling	suitable nesting habitat; possible breeder	PC
BZ014	BR4	22/06/2022	14:33	Buzzard	1	highly modified/non-native woodland, travelling	suitable nesting habitat; possible breeder	PC
BZ015	BR4	22/06/2022	15:07	Buzzard	1	conifer plantation, travelling, flew very low along track and went into forestry	suitable nesting habitat; possible breeder	PC
BZ016	BR2	01/07/2022	10:01	Buzzard	1	conifer plantation, travelling, briefly seen over forestry in distance	suitable nesting habitat; possible breeder	PC
BZ017	BR4	21/07/2022	07:08	Buzzard	1	improved agricultural grassland and conifer plantation, travelling, a local had told me that buzzard often perched on telegraph poles along road, so I walked down to check and there it was!	suitable nesting habitat; possible breeder	PC

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ018	BR4	21/07/2022	08:45	Buzzard	1	conifer plantation, wet grassland and bogs, travelling, flew up from field, settled in tree on edge of forestry. watched for 20 mins. same bird as before.	suitable nesting habitat; possible breeder	PC
BZ019	BR3	21/07/2022	11:21	Buzzard	1	improved agricultural grassland and treelines, travelling	suitable nesting habitat; possible breeder	PC
BZ020	BR1	26/07/2022	12:13	Buzzard	1	treelines and improved agricultural grassland, travelling, brief view of bird as it dropped from a tree and disappeared behind other trees	suitable nesting habitat; possible breeder	PC
BZ021	BR2	03/04/2023	12:01	Buzzard	2	conifer plantation, improved grassland and bogs, travelling	suitable nesting habitat; possible breeder	PC
BZ022	BR2	03/04/2023	12:02	Buzzard	1	conifer plantation, improved grassland and bogs, travelling	suitable nesting habitat; possible breeder	PC
BZ025	BR2	03/04/2023	12:26	Buzzard	1	conifer plantation and bogs, travelling	suitable nesting habitat; possible breeder	PC
BZ026	BR2	03/04/2023	13:12	Buzzard	1	bogs and conifer plantation, travelling	suitable nesting habitat; possible breeder	PC
BZ027	BR2	03/04/2023	14:14	Buzzard	1	conifer plantation, travelling	suitable nesting habitat; possible breeder	PC
BZ028	BR2	03/04/2023	14:14	Buzzard	1	bogs and conifer plantation, travelling, circling over bog with second buzzard calling to each other	suitable nesting habitat; possible breeder	PC
BZ029	BR2	03/04/2023	14:15	Buzzard	1	bogs and conifer plantation, travelling, circling with previous buzzard before they split up	suitable nesting habitat; possible breeder	PC
BZ030	BR3	04/04/2023	11:20	Buzzard	2	conifer plantation, travelling	suitable nesting habitat; possible breeder	PC
BZ031	BR4	04/04/2023	12:04	Buzzard	1	bogs and conifer plantation, travelling	suitable nesting habitat; possible breeder	PC
BZ032	BR4	04/04/2023	12:05	Buzzard	1	bogs and conifer plantation, travelling	suitable nesting habitat; possible breeder	PC
BZ033	BR4	04/04/2023	12:05	Buzzard	1	bogs and conifer plantation, travelling	suitable nesting habitat; possible breeder	PC
BZ034	BR4	04/04/2023	12:06	Buzzard	1	bogs, travelling	suitable nesting habitat; possible breeder	PC
BZ035	BR4	04/04/2023	12:07	Buzzard	1	bogs and conifer plantation, travelling	suitable nesting habitat; possible breeder	PC
BZ036	BR4	04/04/2023	12:44	Buzzard	1	bogs and conifer plantation, travelling	suitable nesting habitat; possible breeder	PC
BZ037	BR4	04/04/2023	12:44	Buzzard	1	bogs, travelling, very high up!	suitable nesting habitat; possible breeder	PC
BZ038	BR4	04/04/2023	12:56	Buzzard	1	bogs and conifer plantation, travelling	suitable nesting habitat; possible breeder	PC

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Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ039	BR4	04/04/2023	13:04	Buzzard	1	conifer plantation, travelling	suitable nesting habitat; possible breeder	PC
BZ040	BR1	25/05/2023	08:49	Buzzard	1	highly modified/non-native woodland and improved agricultural grassland, travelling, mobbed by 2 hooded crow, occasionally hovering	suitable nesting habitat; possible breeder	PC
BZ041	BR2	25/05/2023	09:47	Buzzard	1	bogs and highly modified/non-native woodland, travelling	suitable nesting habitat; possible breeder	PC
BZ042	BR2	25/05/2023	10:53	Buzzard	1	highly modified/non-native woodland, travelling, dropped into forestry	suitable nesting habitat; possible breeder	PC
BZ043	BR3	30/05/2023	10:25	Buzzard	1	conifer plantation and bogs, travelling	suitable nesting habitat; possible breeder	PC
BZ044	BR3	30/05/2023	10:26	Buzzard	1	conifer plantation and improved agricultural grassland, travelling	suitable nesting habitat; possible breeder	PC
BZ045	BR4	30/05/2023	12:38	Buzzard	1	bogs and conifer plantation, travelling	suitable nesting habitat; possible breeder	PC
BZ046	BR4	30/05/2023	12:39	Buzzard	1	bogs and conifer plantation, travelling, 2nd bird came up to join 1st buzzard	suitable nesting habitat; possible breeder	PC
BZ047	BR4	30/05/2023	12:39	Buzzard	1	bogs and conifer plantation, travelling, 3rd buzzard came up to join other 2, all 3 soaring to a great height	suitable nesting habitat; possible breeder	PC
BZ048	BR4	30/05/2023	12:49	Buzzard	1	conifer plantation and bogs, travelling	suitable nesting habitat; possible breeder	PC
BZ049	BR4	30/05/2023	13:22	Buzzard	1	improved agricultural grassland, conifer plantation and watercourses, travelling	suitable nesting habitat; possible breeder	PC
BZ050	BR2	08/06/2023	08:21	Buzzard	1	bogs and conifer plantation, travelling, seen at same time as previous kestrel	suitable nesting habitat; possible breeder	PC
BZ052	BR4	09/04/2024	12:12	Buzzard	6	highly modified/non-native woodland and improved agricultural grassland, soaring, looked like 3 pairs coming together over forestry	suitable nesting habitat; possible breeder	PC
BZ053	BR4	09/04/2024	12:13	Buzzard	1	conifer plantation, soaring	suitable nesting habitat; possible breeder	PC
BZ054	BR4	09/04/2024	12:15	Buzzard	2	conifer plantation, soaring, presumably two of the six seen earlier	suitable nesting habitat; possible breeder	PC
BZ055	BR4	09/04/2024	12:16	Buzzard	3	conifer plantation, soaring, presumably three of the six seen earlier	suitable nesting habitat; possible breeder	PC
BZ056	BR4	09/04/2024	12:50	Buzzard	1	bogs and conifer plantation, travelling, mobbed the whole way by a hooded crow	suitable nesting habitat; possible breeder	PC
BZ057	BR4	09/04/2024	12:51	Buzzard	2	conifer plantation and bogs, travelling	suitable nesting habitat; possible breeder	PC
BZ058	BR1	12/04/2024	07:49	Buzzard	1	linear woodland/scrub and bogs, perched	suitable nesting habitat; possible breeder	PC

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Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ059	BR4	23/05/2024	10:04	Buzzard	2	conifer plantation, soaring, lost against bright overcast sky	suitable nesting habitat; possible breeder	PC
BZ060	BR3	20/06/2024	08:29	Buzzard	1	linear woodland/scrub, improved agricultural grassland and bogs, perched, perched on ESB pole.	suitable nesting habitat; possible breeder	PC
BZ061	BR3	20/06/2024	08:30	Buzzard	1	improved agricultural grassland, scrub/transitional woodland and bogs, perched, travelling, very pale individual. I don't think it was the same bird as the previous sighting.	suitable nesting habitat; possible breeder	PC
BZ062	BR3	20/06/2024	09:22	Buzzard	1	bogs and scrub/transitional woodland, perched, travelling	suitable nesting habitat; possible breeder	PC
BZ063	BR4	20/06/2024	11:58	Buzzard	1	bogs and highly modified/non-native woodland, travelling	suitable nesting habitat; possible breeder	PC
BZ064	BR1	04/07/2024	11:47	Buzzard	1	bogs and conifer plantation, hunting, hovering regularly	suitable nesting habitat; possible breeder	PC

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Table 7 - 4 - 63 Buzzard winter walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ001	04/10/2021	11:36		Buzzard	1	highly modified/non-native woodland; travelling, briefly seen soaring	PC
BZ002	04/10/2021	11:49		Buzzard	1	highly modified/non-native woodland; perched, flew into copse and perched	PC
BZ003	04/10/2021	12:48		Buzzard	1	highly modified/non-native woodland; perched, perched on fallen tree same bird as previous sighting	PC
BZ004	08/03/2022	11:14		Buzzard	1	bogs; travelling, hovering occasionally	PC
BZ005	03/10/2022	10:10		Buzzard	1	highly modified/non-native woodland; travelling, dropped into woods	PC
BZ006	03/10/2022	11:19		Buzzard	1	highly modified/non-native woodland; travelling	PC
BZ007	01/02/2023	12:14		Buzzard	1	improved agricultural grassland; travelling, was perched on gatepost before 2 hooded crow chased it off	PC
BZ008	08/03/2023	10:22		Buzzard	1	bogs; travelling	PC
BZ009	15/01/2024	08:23		Buzzard	1	improved agricultural grassland; flushed, flushed from telegraph pole	PC
BZ010	16/02/2024	11:39		Buzzard	1	conifer plantation and bogs; travelling, flew into and perched in forestry	PC
BZ011	01/10/2024	10:57	T1	Buzzard	2	scrub and improved agricultural grassland; travelling	PC
BZ012	03/01/2025	10:42	T2	Buzzard	1	improved agricultural grassland and linear woodland/scrub; perched, mobbed, perched at top of deciduous tree, mobbed by rooks and jackdaws. didn't see it fly off.	PC
BZ013	07/03/2025	11:24	T2	Buzzard	1	improved agricultural grassland, conifer plantation and linear woodland/scrub; travelling, perched, landed in tree in hedgerow.	PC
BZ014	07/03/2025	11:27	T2	Buzzard	1	bogs; perched, travelling, perched at side of transect before heading off over bog. lost behind scrub.	PC
BZ015	07/03/2025	11:29	T2	Buzzard	1	improved agricultural grassland and conifer plantation; mobbed, mobbed by hooded crow	PC

