

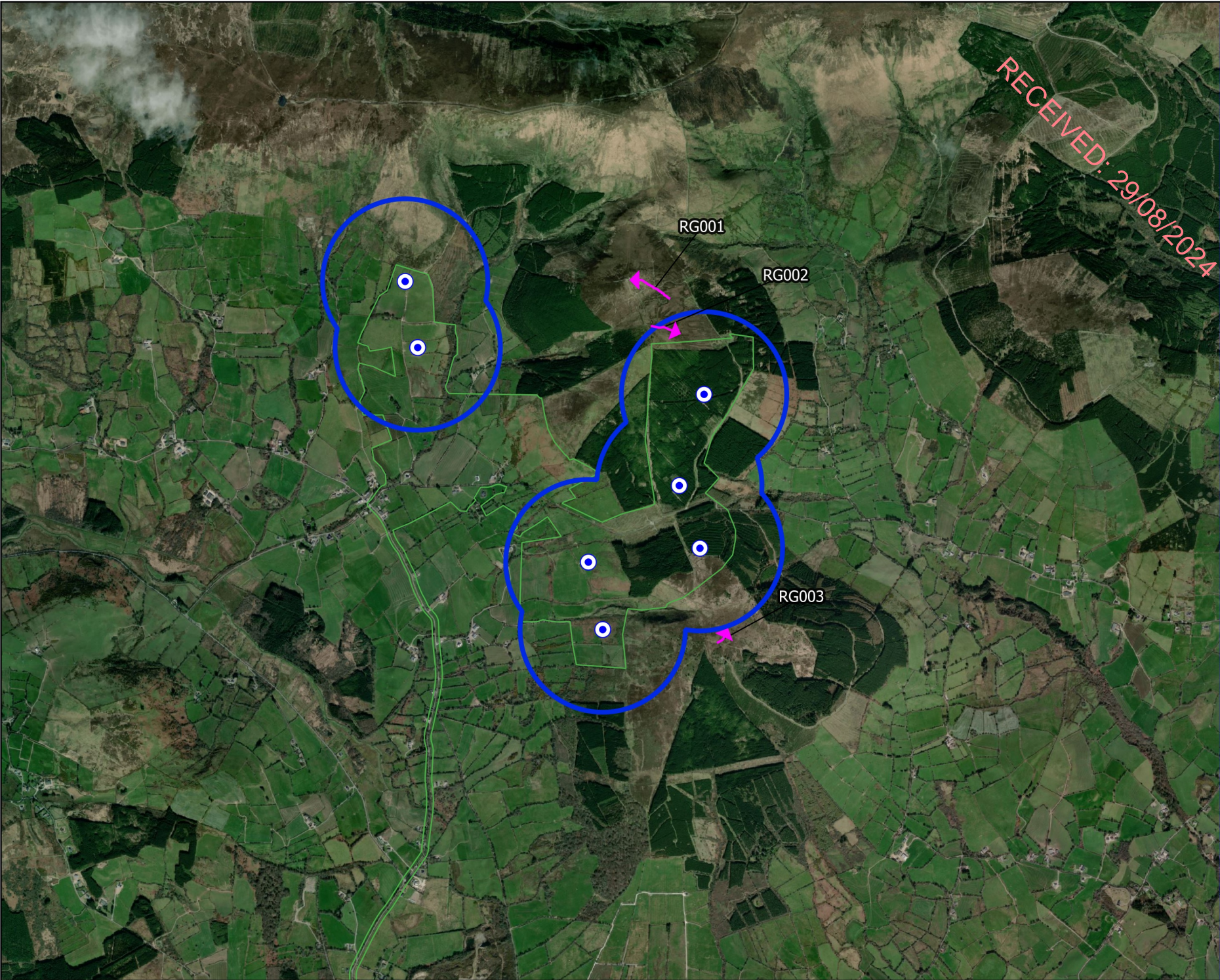
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## APPENDIX 7-4d