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Table 7 - 4 - 64 Buzzard incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ001	Waterbird Distribution Survey; Killimor	29/09/2021	09:22	Buzzard	1	improved agricultural grassland; travelling, in flight	PC
BZ002	Waterbird Distribution Survey; Attymon	29/09/2021	12:36	Buzzard	4	improved agricultural grassland and conifer plantation; travelling, soaring and calling	PC
BZ003	Wildfowl Distribution Survey; Killimor bog	07/10/2021	10:28	Buzzard	1	highly modified/non-native woodland; perched, seen fly into forestry and perch in tree	PC
BZ004	Wildfowl Distribution Survey; Kiltullagh	18/10/2021	08:25	Buzzard	1	improved agricultural grassland; travelling	PC
BZ005	Wildfowl Distribution Survey; Clogheravaun River	18/10/2021	12:05	Buzzard	1	improved grassland; perched, perched on treetop	PC
BZ006	Waterbird Distribution Survey; Rafor Bridge	15/12/2021	10:22	Buzzard	1	watercourses and improved grassland; sitting on telegraph wire above bridge	PC
BZ007	Vantage Point Survey; Cappaghnanool bog behind VP2	16/03/2022	13:48	Buzzard	1	conifer plantation; travelling, spotted when watching hunting k.	PC
BZ008	Vantage Point Survey; Bog behind VP2	16/03/2022	17:50	Buzzard	1	bogs; travelling	PC
BZ009	Waterbird Distribution Survey; Dominick's Hill Quarry	21/04/2022	07:50	Buzzard	1	conifer plantation, improved agricultural grassland and other artificial lakes and ponds; travelling	PC
BZ010	Vantage Point Survey; Cappaghnanool	20/07/2022	11:08	Buzzard	1	conifer plantation; travelling	PC
BZ011	Hen Harrier Roost Survey; HHVP4	14/10/2022	09:28	Buzzard	1	conifer plantation; calling, heard not seen	PC
BZ012	Waterbird Distribution Survey; Kiltullagh	01/12/2022	08:57	Buzzard	1	improved agricultural grassland; travelling	PC
BZ013	Waterbird Distribution Survey; Curragh Beg	01/12/2022	12:57	Buzzard	1	improved agricultural grassland; travelling	PC
BZ014	Waterbird Distribution Survey; Killimor	13/12/2022	11:19	Buzzard	1	improved agricultural grassland and linear woodland/scrub; perched	PC
BZ015	Hen Harrier Roost Survey; HHVP3	16/12/2022	15:47	Buzzard	1	lowland blanket bog; travelling	PM
BZ016	Waterbird Distribution Survey; Dominick's Hill Quarry	07/02/2023	09:03	Buzzard	1	other artificial lakes and ponds and improved agricultural grassland; travelling	PC
BZ017	Waterbird Distribution Survey; Dominick's Hill Quarry	20/03/2023	08:50	Buzzard	1	highly modified/non-native woodland and improved agricultural grassland; perched, perched in tree on far side of quarry	PC
BZ018	Waterbird Distribution Survey; Derrynamanagh	20/03/2023	12:29	Buzzard	1	conifer plantation and improved agricultural grassland; travelling	PC
BZ019	Vantage Point Survey; Capanasruhaun	23/03/2023	15:31	Buzzard	1	highly modified/non-native woodland; travelling	PC
BZ020	Waterbird Distribution Survey; Dominick's Hill Quarry	05/04/2023	08:02	Buzzard	1	conifer plantation and improved agricultural grassland; travelling	PC
BZ021	Vantage Point Survey; Cappaghnanool	21/04/2023	11:20	Buzzard	1	conifer plantation; travelling	PC
BZ022	Vantage Point Survey; VP2	15/05/2023	15:16	Buzzard	1	conifer plantation; travelling, outside viewshed	PC

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ023	Vantage Point Survey; Cappaghnanool	15/05/2023	15:52	Buzzard	1	conifer plantation; travelling	PC
BZ024	Vantage Point Survey; VP2	15/05/2023	16:46	Buzzard	1	conifer plantation; travelling, outside viewshed	PC
BZ025	Vantage Point Survey; VP2	15/05/2023	20:03	Buzzard	1	conifer plantation; travelling, outside viewshed	PC
BZ026	Waterbird Distribution Survey; Cappaghnanool	16/05/2023	10:31	Buzzard	1	improved agricultural grassland; travelling, seen while driving	LB
BZ027	Waterbird Distribution Survey; Kiltullagh	16/05/2023	13:43	Buzzard	1	scattered trees and parkland; flushed by driving	LB
BZ028	Breeding Raptor Survey; BR1	30/05/2023	07:52	Buzzard	1	improved grassland and bogs; travelling, spotted on way to brvp3. mobbed by hooded crow	PC
BZ029	Vantage Point Survey; Capanasruhaun	20/06/2023	10:26	Buzzard	1	highly modified/non-native woodland; travelling	PC
BZ030	Waterbird Distribution Survey; Killimor Bog	01/08/2023	09:46	Buzzard	1	bogs and improved agricultural grassland; travelling	PC
BZ031	Waterbird Distribution Survey; Killimor	05/09/2023	09:14	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland; perched, 3 white primaries on left wing	PC
BZ032	Waterbird Distribution Survey; Derrynamanagh	05/09/2023	09:42	Buzzard	1	bogs and conifer plantation; travelling	PC
BZ033	Waterbird Distribution Survey; Dominick's Hill Quarry	20/10/2023	08:54	Buzzard	1	improved agricultural grassland and conifer plantation; travelling	PC
BZ034	Waterbird Distribution Survey; Ballynahown	01/11/2023	12:00	Buzzard	1	improved agricultural grassland and watercourses; travelling	PC
BZ035	Hen Harrier Roost Survey; Lenareagh	10/11/2023	08:05	Buzzard	1	bogs and conifer plantation; travelling	PC
BZ036	Hen Harrier Roost Survey; Lenamore	13/11/2023	15:50	Buzzard	1	improved agricultural grassland; travelling	PC
BZ037	Hen Harrier Roost Survey; Derrynamanagh	13/11/2023	16:07	Buzzard	1	improved agricultural grassland; travelling	PC
BZ038	Vantage Point Survey; Capanasruhaun	15/11/2023	11:11	Buzzard	1	conifer plantation; travelling	PC
BZ039	Waterbird Distribution Survey; Kiltullagh cemetery	17/11/2023	10:10	Buzzard	1	improved grassland; travelling	PC
BZ040	Hen Harrier Roost Survey; HHVP6	28/11/2023	17:34	Buzzard	1	bogs and conifer plantation; travelling	PC
BZ041	Hen Harrier Roost Survey; HHVP6	28/11/2023	17:36	Buzzard	1	bogs and conifer plantation; travelling	PC
BZ042	Waterbird Distribution Survey; Clogheravaun River Raford	11/12/2023	12:15	Buzzard	2	treelines and watercourses; travelling, flushed from treeline at side of road	PC
BZ043	Vantage Point Survey; VP2	16/01/2024	09:57	Buzzard	1	conifer plantation and improved grassland; travelling	PC
BZ044	Vantage Point Survey; VP2	16/01/2024	11:15	Buzzard	1	conifer plantation; travelling, mobbed by kestrel	PC
BZ045	Hen Harrier Roost Survey; Clooncah	18/01/2024	15:30	Buzzard	1	improved agricultural grassland; travelling	PC
BZ046	Hen Harrier Roost Survey; HHVP4	26/01/2024	15:07	Buzzard	1	conifer plantation and recently felled woodland; soaring, seen from car just before arriving at radio mast	SB

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ047	Hen Harrier Roost Survey; HHVP4	26/01/2024	16:33	Buzzard	2	conifer plantation and bogs; soaring, both calling	SB
BZ048	Hen Harrier Roost Survey; HHVP2	02/02/2024	09:41	Buzzard	1	bogs; hunting, hovering from time to time	PC
BZ049	Waterbird Distribution Survey; Killimor bog	02/02/2024	09:42	Buzzard	1	conifer plantation; perched	PC
BZ050	Hen Harrier Roost Survey; Gortromagh	22/02/2024	17:09	Buzzard	3	conifer plantation; soaring	PC
BZ051	Hen Harrier Roost Survey; Gortromagh	22/02/2024	17:10	Buzzard	1	bogs and conifer plantation; travelling	PC
BZ052	Waterbird Distribution Survey; Killimor Bog	15/03/2024	10:29	Buzzard	3	bogs; soaring	PC
BZ053	Hen Harrier Roost Survey; Killimor Bog	15/03/2024	10:30	Buzzard	2	bogs and conifer plantation; travelling, presumably 2 of the 3 birds seen earlier	PC
BZ054	Waterbird Distribution Survey; Killimor River	10/04/2024	08:01	Buzzard	1	improved agricultural grassland and linear woodland/scrub; travelling	PC
BZ055	Waterbird Distribution Survey; Dominick's Hill	02/05/2024	11:11	Buzzard	1	improved agricultural grassland and conifer plantation; travelling, mobbed, mobbed by hooded crow	PC
BZ056	Vantage Point Survey; Gannow	03/07/2024	12:04	Buzzard	1	bogs and scrub/transitional woodland; travelling	PC
BZ057	Vantage Point Survey; Derrynamanagh	03/07/2024	12:05	Buzzard	1	bogs; soaring, location is best guess as it was a distant view	PC
BZ058	Waterbird Distribution Survey; Dominick's Hill Quarry	09/08/2024	07:45	Buzzard	1	scrub and improved agricultural grassland; travelling, calling, sounded like a juvenile	PC
BZ059	Waterbird Distribution Survey; Killimor Bog	09/08/2024	08:59	Buzzard	1	bogs and highly modified/non-native woodland; calling, heard not seen	PC
BZ060	Waterbird Distribution Survey; Creevagh	16/09/2024	11:29	Buzzard	2	improved agricultural grassland and wet grassland; soaring	PC
BZ061	Vantage Point Survey; Cappanasruhaun	25/09/2024	07:40	Buzzard	1	conifer plantation; travelling	PC
BZ062	Vantage Point Survey; Cappanasruhaun	25/09/2024	11:42	Buzzard	1	bogs; travelling	PC
BZ063	Hen Harrier Roost Survey; Derrynamanagh	17/10/2024	07:40	Buzzard	1	bogs and conifer plantation; travelling	PC
BZ064	Hen Harrier Roost Survey; Cappanasruhaun	22/10/2024	16:40	Buzzard	1	improved agricultural grassland and conifer plantation; travelling, flew over the car as I was on my way to hhvp.5a	PC
BZ065	Hen Harrier Roost Survey; HHVP4	27/02/2025	16:56	Buzzard	1	bogs; travelling	LDV

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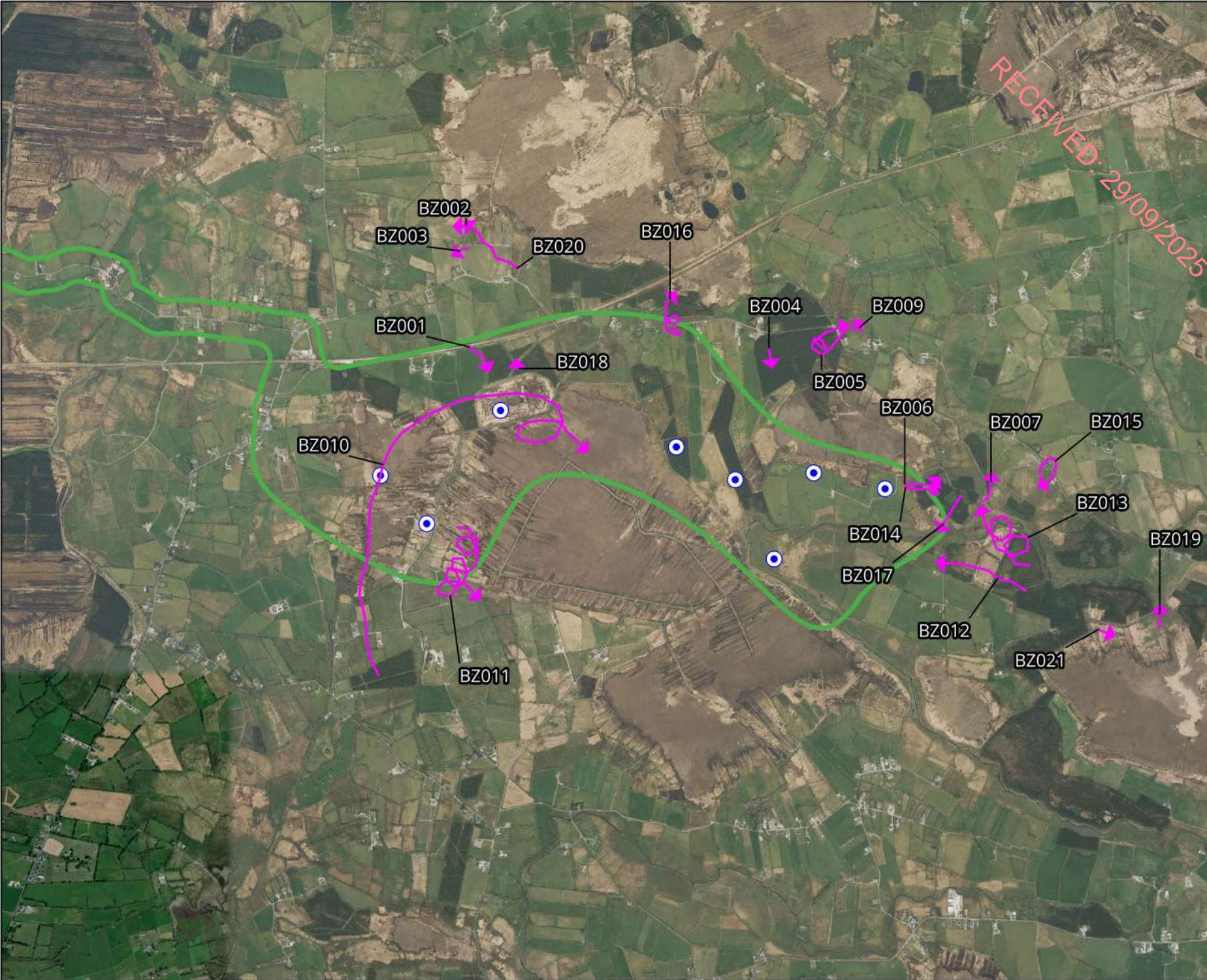
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 - Proposed Turbine Layout
 - 500m Buffer of Proposed Turbine Layout
 - Flightline
 - ◆ Observation



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Project No. 240323	Drawing No. Fig 7-4-60
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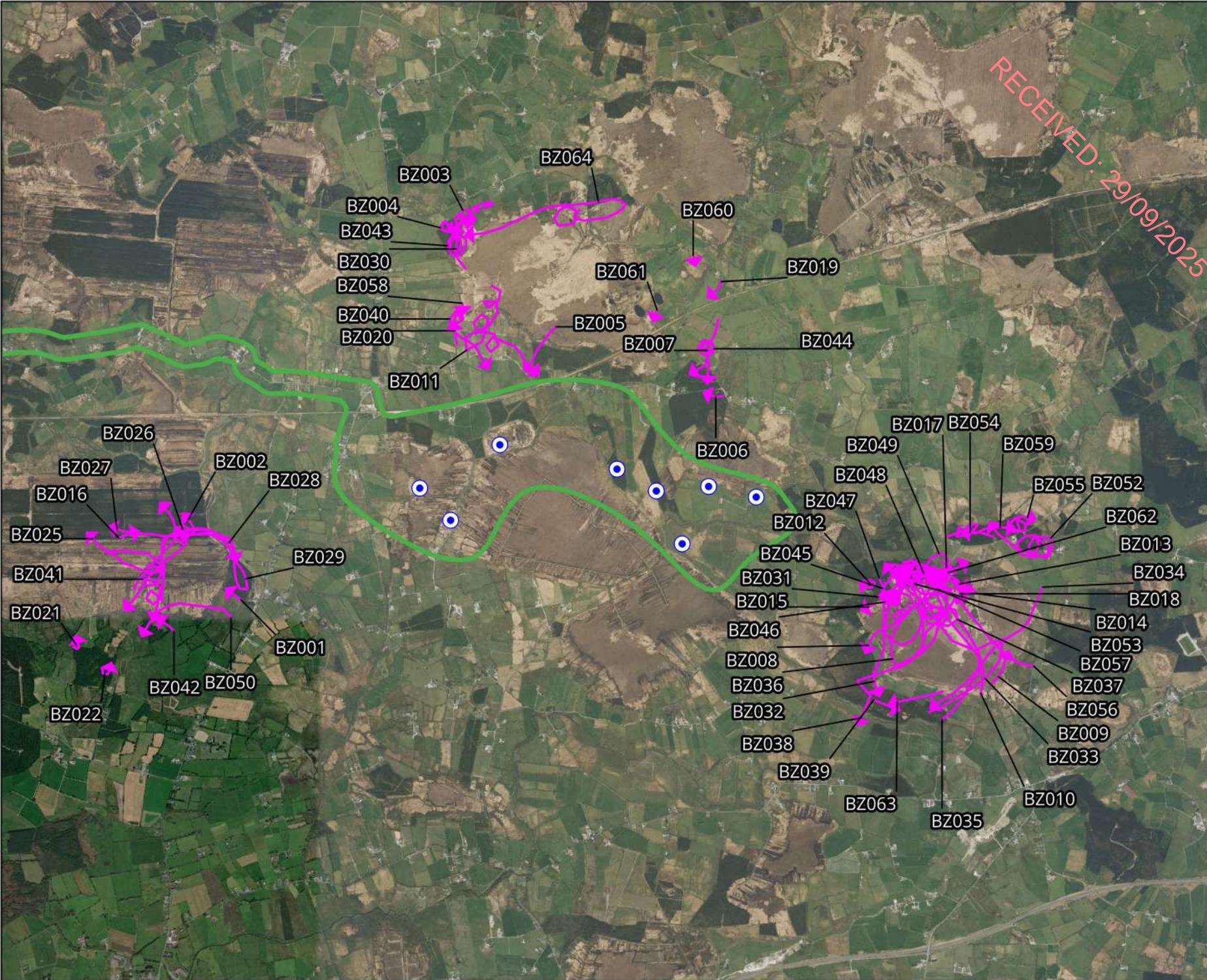
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Drawing Title Buzzard Observations Breeding Walkover Survey	
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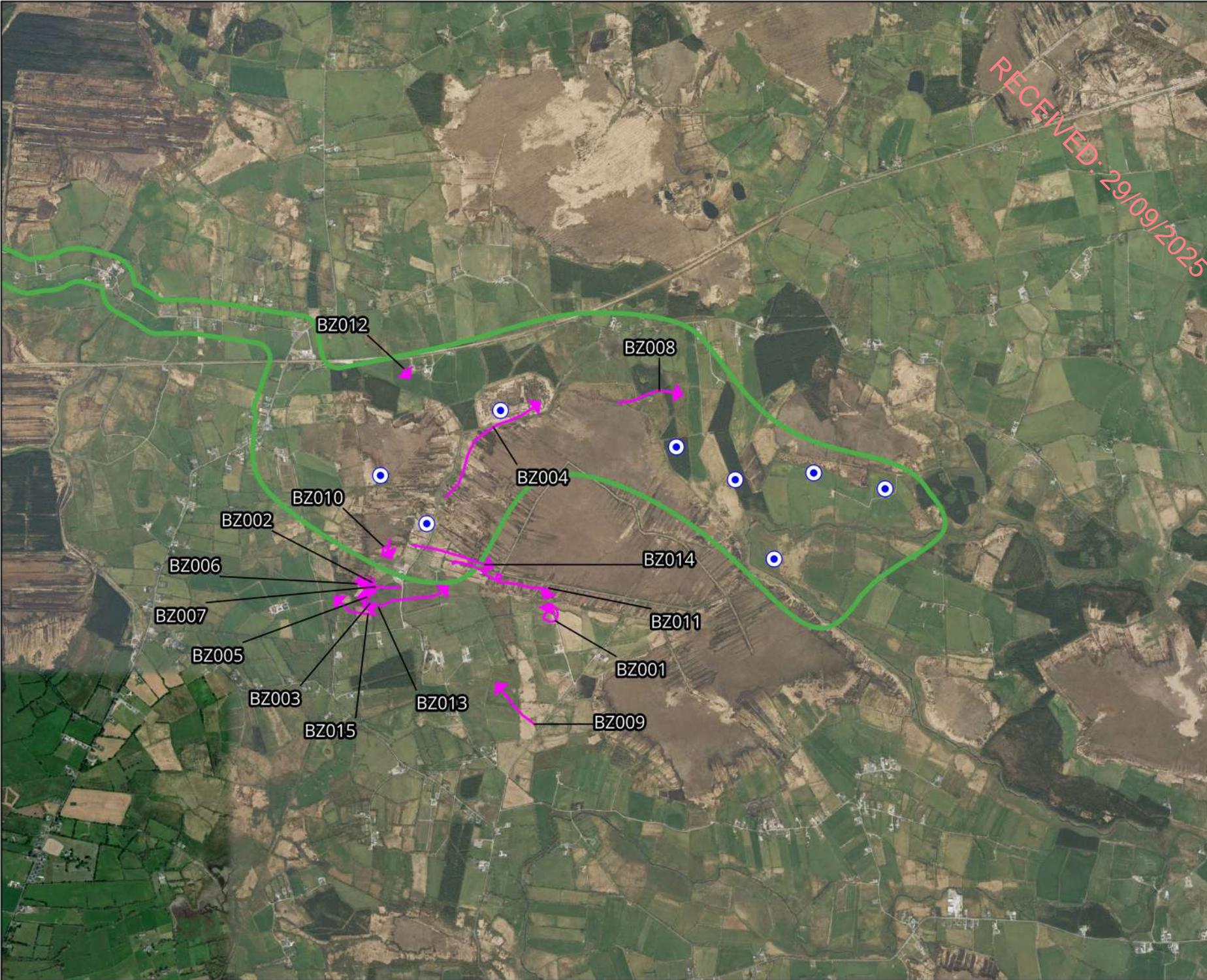
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BZ012