**SURVEY DATA**





Map Legend

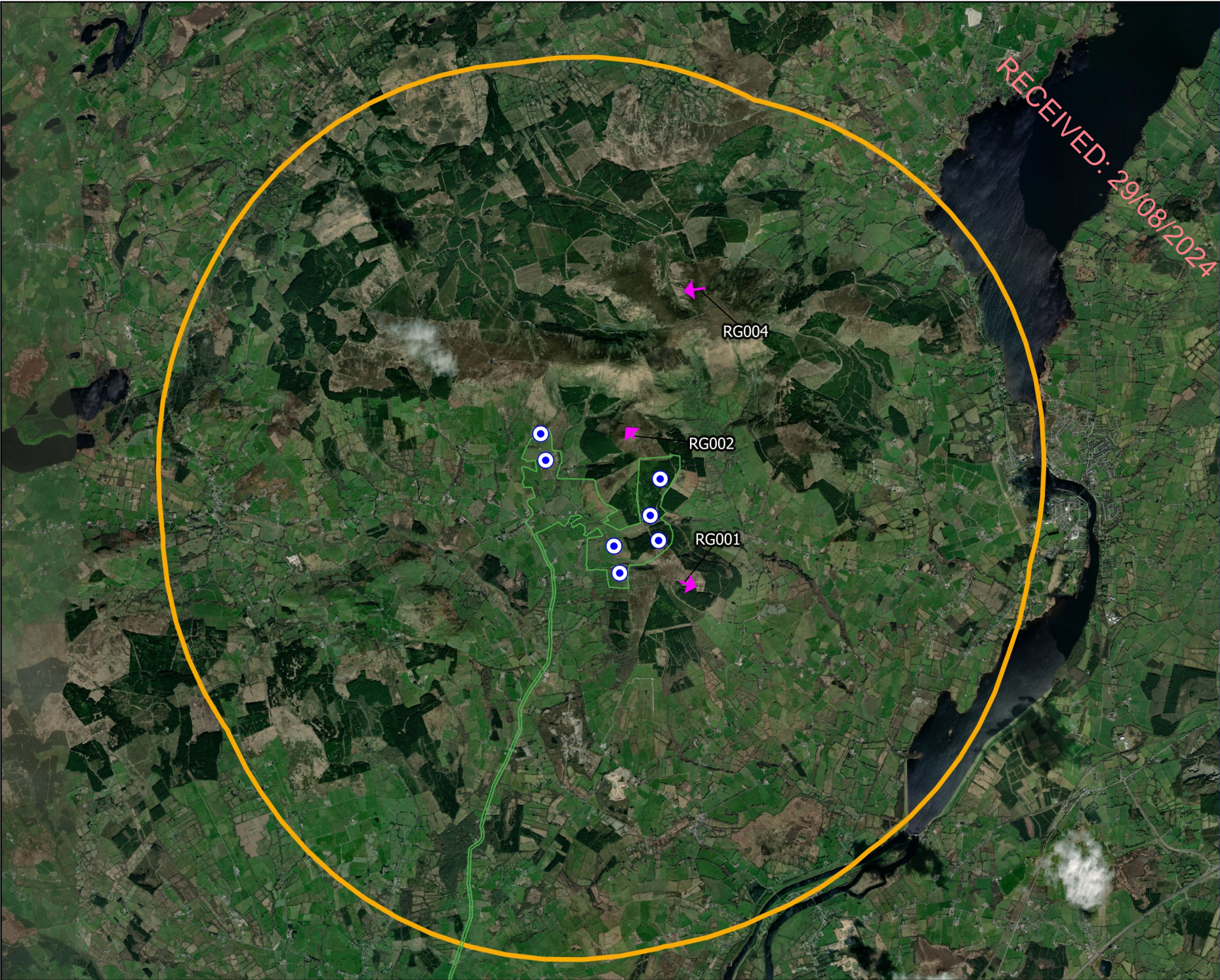
- EIA Site Boundary
- 500m Radius of Turbines
- Turbine Locations
- Flightline



Drawing Title	
Red Grouse Observations Winter Walkover Surveys	
Project Title	
Lackareagh Wind Farm, Co. Clare	
Drawn By	Checked By
SA	KS
Project No.	Drawing No.
220245	Fig. 7-4-20
Scale	Date
1:30,000	14/05/2024
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### Map Legend

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



Drawing Title	
Red Grouse Incidental Observations	
Project Title	
Lackareagh Wind Farm, Co. Clare	
Drawn By	Checked By
SA	KS
Project No.	Drawing No.
220245	Fig. 7-4-21
Scale	Date
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7.

## SNIFE

Table 7-4- 22 Snipe Vantage Point Survey Data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
SN001	VP2	12/01/2021	09:13	Snipe	1	30	0	0	30	0	improved agricultural grassland; flight, travelling	TR
SN002	VP3	12/01/2021	12:30	Snipe	1	25	25	0	0	0	improved agricultural grassland; flying, flight	TR
SN003	VP3	13/04/2021	16:09	Snipe	1	3	0	0	0	0	improved agricultural grassland; flying	CMC
SN004	VP4	19/04/2021	21:14	Snipe	1	-	-	-	-	-	improved agricultural grassland; calling, in the dark, no visual	CMC
SN005	VP4	19/04/2021	21:14	Snipe	1	-	-	-	-	-	improved agricultural grassland; calling, in the dark, no visual	CMC
SN006	VP3a	19/11/2021	07:20	Snipe	1	5	5	0	0	0	dry meadows and grassy verges, improved agricultural grassland and hedgerows; flight, snipe flew overhead across graveyard.	SOB

Table 7-4- 23 Snipe Winter Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	05/03/2021	14:52	Snipe	2	upland blanket bog; flushed (wintering)	TK
SN002	05/03/2021	14:56	Snipe	1	upland blanket bog; flushed (wintering)	TK
SN003	26/11/2021	11:06	Snipe	1	upland blanket bog; flushed (wintering)	JG
SN004	26/11/2021	12:59	Snipe	1	upland blanket bog; flushed (wintering)	JG
SN005	26/11/2021	13:03	Snipe	1	upland blanket bog; flushed (wintering)	JG
SN006	15/02/2023	15:04	Snipe	1	conifer plantation and upland blanket bog; flushed (wintering)	JG