BZ008

BZ004

BZ010

BZ002

BZ006

BZ007

BZ005

BZ003

BZ015

BZ013

BZ009

BZ014

BZ011

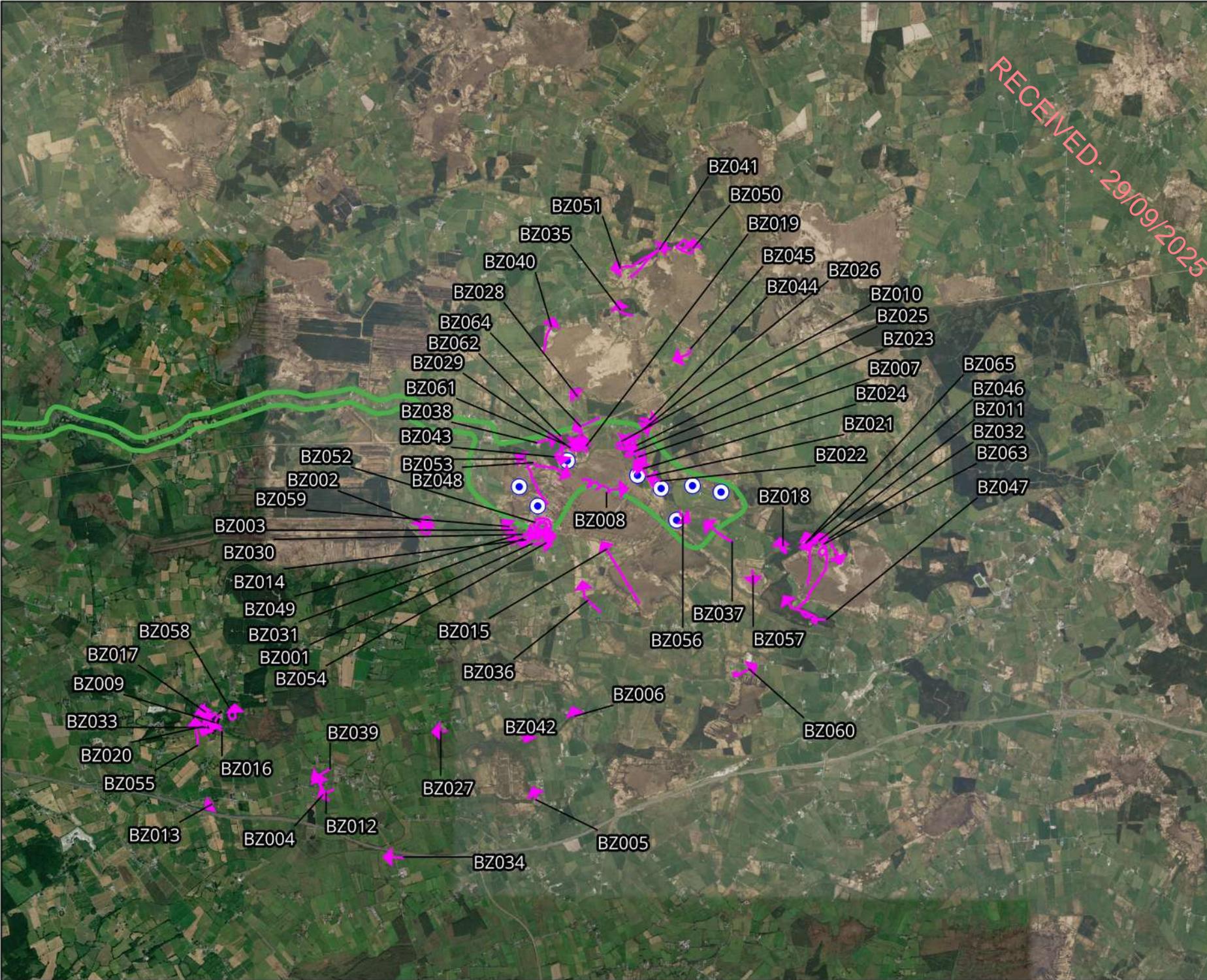
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Drawing Title Buzzard Observations Winter Walkover Survey	
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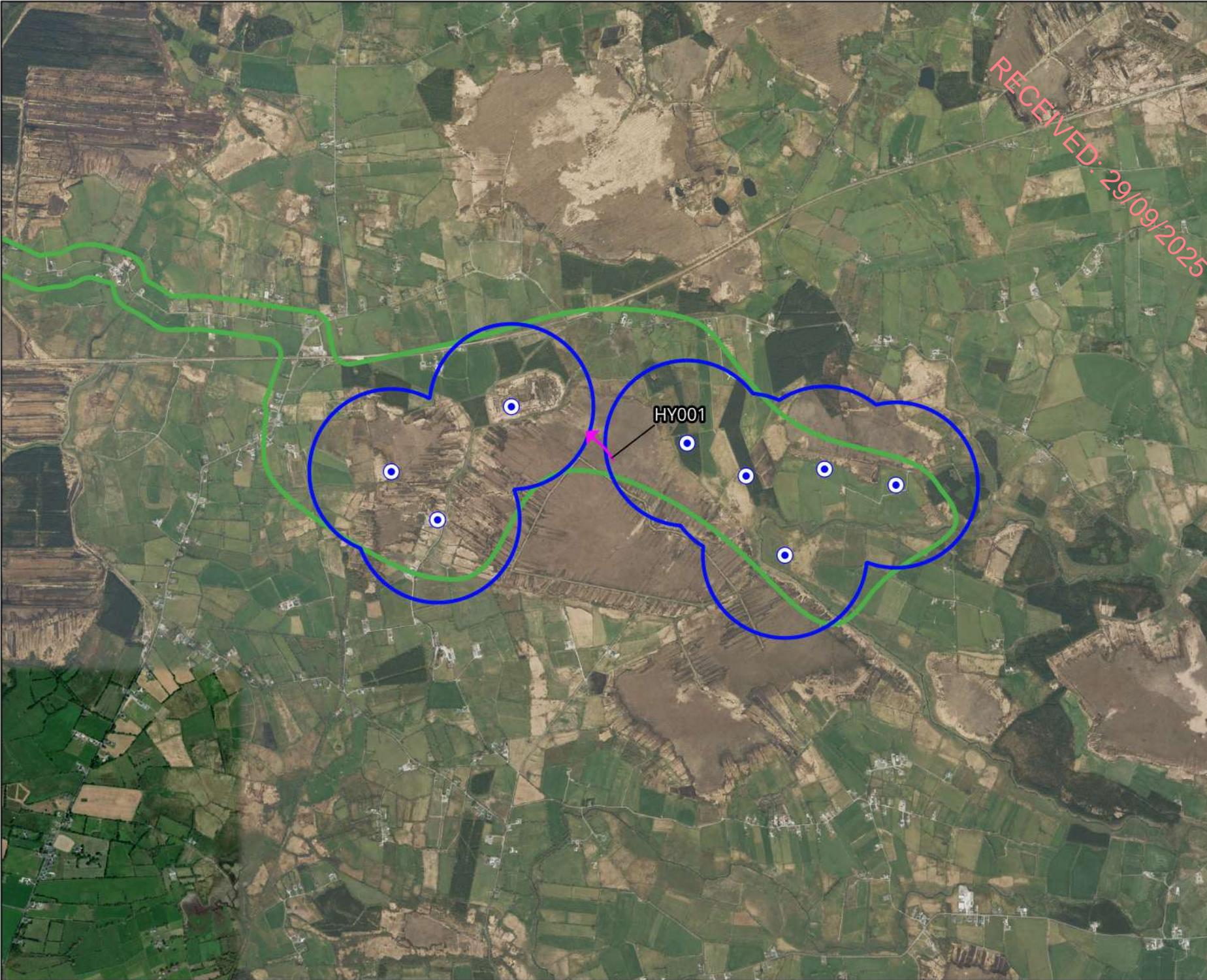
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HOBBY

Table 7 - 4 - 65 Hobby vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
HY001	VP1	23/08/2022	07:37	Hobby	1	21	21	0	0	0	bogs; travelling, flying over bog before dropping. seemed to be hawking insects as it went.	PC



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-  Flightline



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Project Title	
Gannow Renewable Energy Development	
Drawn By	Checked By
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Project No.	Drawing No.
240323	Fig 7-4-65
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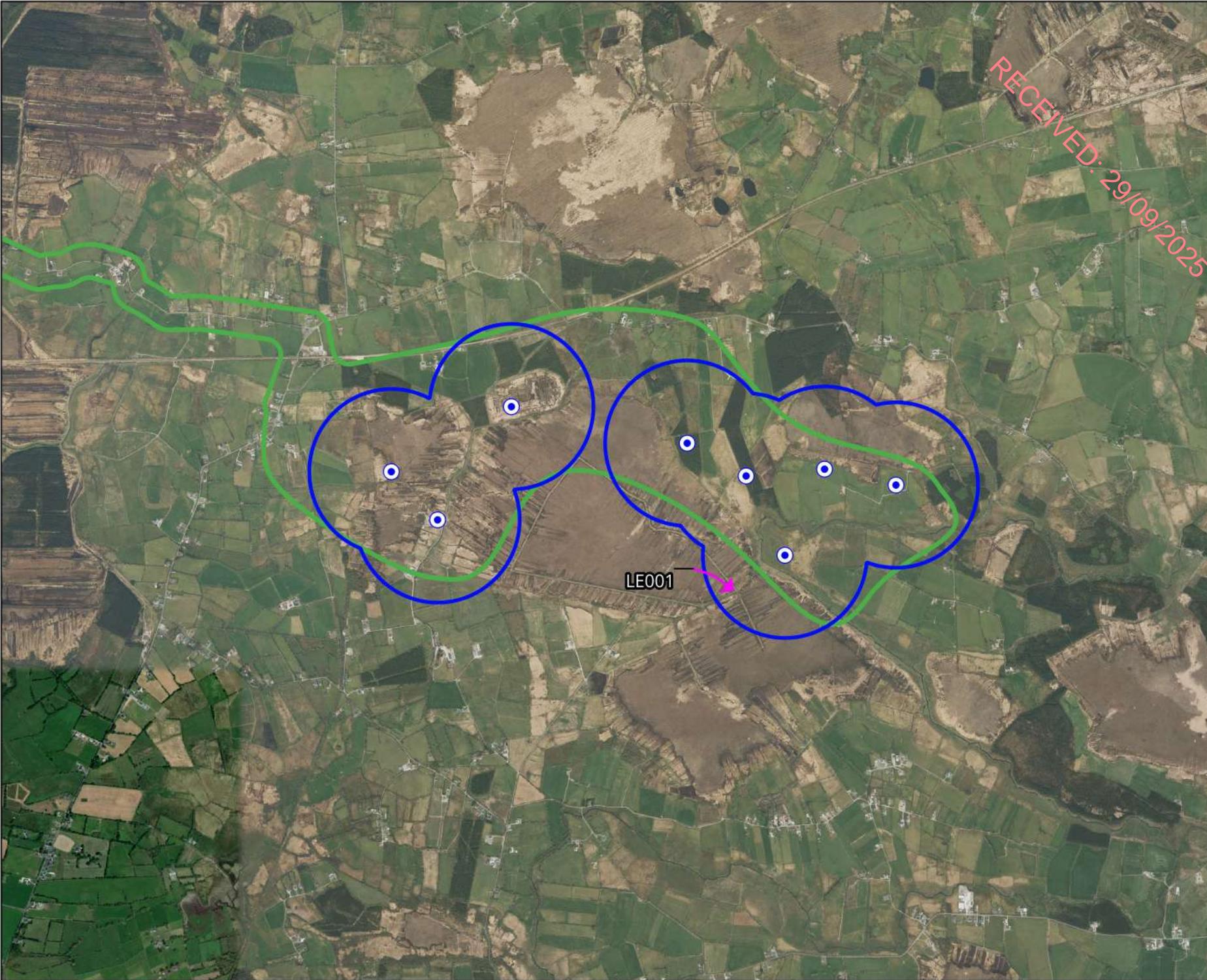
LONG-EARED OWL

Table 7 - 4 - 66 Long-eared owl vantage point data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
LE001	VP1	07/12/2022	07:42	Long-eared Owl	1	20	20	0	0	0	bogs; travelling, briefly seen against sky and by torchlight	PC

Table 7 - 4 - 67 Long-eared owl incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
LE001	Hen Harrier Roost Survey; HHVP1	14/01/2022	07:40	Long-eared Owl	1	bogs; travelling	PC
LE002	Hen Harrier Roost Survey; Road to HHVP4	21/02/2022	06:35	Long-eared Owl	1	wet grassland, conifer plantation and improved agricultural grassland; travelling, flew up from field across the road and headed into forestry. seemed to be carrying something.	PC
LE003	Hen Harrier Roost Survey; HHVP4	02/12/2022	07:45	Long-eared Owl	1	bogs and conifer plantation; travelling, flew over vantage point, silhouette against brightening sky	PC
LE004	Hen Harrier Roost Survey; HHVP4	25/01/2023	10:49	Long-eared Owl	1	bogs and conifer plantation; travelling, I mapped this when I did the survey, but the record has disappeared from QGIS. this is a re-entry of the sighting.	PC



Map Legend

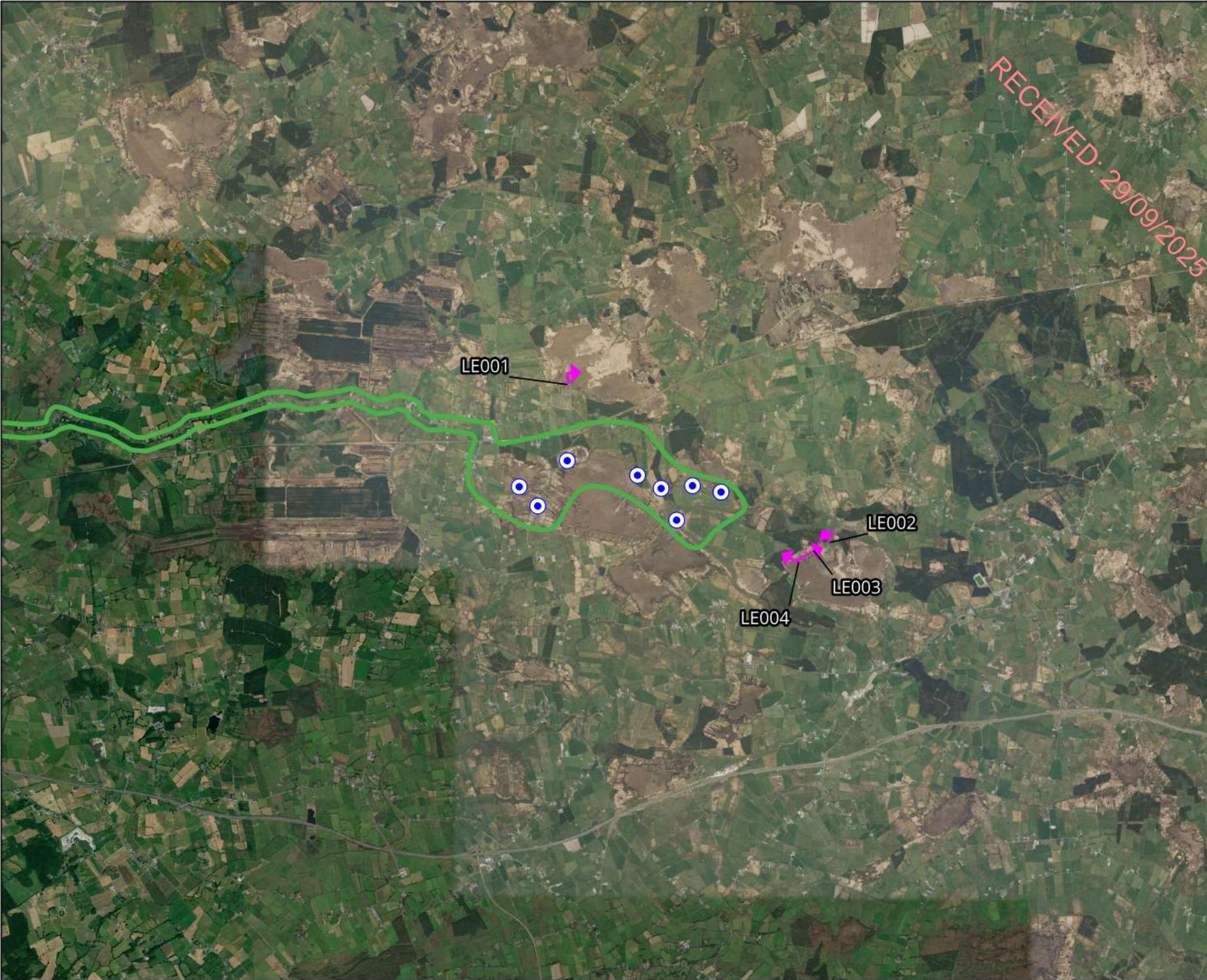
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-  500m Buffer of Proposed Turbine Layout
-  Flightline



Drawing Title Long-eared owl Observations Vantage Point Surveys	
Project Title Gannow Renewable Energy Development	
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LE001

LE002

LE003

LE004



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Long-eared Owl Incidental Observations	
Project Title	
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SPARROWHAWK

Table 7 - 4 - 68 Sparrowhawk vantage point survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
SH001	VP1	24/11/2021	13:33	Sparrowhawk	1	21	21	0	0	0	highly modified/non-native woodland; travelling, spotted flying around trees at about same time as previous buzzard	PC
SH002	VP1	20/01/2022	14:08	Sparrowhawk	1	18	0	18	0	0	bogs; travelling, large female	PC
SH003	VP1	15/02/2022	11:12	Sparrowhawk	1	9	9	0	0	0	conifer plantation and improved agricultural grassland; travelling, spotted flying fast and low in front of plantation before disappearing in plantation, probably male.	PC
SH004	VP1	29/03/2022	12:53	Sparrowhawk	1	190	0	0	155	35	conifer plantation and improved grassland; travelling, female by size. lost against bright sky.	PC
SH005	VP1	29/03/2022	13:40	Sparrowhawk	1	66	0	0	0	66	conifer plantation and improved grassland; travelling	PC
SH006	VP1	29/03/2022	18:15	Sparrowhawk	1	115	0	115	0	0	bogs and improved grassland; travelling	PC
SH007	VP1	25/05/2022	17:06	Sparrowhawk	1	12	12	0	0	0	buildings and artificial surfaces and hedgerows; travelling	PC
SH008	VP1	13/10/2022	08:41	Sparrowhawk	1	7	7	0	0	0	bogs; travelling	PC
SH009	VP1	07/12/2022	12:55	Sparrowhawk	1	17	17	0	0	0	bogs; travelling, female	PC
SH010	VP1	27/02/2023	12:36	Sparrowhawk	1	224	0	21	203	0	conifer plantation and bogs; travelling, probably female from size	PC
SH011	VP1	11/05/2023	17:37	Sparrowhawk	1	25	0	25	0	0	bogs; travelling	PC
SH012	VP1	11/05/2023	20:55	Sparrowhawk	1	17	17	0	0	0	bogs; travelling	PC
SH013	VP2	15/05/2023	15:02	Sparrowhawk	1	26	0	26	0	0	bogs; travelling	PC
SH014	VP2	15/05/2023	17:04	Sparrowhawk	1	245	0	0	200	45	bogs and improved agricultural grassland; hunting	PC
SH015	VP1	04/08/2023	07:44	Sparrowhawk	1	35	12	23	0	0	bogs and conifer plantation; hunting	PC
SH016	VP1	04/08/2023	07:45	Sparrowhawk	1	10	10	0	0	0	bogs and conifer plantation; travelling	PC
SH018	VP2	23/08/2023	07:54	Sparrowhawk	1	8	8	0	0	0	highly modified/non-native woodland and bogs; travelling	PC
SH019	VP1	26/09/2023	08:29	Sparrowhawk	1	55	0	55	0	0	bogs and conifer plantation; travelling, female	PC
SH020	VP1	26/09/2023	08:31	Sparrowhawk	1	46	15	31	0	0	bogs; travelling, female	PC
SH021	VP2	28/09/2023	11:33	Sparrowhawk	1	25	25	0	0	0	conifer plantation; travelling	PC