Table 7-4- 24 Snipe Waterbird Distribution and Abundance Survey Data

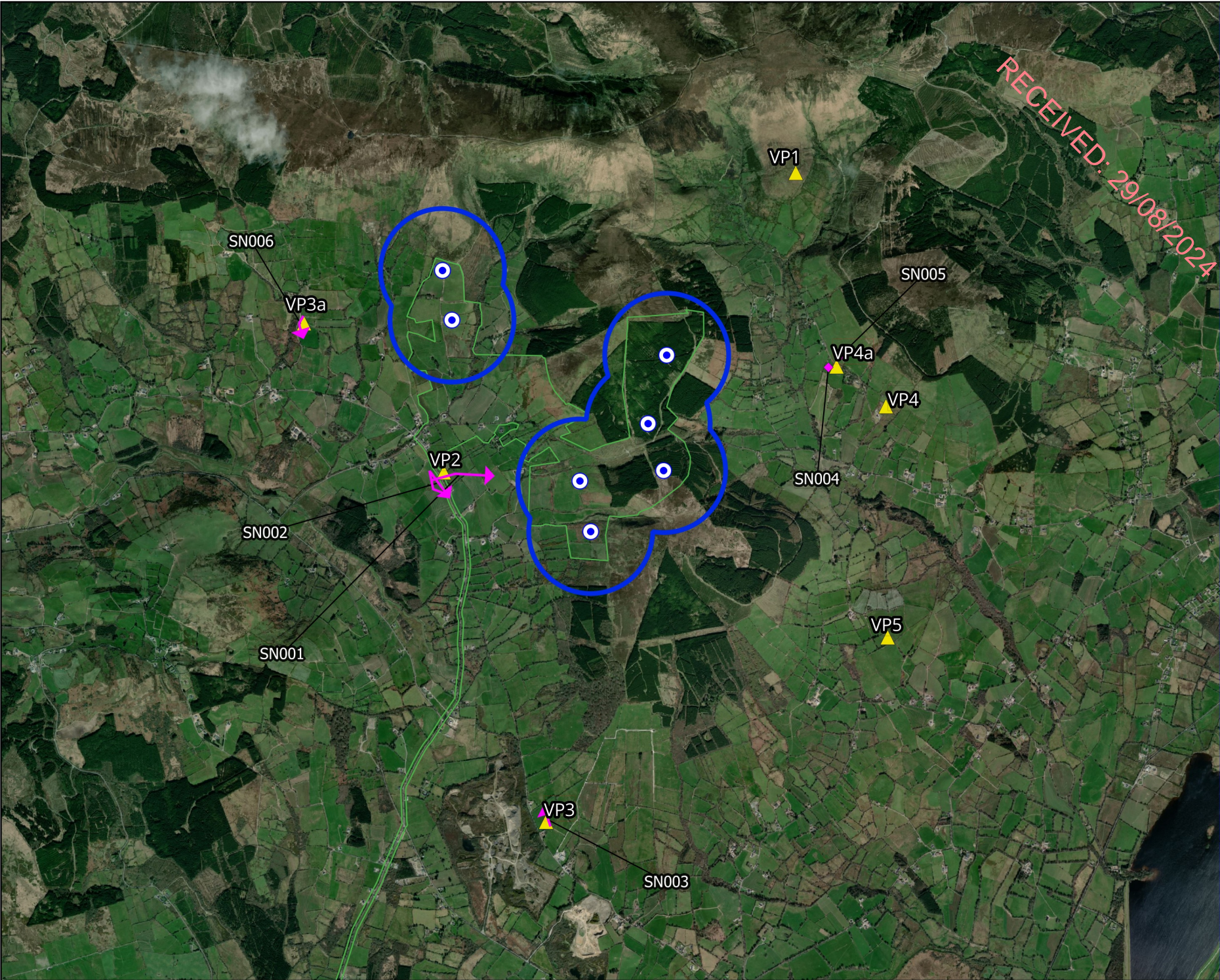
Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	WFVP10	09/12/2020		Snipe	23	buildings and artificial surfaces; terrestrial	JK
SN002	WFVP10	11/11/2021	10:37	Snipe	3	depositing/lowland rivers; flushed	TR



Table 7-4- 25 Snipe Incidental Observation Data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	Breeding Red Grouse Survey; 52.79700653, -8.528958298	08/02/2021	08:39	Snipe	1	bogs; flushed	JC
SN002	Breeding Red Grouse Survey; 52.79756827, .8530886136	08/02/2021	13:30	Snipe	4	bogs; flushed	JC
SN003	Breeding Red Grouse Survey; 52.79856138, -8.532580286	08/02/2021	14:30	Snipe	1	bogs; flushed	JC
SN004	Breeding Woodcock Survey; WK3	23/06/2021	14:35	Snipe	1		AC
SN005	Hen Harrier Roost Survey; HHVP6	03/10/2022	19:33	Snipe	2	upland blanket bog and conifer plantation; flushed	JG
SN006	Hen Harrier Roost Survey; HHVP2	27/10/2022	17:26	Snipe	2	scrub and improved agricultural grassland; flushed	JG
SN007	Hen Harrier Roost Survey; near Kilbane, Scots bridge	25/01/2023	17:45	Snipe	1	improved agricultural grassland; travelling, flying	JG
SN008	Breeding Red Grouse Survey; Lackereagh mountain	24/02/2023	10:15	Snipe	1	upland blanket bog; flushed	JG
SN009	Breeding Red Grouse Survey; Lackereagh mountain	24/02/2023	10:22	Snipe	1	upland blanket bog; flushed	JG