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
SH022	VP2	15/11/2023	12:18	Sparrowhawk	1	10	0	10	0	0	conifer plantation; travelling	PC
SH023	VP2	15/11/2023	12:23	Sparrowhawk	1	15	15	0	0	0	improved agricultural grassland and scrub/transitional woodland; travelling	PC
SH024	VP1	29/11/2023	16:38	Sparrowhawk	1	21	21	0	0	0	bogs; travelling	PC
SH026	VP2	16/01/2024	10:30	Sparrowhawk	1	23	0	0	23	0	conifer plantation; travelling, male from size	PC
SH029	VP2	12/03/2024	09:42	Sparrowhawk	1	49	0	49	0	0	conifer plantation; travelling	PC
SH030	VP2	08/04/2024	18:53	Sparrowhawk	1	17	17	0	0	0	bogs and scrub/transitional woodland; travelling, lost against scrub, probably female from size	PC
SH031	VP1	24/09/2024	08:25	Sparrowhawk	2	8	0	8	0	0	conifer plantation; travelling, looked like sparrowhawk, but was very brief view. first bird came up from forestry, knocked second bird off its perch then both dropped into forestry. first was probably male, second female.	PC
SH032	VP2	25/09/2024	09:25	Sparrowhawk	1	26	26	0	0	0	scrub and conifer plantation; travelling	PC
SH033	VP1	02/10/2024	15:18	Sparrowhawk	1	34	0	34	0	0	conifer plantation and scrub; soaring, travelling, seemed to drop into forestry	PC
SH034	VP1	19/11/2024	09:17	Sparrowhawk	1	21	0	21	0	0	conifer plantation; travelling, seemed to drop into forestry	PC
SH035	VP1	13/12/2024	10:30	Sparrowhawk	1	63	0	63	0	0	improved agricultural grassland and conifer plantation; travelling, probably female from size. dropped into forestry.	PC
SH036	VP1	02/01/2025	12:21	Sparrowhawk	1	126	0	126	0	0	bogs and conifer plantation; travelling, mobbed, female, mobbed by rook for the whole sighting, eventually dropping into forestry to escape the rook	PC
SH037	VP1	02/01/2025	13:12	Sparrowhawk	1	47	0	47	0	0	conifer plantation and improved agricultural grassland; travelling, dropped into forestry	PC
SH038	VP1	06/02/2025	11:55	Sparrowhawk	1	137	0	38	99	0	conifer plantation; soaring, travelling, mobbed, mobbed by two hooded crows. female, from size.	PC
SH039	VP1	06/02/2025	11:56	Sparrowhawk	1	40	0	0	40	0	conifer plantation; travelling, soaring, this was a second sparrowhawk that was above the first, although I didn't spot it initially. probably a male.	PC

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Table 7 - 4 - 69 Sparrowhawk breeding walkover survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SH001	15/06/2022	10:31		Sparrowhawk	1	conifer plantation and improved agricultural grassland; travelling, female (suitable nesting habitat; possible breeder)	PC
SH002	14/04/2023	11:15		Sparrowhawk	1	conifer plantation, bogs and wet grassland; travelling (suitable nesting habitat; possible breeder)	PC
SH003	16/06/2023	08:28		Sparrowhawk	1	bogs; travelling, female low over bog (flyover; non-breeding)	PC
SH004	04/07/2023	09:01		Sparrowhawk	1	improved agricultural grassland and linear woodland/scrub; travelling, came out of a tree in a hedgerow, probably male (suitable nesting habitat; possible breeder)	PC
SH005	09/04/2024	13:51		Sparrowhawk	1	improved agricultural grassland and scrub/transitional woodland; travelling (flyover; non-breeding)	PC
SH006	06/06/2024	10:00		Sparrowhawk	1	improved agricultural grassland and linear woodland/scrub; hunting, male, came over hedge, flew along road and off over hedge on opposite side of road (suitable nesting habitat; possible breeder)	PC
SH007	09/07/2024	08:32	T5	Sparrowhawk	1	improved agricultural grassland and conifer plantation; travelling, female, flew low across field then up into forestry and flushed a male sparrowhawk, presumably her mate (suitable nesting habitat; possible breeder)	PC
SH008	09/07/2024	08:34	T5	Sparrowhawk	1	improved agricultural grassland and conifer plantation; travelling, male, flushed by female (suitable nesting habitat; possible breeder)	PC

Table 7 - 4 - 70 Sparrowhawk breeding raptor survey data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
SH001	BR2	06/04/2022	09:02	Sparrowhawk	2	linear woodland/scrub and improved agricultural grassland, travelling, mobbed by sand martins	suitable nesting habitat; possible breeder	PC
SH002	BR2	04/05/2022	10:33	Sparrowhawk	1	conifer plantation and bogs, travelling, mobbed by hirundines. male by the size.	suitable nesting habitat; possible breeder	PC
SH003	BR2	04/05/2022	11:23	Sparrowhawk	1	bogs and bog woodland, travelling, female. lost against bright sky close to sun.	suitable nesting habitat; possible breeder	PC
SH005	BR2	03/04/2023	11:14	Sparrowhawk	1	linear woodland/scrub and bogs, hunting, female	suitable nesting habitat; possible breeder	PC
SH006	BR4	09/04/2024	11:31	Sparrowhawk	1	bogs and conifer plantation, travelling	suitable nesting habitat; possible breeder	PC
SH008	BR2	11/06/2024	08:40	Sparrowhawk	1	highly modified/non-native woodland, soaring, seemed to come up from forestry, then dived back into it	suitable nesting habitat; possible breeder	PC

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Table 7 - 4 - 71 Sparrowhawk winter walkover survey data

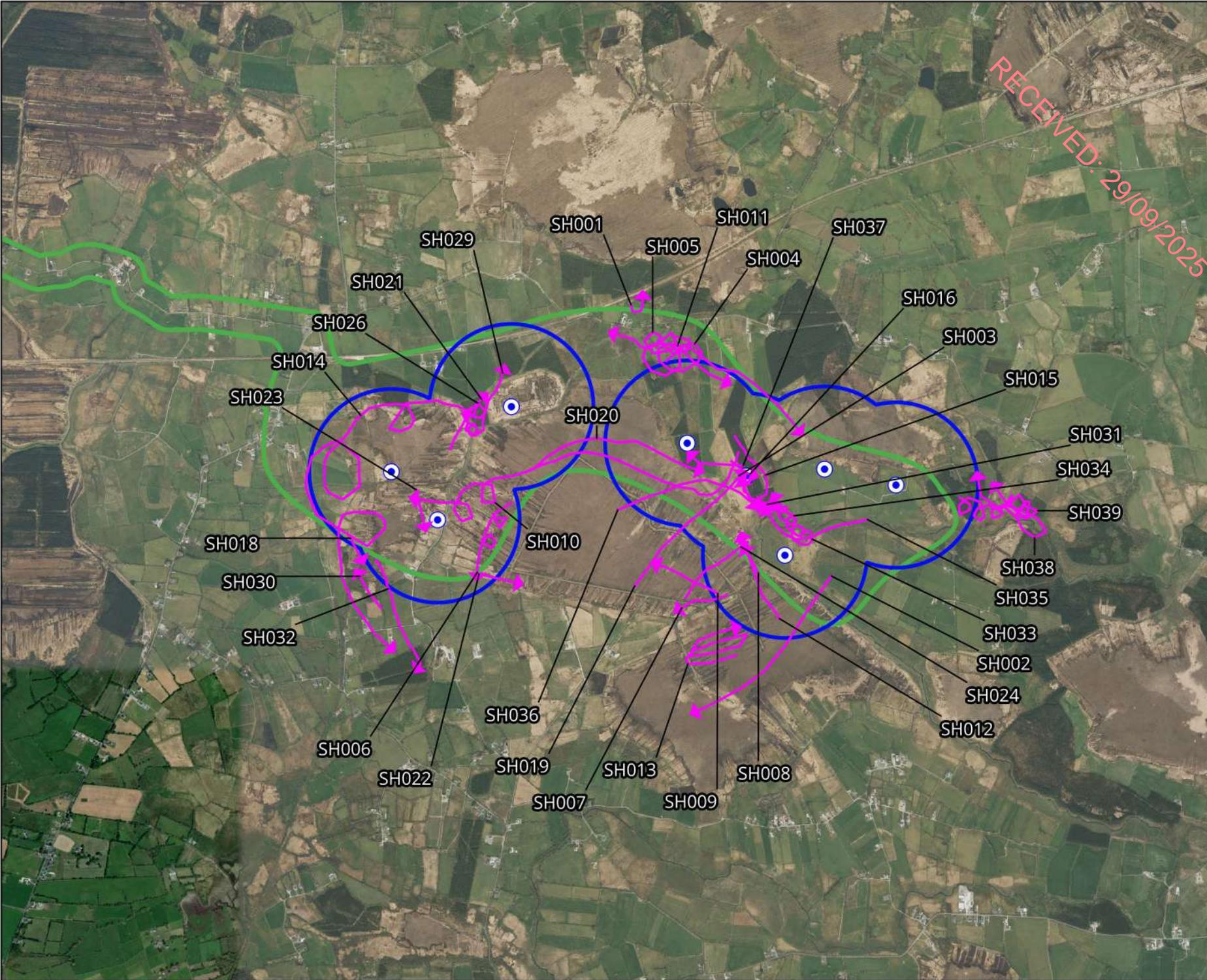
Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SH001	08/03/2022	13:15		Sparrowhawk	1	bogs; travelling, flew past when I was watching k.	PC
SH002	20/11/2023	10:48		Sparrowhawk	1	bogs and linear woodland/scrub; hunting, probable male	PC
SH003	15/01/2024	11:47		Sparrowhawk	1	improved agricultural grassland; travelling, female	PC

Table 7 - 4 - 72 Incidental observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SH001	Waterbird Distribution Survey; Killimor bog	29/09/2021	10:55	Sparrowhawk	1	bogs; travelling, female in flight	PC
SH002	Hen Harrier Roost Survey; HHVP4	26/10/2021	17:33	Sparrowhawk	1	cutover bog; travelling	PM
SH003	Hen Harrier Roost Survey; HHVP4	26/10/2021	17:54	Sparrowhawk	1	cutover bog; travelling	PM
SH005	Vantage Point Survey; VP1	13/10/2022	11:32	Sparrowhawk	1	bogs; travelling, male	PC
SH006	Hen Harrier Roost Survey; HHVP2	19/12/2022	15:45	Sparrowhawk	1	upland blanket bog and conifer plantation; circling, female	PM
SH007	Hen Harrier Roost Survey; HHVP5	30/01/2023	15:41	Sparrowhawk	1	bogs; hunting, female, very low over bog.	PC
SH008	Waterbird Distribution Survey; Dominick's Hill Quarry	06/03/2023	11:32	Sparrowhawk	1	other artificial lakes and ponds and improved agricultural grassland; travelling, male, flew across road in front of car	PC
SH009	Waterbird Distribution Survey; Laragh Bog	20/03/2023	11:19	Sparrowhawk	1	bogs and linear woodland/scrub; travelling	PC
SH010	Waterbird Distribution Survey; Knockroe	05/04/2023	09:19	Sparrowhawk	1	improved agricultural grassland; hunting, female	PC
SH011	Waterbird Distribution Survey; Laragh bog	19/04/2023	09:55	Sparrowhawk	1	linear woodland/scrub and bogs; travelling	PC
SH012	Waterbird Distribution Survey; Killimor River	20/10/2023	10:21	Sparrowhawk	1	improved agricultural grassland, bogs and linear woodland/scrub; travelling	PC
SH013	Hen Harrier Roost Survey; HHVP1	10/11/2023	08:45	Sparrowhawk	1	bogs; hunting, low over bog	PC
SH014	Hen Harrier Roost Survey; Gannow	28/11/2023	08:12	Sparrowhawk	1	bogs and scrub/transitional woodland; travelling, female	PC
SH015	Waterbird Distribution Survey; Dominick's Hill Quarry	01/12/2023	10:19	Sparrowhawk	1	other artificial lakes and ponds and improved agricultural grassland; travelling, male, briefly seen perched on fencepost	PC
SH016	Vantage Point Survey; VP2	16/01/2024	09:58	Sparrowhawk	1	conifer plantation; travelling	PC

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SH017	Vantage Point Survey; VP2	16/01/2024	12:26	Sparrowhawk	1	conifer plantation; travelling, briefly seen, mobbed by ravens	PC
SH018	Vantage Point Survey; VP2	13/02/2024	13:24	Sparrowhawk	1	highly modified/non-native woodland; mobbing	PC
SH019	Winter Walkover Survey; HHVP4	16/02/2024	13:24	Sparrowhawk	1	bogs; travelling	PC
SH020	Waterbird Distribution Survey; Killimor	15/03/2024	10:31	Sparrowhawk	1	conifer plantation and improved agricultural grassland; soaring, female, also seen briefly displaying	PC
SH021	Waterbird Distribution Survey; Lisduff	19/04/2024	07:28	Sparrowhawk	1	improved agricultural grassland and linear woodland/scrub; travelling, seemed to flush from trees at side of road	PC
SH022	Waterbird Distribution Survey; Dominick's Hill	16/09/2024	09:16	Sparrowhawk	1	conifer plantation and improved agricultural grassland; flushed, travelling, female, seemed to be flushed out of forestry by ringtail hen harrier	PC
SH023	Waterbird Distribution Survey; Killimor Bog	16/09/2024	10:53	Sparrowhawk	1	bogs; mobbed, travelling, female, mobbed by hooded crow	PC
SH024	Hen Harrier Roost Survey; HHVP2	21/11/2024	16:12	Sparrowhawk	1	bogs; flying	ZOC
SH025	Hen Harrier Roost Survey; Derrynamanagh	09/01/2025	16:12	Sparrowhawk	1	recently felled woodland; travelling	PC
SH026	Hen Harrier Roost Survey; HHVP6	27/02/2025	17:35	Sparrowhawk	1	bogs; commuting	CG
SH027	Hen Harrier Roost Survey; HHVP2	05/03/2025	17:23	Sparrowhawk	1	cutover bog, conifer plantation and improved agricultural grassland; commuting	CG

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- ### Map Legend
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 - Proposed Turbine Layout
 - 500m Buffer of Proposed Turbine Layout
 - Flightline

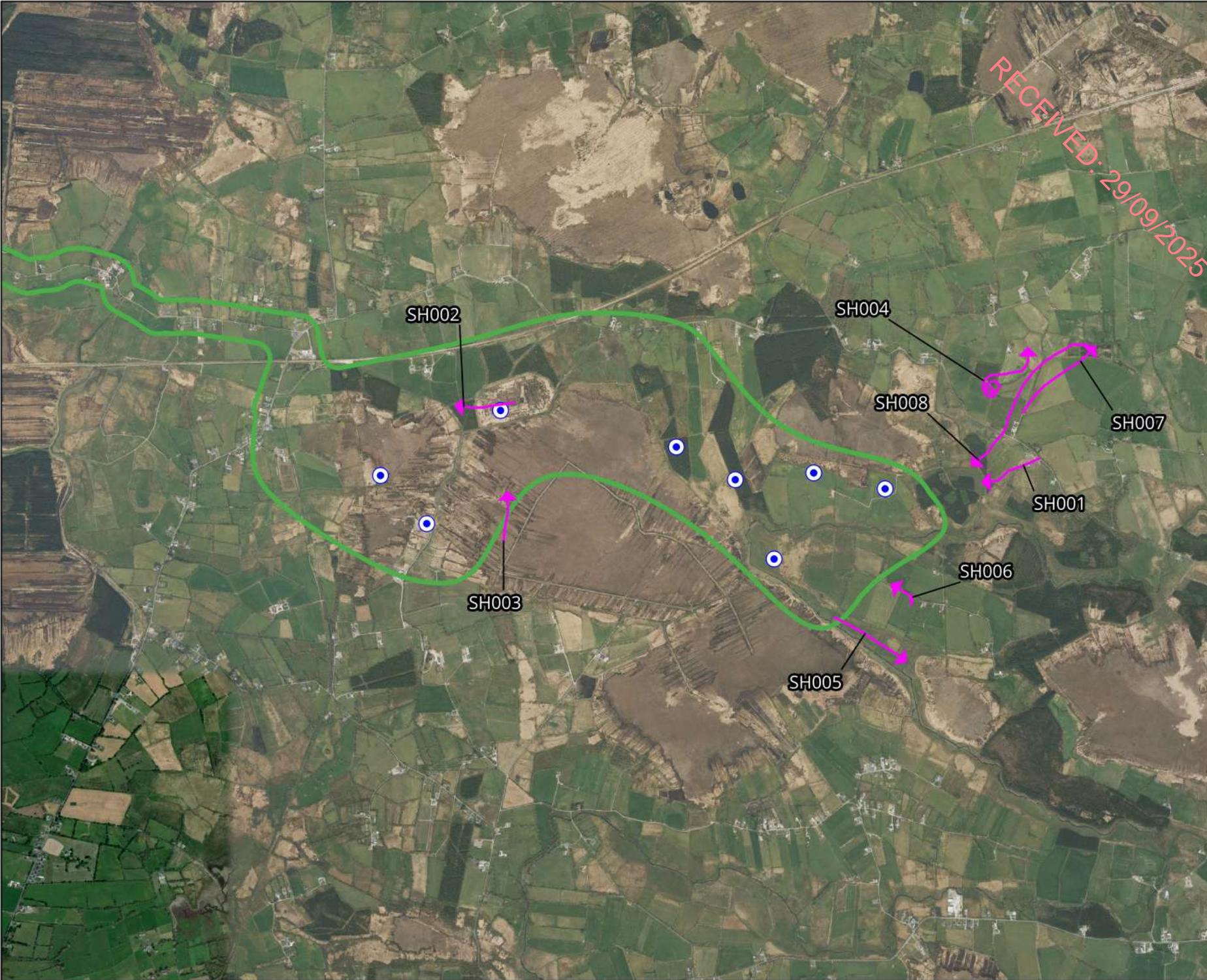


Drawing Title Sparrowhawk Observations Vantage Point Surveys	
Project Title Gannow Renewable Energy Development	
Drawn By CC	Checked By PM
Project No. 240323	Drawing No. Fig 7-4-68
Scale 1:30,000	Date 11.07.2025