### Map Legend

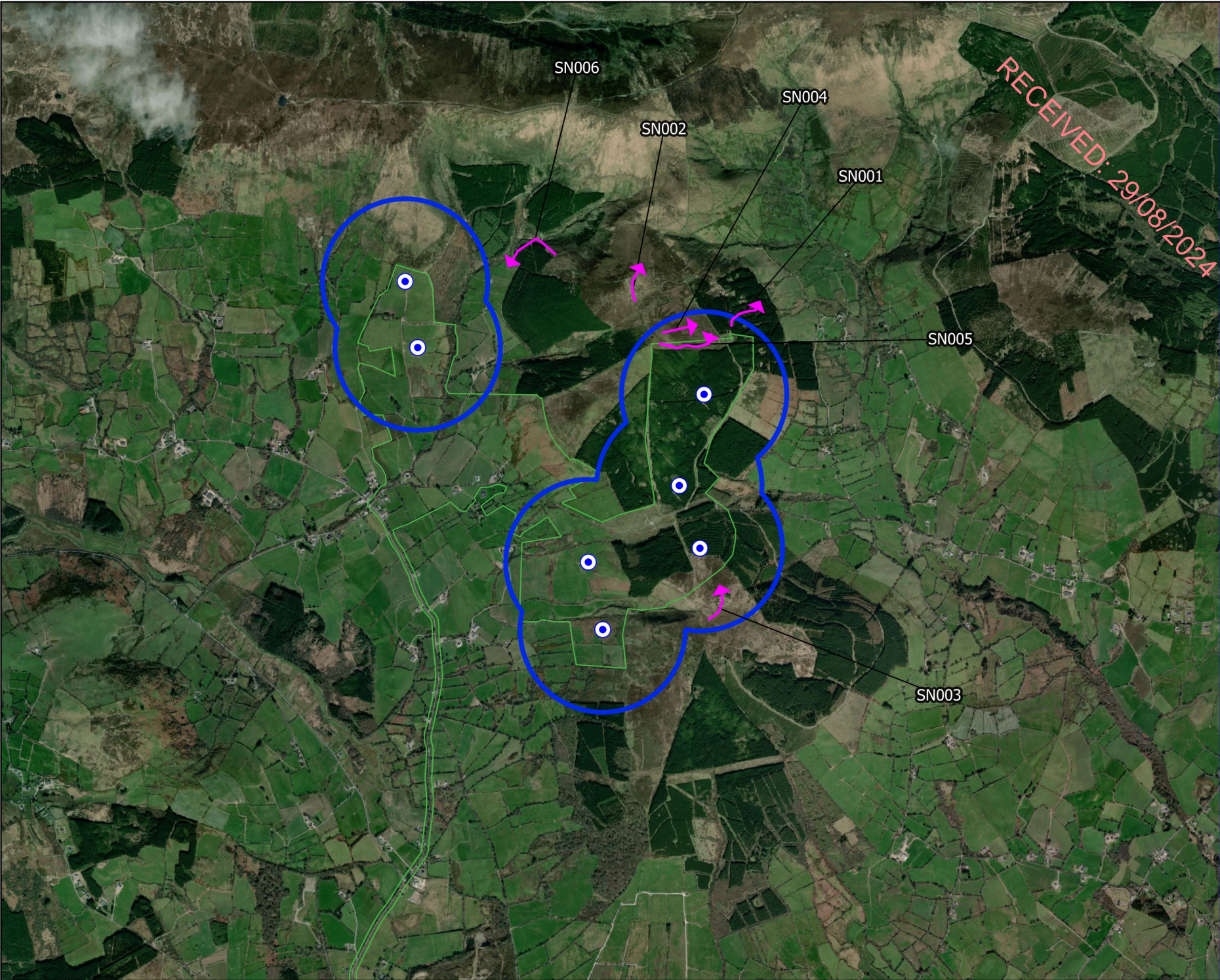
- EIAR Site Boundary
- 500m Radius of Turbines
- VP Locations
- Turbine Locations
- Flightline
- Observation

Drawing Title	
Snipe Observations Vantage Point Surveys	
Project Title	
Lackareagh Wind Farm, Co. Clare	
Drawn By	Checked By
SA	KS
Project No.	Drawing No.
220245	Fig. 7-4-22
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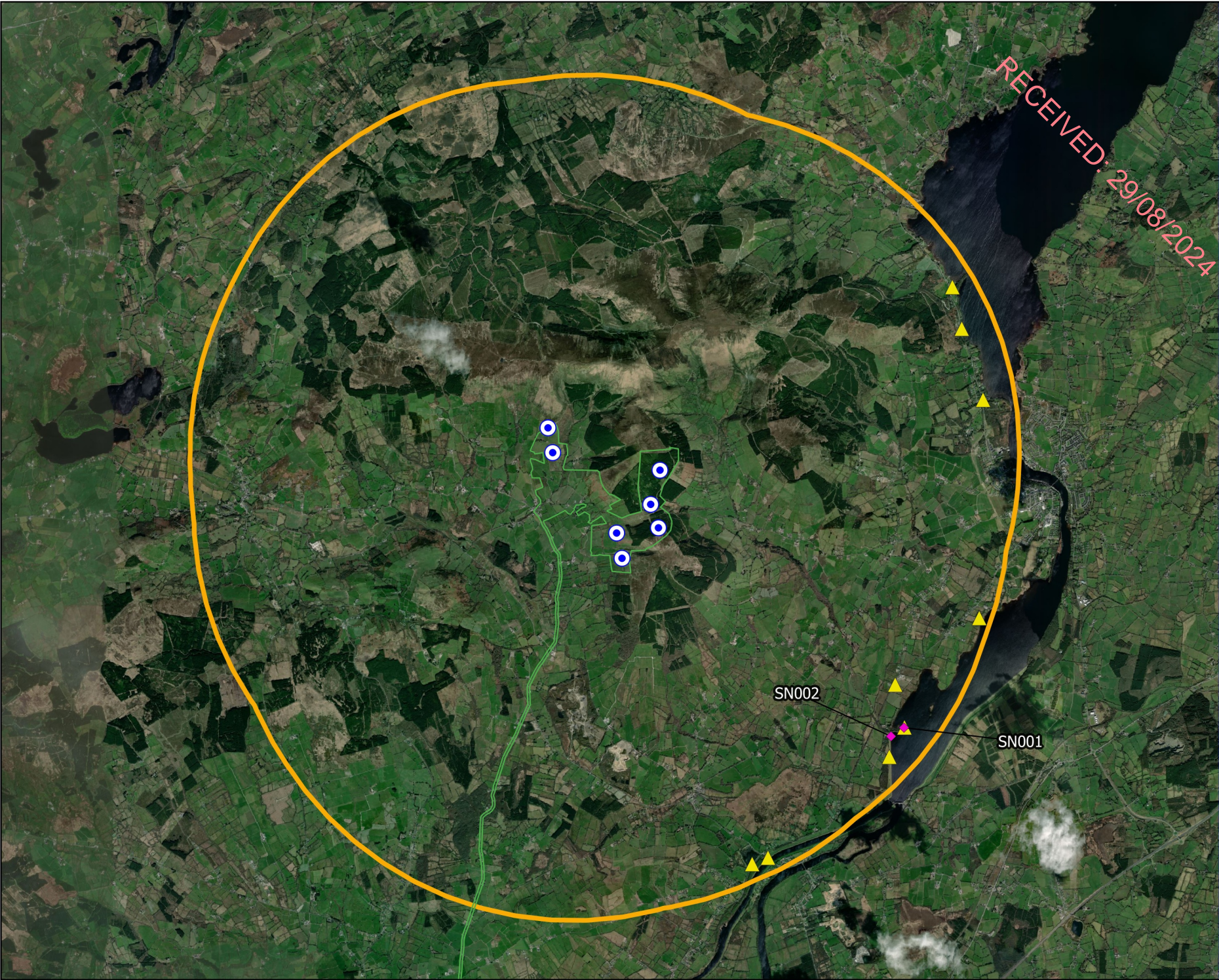
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- Map Legend
- EIA Site Boundary
  - 500m Radius of Turbines
  - Turbine Locations
  - Flightline