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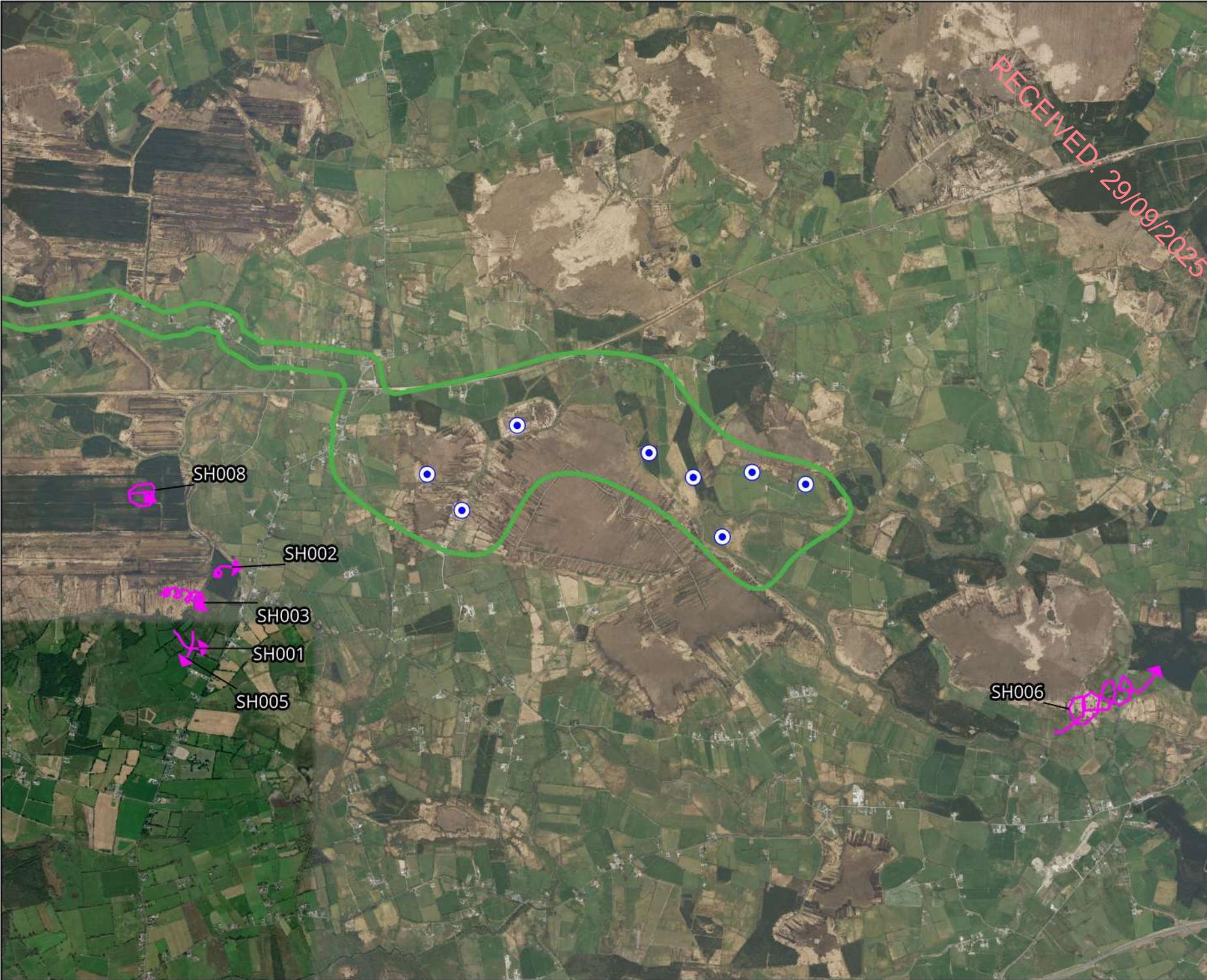
-  EIAR Site Boundary
-  Proposed Turbine Layout
-  Flightline



Drawing Title Sparrowhawk Observations Breeding Walkover Survey	
Project Title Gannow Renewable Energy Development	
Drawn By CC	Checked By PM
Project No. 240323	Drawing No. Fig 7-4-69
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SH008

SH002

SH003

SH001

SH005

SH006

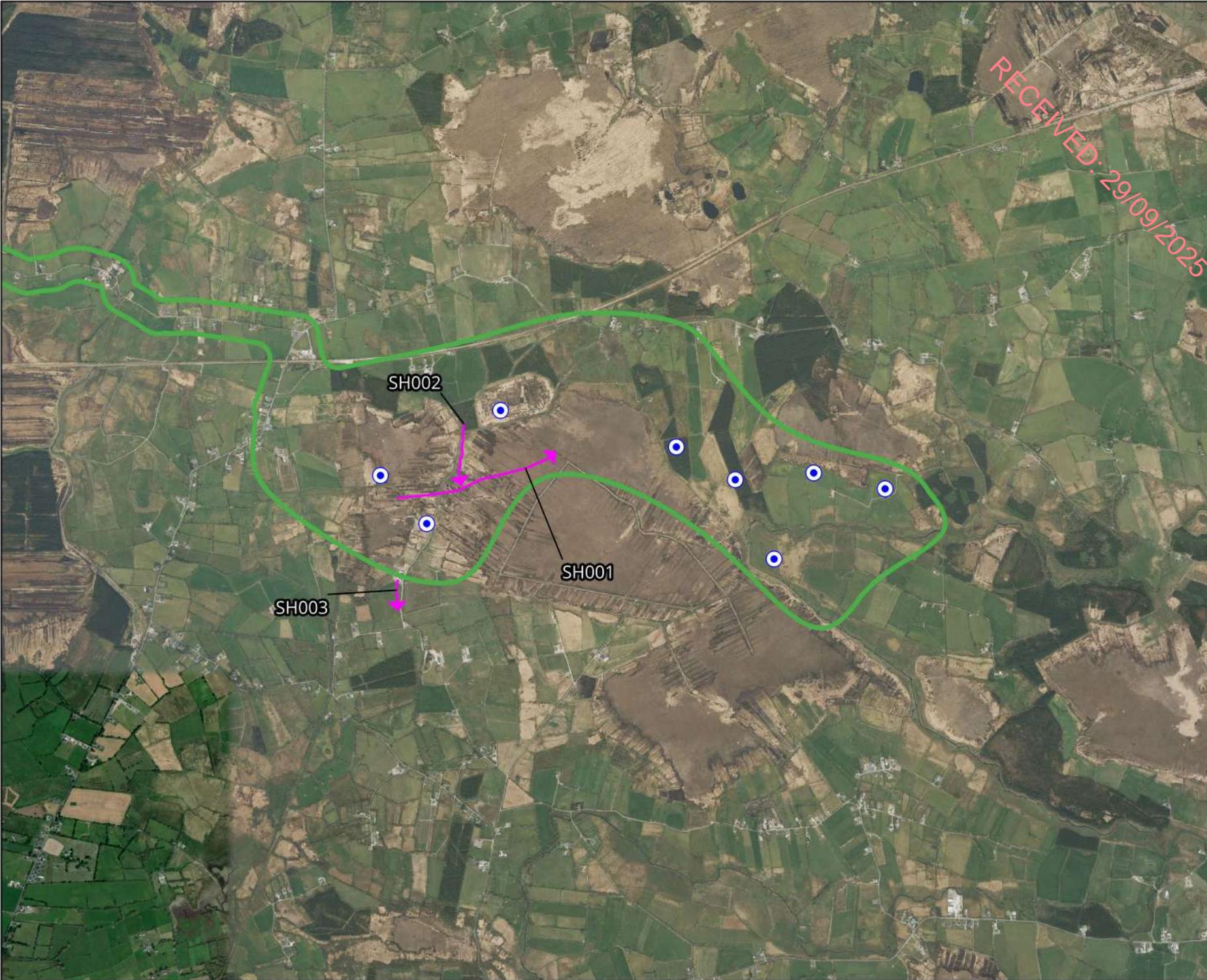


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Project Title Gannow Renewable Energy Development	
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Project No. 240323	Drawing No. Fig 7-4-70
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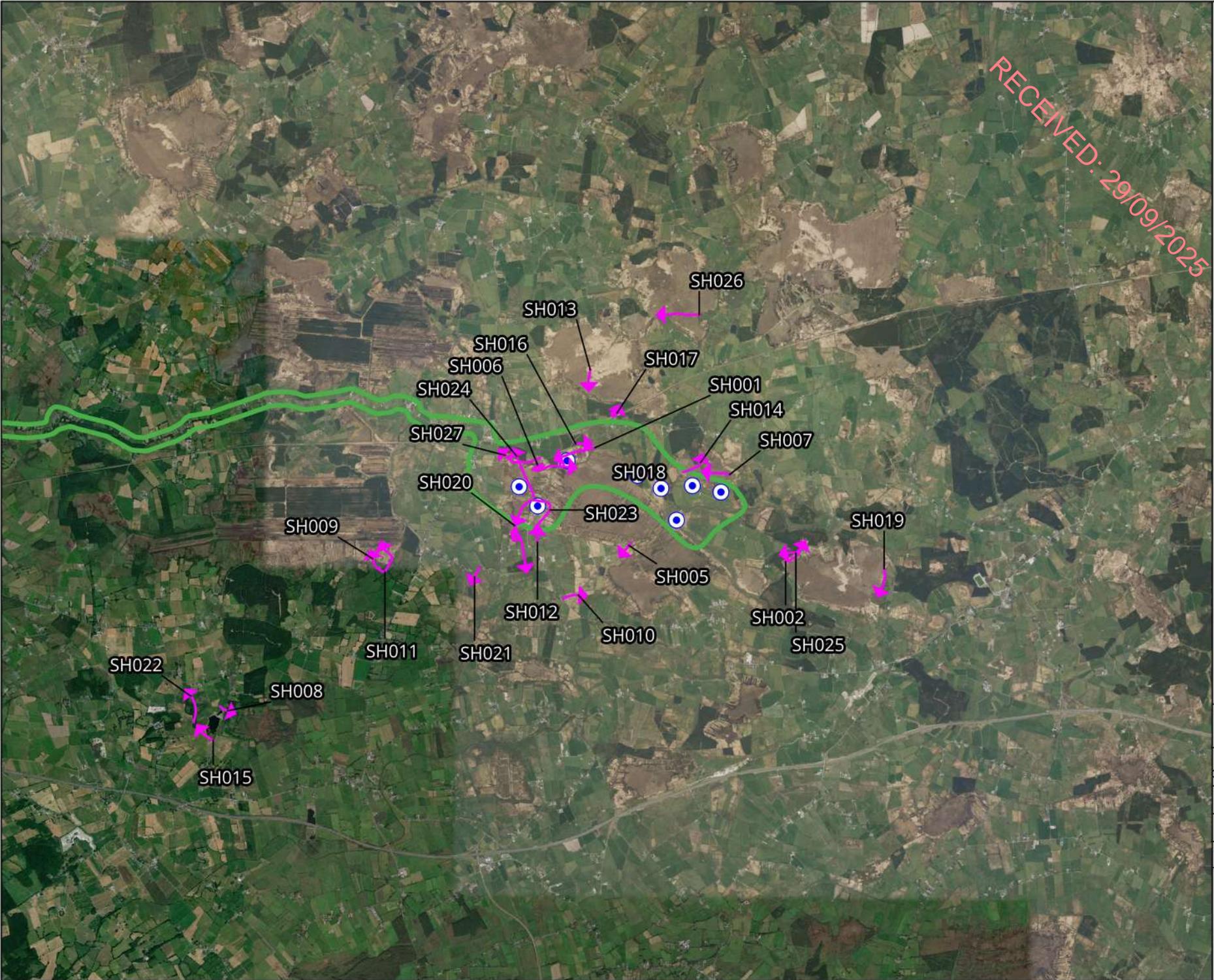
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Project Title Gannow Renewable Energy Development	
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Scale 1:30,000	Date 11.07.2025



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Drawing Title	
Sparrowhawk Incidental Observations	
Project Title	
Gannow Renewable Energy Development	
Drawn By	Checked By
CC	PM
Project No.	Drawing No.
240323	Fig 7-4-72
Scale	Date
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