Drawing Title	
Snipe Observations Winter Walkover Surveys	
Project Title	
Lackareagh Wind Farm, Co. Clare	
Drawn By	Checked By
SA	KS
Project No.	Drawing No.
220245	Fig. 7-4-23
Scale	Date
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Map Legend

- EIA Site Boundary
- 5km Survey Radius
- Waterbird Observation Points
- Turbine Locations
- Observation



Drawing Title	
Snipe Observations Waterbird Distribution and Abundance Surveys	
Project Title	
Lackareagh Wind Farm, Co. Clare	
Drawn By	Checked By
SA	KS
Project No.	Drawing No.
220245	Fig. 7-4-24
Scale	Date
1:80,000	14/05/2024
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- Map Legend
- EIAR Site Boundary
  - 5km Survey Radius
  - Turbine Locations
  - Flightline
  - Observation



Drawing Title	
Snipe Incidental Observations	
Project Title	
Lackareagh Wind Farm, Co. Clare	
Drawn By	Checked By
SA	KS
Project No.	Drawing No.
220245	Fig. 7-4-25
Scale	Date
1:75,000	14/05/2024
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8.

## BUZZARD

Table 7-4- 26 Buzzard Vantage Point Survey Data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ001	VP2	02/10/2020	15:22	Buzzard	1	142	0	35	107	0	conifer plantation and improved agricultural grassland; soaring	JH
BZ002	VP3	26/10/2020	14:27	Buzzard	3	120	0	40	80	0	conifer plantation; soaring, chasing	AR
BZ003	VP3	26/10/2020	15:12	Buzzard	1	60	0	40	20	0	conifer plantation and oak-ash-hazel woodland; travelling	AR
BZ004	VP5	28/10/2020	-	Buzzard	1	20	20	0	0	0	improved agricultural grassland; flying	JK
BZ005	VP2	05/11/2020	-	Buzzard	1	20	20	0	0	0	improved agricultural grassland; flying	JK
BZ006	VP4	18/11/2020	10:55	Buzzard	1	80	0	80	0	0	improved agricultural grassland and conifer plantation; travelling	TR
BZ007	VP2	14/12/2020	12:18	Buzzard	1	130	130	0	0	0	upland blanket bog; gliding, flight	TR
BZ008	VP2	14/12/2020	12:54	Buzzard	1	180	90	90	0	0	semi-natural grassland; circling, mobbed by Hooded Crow	TR
BZ009	VP2	14/12/2020	13:15	Buzzard	1	60	0	20	40	0	conifer plantation; gliding, gliding	TR
BZ010	VP2	14/12/2020	13:22	Buzzard	1	35	15	5	15	0	semi-natural grassland; flying, landing, foraging on field	TR
BZ011	VP2	14/12/2020	14:44	Buzzard	1	110	0	110	0	0	improved agricultural grassland and conifer plantation; flight, flight	TR
BZ012	VP2	14/12/2020	15:09	Buzzard	1	190	0	190	0	0	conifer plantation; gliding, flight	TR
BZ013	VP2	14/12/2020	15:13	Buzzard	1	60	0	60	0	0	conifer plantation; gliding, flight	TR
BZ014	VP2	14/12/2020	16:35	Buzzard	1	15	15	0	0	0	mixed broadleaved woodland; landing, landing presumably to roost	TR
BZ015	VP4	15/12/2020	-	Buzzard	1	70	70	0	0	0	improved agricultural grassland; travelling, mobbed by Hooded Crows	JK
BZ016	VP3	17/12/2020	11:14	Buzzard	2	280	0	280	0	0	conifer plantation, improved agricultural grassland and mixed broadleaved woodland; circling, gliding slowly	TR
BZ017	VP3	17/12/2020	14:45	Buzzard	1	400	300	100	0	0	improved agricultural grassland and conifer plantation; gliding, slow flight	TR
BZ018	VP3	17/12/2020	14:51	Buzzard	1	10	10	0	0	0	improved agricultural grassland; flight	TR



Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ019	VP2	12/01/2021	09:20	Buzzard	1	70	70	0	0	0	improved agricultural grassland and hedgerows; flying, mobbed by Hooded Crow	TR
BZ020	VP2	12/01/2021	09:45	Buzzard	1	15	0	15	0	0	improved agricultural grassland; flight, short flight	TR
BZ021	VP3	28/01/2021	13:11	Buzzard	1	10	10	0	0	0	improved agricultural grassland and hedgerows; perching, landed on tree	TR
BZ022	VP3	28/01/2021	13:16	Buzzard	1	25	25	0	0	0	improved agricultural grassland; travelling, mobbed by Hooded Crow	TR
BZ023	VP4	12/02/2021	13:40	Buzzard	1	220	0	220	0	0	semi-natural grassland and conifer plantation; hunting, hovering intermittently	TR
BZ024	VP2	12/02/2021	14:58	Buzzard	1	35	0	35	0	0	dry meadows and grassy verges; soaring	JK
BZ026	VP4	12/02/2021	16:52	Buzzard	1	80	0	35	35	0	improved agricultural grassland and conifer plantation; travelling, brief circling	TR
BZ027	VP2	12/02/2021	17:01	Buzzard	1	40	40	0	0	0	conifer plantation; travelling	JK
BZ028	VP1	18/02/2021	17:10	Buzzard	1	35	0	35	0	0	conifer plantation; travelling	JK
BZ029	VP1	18/02/2021	17:25	Buzzard	1	270	70	150	50	0	conifer plantation; hunting	JK
BZ030	VP3	24/02/2021	15:10	Buzzard	1	25	25	0	0	0	improved agricultural grassland; travelling, out of view behind hedgerow	TR
BZ031	VP4	06/03/2021	13:37	Buzzard	1	375	0	0	375	0	conifer plantation and upland blanket bog; soaring	TK
BZ032	VP1	07/03/2021	12:18	Buzzard	1	160	0	0	160	0	conifer plantation; soaring	TK
BZ033	VP1	07/03/2021	12:56	Buzzard	1	225	0	0	225	0	conifer plantation; soaring	TK
BZ034	VP4	09/03/2021	12:13	Buzzard	1	40	0	20	20	0	conifer plantation, semi-natural grassland and bogs; gliding	TR
BZ035	VP3	15/03/2021	07:42	Buzzard	1	8	8	0	0	0	improved agricultural grassland and hedgerows; flying, perched, perched	TR
BZ041	VP2	08/04/2021	16:34	Buzzard	1	5	0	0	5	0	conifer plantation; hovering, flying	CMC
BZ043	VP2	08/04/2021	20:18	Buzzard	1	12	2	2	11	0	conifer plantation and improved agricultural grassland; flying, landed	CMC
BZ044	VP2	14/06/2021	12:00	Buzzard	1	25	0	10	15	0	bogs and improved agricultural grassland; flying	CMC



Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ045	VP2	14/06/2021	14:25	Buzzard	1	15	0	0	5	10	conifer plantation; flying, hovering on thermals, gaining height while moving away	CMC
BZ046	VP2	14/06/2021	14:48	Buzzard	1	45	0	45	0	0	improved agricultural grassland and conifer plantation; flying, flying slowly along forestry edge	CMC
BZ047	VP2	14/06/2021	15:01	Buzzard	1	70	0	10	20	40	bogs, conifer plantation and improved agricultural grassland; flying, circling, circling and gaining height. circled over 200m for 10mins	CMC
BZ048	VP4	18/06/2021	11:37	Buzzard	2	15	0	0	15	0	conifer plantation; flying, hovering	CMC
BZ049	VP4	18/06/2021	11:43	Buzzard	2	25	0	0	25	0	conifer plantation and improved agricultural grassland; circling	CMC
BZ050	VP4	18/06/2021	16:38	Buzzard	1	30	0	0	20	10	conifer plantation and improved agricultural grassland; circling	CMC
BZ051	VP3	28/06/2021	10:13	Buzzard	1	10	0	2	8	0	conifer plantation; circling, circling briefly, dropped into forestry	CMC
BZ052	VP2	12/07/2021	13:58	Buzzard	1	15	0	0	15	0	improved agricultural grassland and conifer plantation; circling	CMC
BZ053	VP4	13/07/2021	11:32	Buzzard	1	10	0	0	10	0	improved agricultural grassland and conifer plantation; circling, flying	CMC
BZ054	VP4	13/07/2021	16:10	Buzzard	1	7	0	0	7	0	improved agricultural grassland; flying, circling over VP, flew out of viewshed	CMC
BZ055	VP5	14/07/2021	16:26	Buzzard	1	45	0	0	0	45	improved agricultural grassland; circling, flying, circling, gaining height as it flew	CMC
BZ056	VP3	16/07/2021	12:10	Buzzard	1	15	0	0	15	0	improved agricultural grassland and conifer plantation; flying	CMC
BZ057	VP2	23/07/2021	05:55	Buzzard	1	10	10	0	0	0	improved agricultural grassland and hedgerows; travelling flight	JG
BZ058	VP1	24/07/2021	16:06	Buzzard	1	15	15	0	0	0	conifer plantation; travelling flight	JG
BZ059	VP3	29/07/2021	05:28	Buzzard	1	10	10	0	0	0	improved agricultural grassland and hedgerows; calling, travelling flight, heard calls for few mins, only saw briefly	JG
BZ060	VP2	03/08/2021	14:12	Buzzard	1	12	0	12	0	0	improved agricultural grassland; flying	CMC
BZ061	VP2	03/08/2021	14:57	Buzzard	1	7	7	0	0	0	improved agricultural grassland; flying, landed, landed on scrub	CMC



Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ062	VP2	03/08/2021	17:31	Buzzard	1	60	5	5	50	0	improved agricultural grassland; flying, landed	CMC
BZ063	VP2	03/08/2021	17:38	Buzzard	2	80	20	20	40	0	improved agricultural grassland and conifer plantation; flying, circling	CMC
BZ064	VP2	03/08/2021	17:55	Buzzard	1	15	0	0	15	0	conifer plantation and bogs; circling	CMC
BZ065	VP4	18/08/2021	15:19	Buzzard	2	65	0	0	65	0	conifer plantation and improved agricultural grassland; flying, circling, calling	CMC
BZ066	VP4	18/08/2021	15:24	Buzzard	2	30	0	0	30	0	conifer plantation and improved agricultural grassland; flying, circling, calling	CMC
BZ067	VP1	19/08/2021	16:04	Buzzard	1	15	0	0	15	0	conifer plantation; circling, calling	CMC
BZ068	VP4a	29/10/2021	14:09	Buzzard	1	50	5	25	20	0	treelines, improved agricultural grassland and wet grassland; evading, mobbed, Buzzard being mobbed by a pair of Hooded Crows. flew away and perched on tall tree.	SOB
BZ069	VP2	01/11/2021	12:22	Buzzard	1	305	0	200	105	0	conifer plantation, improved agricultural grassland and upland blanket bog; hunting, travelling flight	JG
BZ070	VP2	01/11/2021	13:42	Buzzard	1	55	0	55	0	0	improved agricultural grassland and conifer plantation; travelling flight	JG
BZ071	VP2	01/11/2021	13:54	Buzzard	1	22	0	22	0	0	improved agricultural grassland and conifer plantation; travelling flight	JG
BZ072	VP2	01/11/2021	14:01	Buzzard	1	207	0	0	207	0	improved agricultural grassland and highly modified/non-native woodland; travelling flight	JG
BZ073	VP3a	03/11/2021	15:22	Buzzard	1	35	35	0	0	0	improved agricultural grassland; mobbed	JG
BZ074	VP2	14/12/2021	12:41	Buzzard	1	280	30	30	220	0	conifer plantation; gliding, circling	TR
BZ075	VP2	14/12/2021	13:37	Buzzard	1	330	0	150	180	0	conifer plantation; circling	TR
BZ076	VP3a	15/12/2021	09:25	Buzzard	1	45	45	0	0	0	hedgerows; flying, perched	TR
BZ077	VP3a	15/12/2021	11:57	Buzzard	1	50	50	0	0	0	hedgerows; flying, perched	TR
BZ078	VP2	12/01/2022	15:51	Buzzard	1	50	20	30	0	0	improved grassland and highly modified/non-native woodland; gliding	TR



Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ079	VP3a	14/01/2022	14:49	Buzzard	1	45	45	0	0	0	highly modified/natural woodland and improved agricultural grassland; flight, disturbed by gunshots	TR
BZ080	VP4a	04/02/2022	09:07	Buzzard	1	25	0	0	25	0	semi-natural grassland and conifer plantation; flying, adult	SA
BZ081	VP4a	04/02/2022	11:25	Buzzard	2	200	0	40	160	0	semi-natural grassland; circling, flying, 2 adults	SA
BZ082	VP2	05/02/2022	12:18	Buzzard	1	45	0	0	45	0	semi-natural grassland and conifer plantation; circling, adult	SA
BZ084	VP2	03/03/2022	14:23	Buzzard	1	225	5	5	35	210	wet grassland, conifer plantation and heath; hunting, soaring, hovering, diving, buzzard soaring over forestry, glided around surrounding open areas, dived to ground then went to perch.	SOB
BZ085	VP2	03/03/2022	14:33	Buzzard	1	-	-	-	-	-	conifer plantation and wet grassland; perched, Buzzard perched on spruce tree at edge of plantation for at least 8 minutes.	SOB
BZ087	VP2	03/03/2022	16:28	Buzzard	1	50	5	25	20	0	conifer plantation, montane heath and dense bracken; flight, after fight with Kestrel Buzzard flew away, and flew into conifer woods	SOB
BZ088	VP4a	31/03/2022	15:38	Buzzard	1	220	0	0	220	0	conifer plantation and upland blanket bog; soaring	JG
BZ089	VP3a	31/03/2022	17:56	Buzzard	1	61	61	0	0	0	improved agricultural grassland and scrub; travelling flight	JG
BZ090	VP2	06/04/2022	07:58	Buzzard	1	15	15	0	0	0	improved agricultural grassland; foraging	JG
BZ091	VP2	06/04/2022	08:16	Buzzard	1	32	22	10	0	0	improved agricultural grassland and conifer plantation; travelling flight	JG
BZ092	VP3a	21/04/2022	09:51	Buzzard	1	10	10	0	0	0	improved agricultural grassland; travelling flight, foraging	JG
BZ093	VP3a	21/04/2022	12:23	Buzzard	1	840	400	440	0	0	upland blanket bog; hunting, mobbed, by pair of Kestrel	JG
BZ094	VP2	11/05/2022	16:46	Buzzard	1	1290	240	810	240	0	upland blanket bog and conifer plantation; travelling flight, soaring, mobbed, by Kestrel	JG



Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ095	VP2	11/05/2022	20:06	Buzzard	1	432	120	312	0	0	upland blanket bog and improved agricultural grassland; hunting, travelling flight	JG
BZ096	VP2	11/05/2022	20:37	Buzzard	1	1050	0	500	550	0	upland blanket bog and conifer plantation; hunting, soaring	JG
BZ097	VP3a	12/05/2022	19:15	Buzzard	1	510	60	180	270	0	improved agricultural grassland, upland blanket bog and scrub; mobbed, by Hooded Crow	JG
BZ098	VP3a	12/05/2022	20:50	Buzzard	1	30	0	30	0	0	improved agricultural grassland; mobbed, by Hooded Crow	JG
BZ099	VP3a	12/05/2022	20:50	Buzzard	2	3978	1000	2978	0	0	upland blanket bog; hunting, travelling flight, pair hovering for 1h	JG
BZ101	VP3a	24/05/2022	17:34	Buzzard	1	40	0	0	40	0	improved agricultural grassland and mixed broadleaved/conifer woodland; mobbed, by Hooded Crow	JG
BZ102	VP3a	24/05/2022	17:57	Buzzard	1	112	12	60	60	0	improved agricultural grassland; mobbed, hunting, by Hooded Crow	JG
BZ103	VP4a	24/05/2022	21:14	Buzzard	1	310	0	0	310	0	upland blanket bog and conifer plantation; soaring, travelling flight	JG
BZ104	VP3a	20/06/2022	14:09	Buzzard	1	120	60	60	0	0	upland blanket bog, scrub and improved agricultural grassland; hunting	JG
BZ105	VP4a	20/06/2022	17:34	Buzzard	1	250	20	30	200	0	improved agricultural grassland and conifer plantation; circling, travelling flight	JG
BZ107	VP2	21/06/2022	15:34	Buzzard	1	310	240	70	0	0	improved agricultural grassland, scrub and upland blanket bog; hunting	JG
BZ108	VP3a	28/06/2022	19:28	Buzzard	1	284	0	100	184	0	scrub, improved agricultural grassland and upland blanket bog; hunting	JG
BZ109	VP4a	05/07/2022	16:01	Buzzard	1	120	0	0	120	0	improved agricultural grassland and conifer plantation; travelling flight	JG
BZ110	VP3a	06/07/2022	12:37	Buzzard	1	288	60	60	168	0	improved agricultural grassland, scrub and upland blanket bog; hunting	JG
BZ111	VP4a	07/07/2022	11:58	Buzzard	1	15	15	0	0	0	improved agricultural grassland; travelling flight, perched	JG
BZ112	VP2	18/07/2022	15:34	Buzzard	1	126	0	126	0	0	upland blanket bog, scrub and conifer plantation; travelling flight, hunting	JG
BZ113	VP2	18/07/2022	16:50	Buzzard	1	320	0	0	320	0	conifer plantation and upland blanket bog; soaring, hunting	JG



Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ114	VP2	18/07/2022	16:50	Buzzard	1	339	0	60	279	0	upland blanket bog and conifer plantation; hunting	JG
BZ115	VP2	18/07/2022	17:03	Buzzard	1	905	120	60	725	0	conifer plantation, upland blanket bog and improved agricultural grassland; hunting, travelling flight	JG
BZ116	VP2	18/07/2022	17:45	Buzzard	1	40	40	0	0	0	improved agricultural grassland; hunting	JG
BZ117	VP3a	17/08/2022	13:17	Buzzard	1	153	0	0	153	0	improved agricultural grassland; soaring, travelling flight	JG
BZ118	VP4a	17/08/2022	13:50	Buzzard	1	290	10	10	200	70	improved agricultural grassland and scrub; soaring	JG
BZ119	VP4a	17/08/2022	15:33	Buzzard	1	39	0	39	0	0	improved agricultural grassland; mobbed, by hooded crow	JG
BZ120	VP4a	17/08/2022	16:29	Buzzard	1	275	0	0	275	0	improved agricultural grassland; travelling flight, calling	JG
BZ121	VP5	17/08/2022	16:32	Buzzard	1	125	0	0	125	0	conifer plantation and upland blanket bog; circling, calling	JG
BZ122	VP3a	18/08/2022	16:50	Buzzard	1	73	0	0	73	0	improved agricultural grassland; travelling flight	JG
BZ123	VP4a	18/08/2022	17:42	Buzzard	1	125	0	125	0	0	improved agricultural grassland; travelling flight	JG
BZ124	VP3a	18/08/2022	18:58	Buzzard	1	159	0	0	159	0	improved agricultural grassland and conifer plantation; hunting, travelling flight	JG
BZ125	VP3a	02/09/2022	15:36	Buzzard	2	855	600	255	0	0	upland blanket bog, scrub and conifer plantation; hunting	JG
BZ126	VP3a	02/09/2022	15:43	Buzzard	2	260	10	250	0	0	upland blanket bog, conifer plantation and scrub; hunting	JG
BZ127	VP4a	02/09/2022	16:16	Buzzard	1	180	0	180	0	0	upland blanket bog, conifer plantation and scrub; hunting	JG
BZ128	VP3a	02/09/2022	17:30	Buzzard	1	30	15	15	0	0	improved agricultural grassland and hedgerows; travelling flight	JG
BZ129	VP3a	02/09/2022	19:35	Buzzard	2	50	0	0	50	0	upland blanket bog; hunting, travelling flight	JG
BZ130	VP2	22/09/2022	16:40	Buzzard	1	155	10	10	15	0	conifer plantation and upland blanket bog; soaring	JG
BZ131	VP3a	07/10/2022	07:42	Buzzard	3	86	0	0	86	0	improved agricultural grassland; calling, travelling flight, mobbed	JG



Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	PCH (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ132	VP3a	07/10/2022	12:19	Buzzard	1	230	230	0	0	0	improved agricultural grassland and hedgerows; hunting, possibly seen catch prey	JG
BZ133	VP3a	07/10/2022	12:23	Buzzard	1	25	0	25	0	0	upland blanket bog and conifer plantation; mobbed	JG
BZ134	VP3a	07/10/2022	12:54	Buzzard	1	20	20	0	0	0	improved agricultural grassland; hunting	JG
BZ135	VP2	22/12/2022	10:57	Buzzard	1	96	0	96	0	0	improved agricultural grassland and conifer plantation; calling, hunting	JG
BZ136	VP3a	13/01/2023	16:29	Buzzard	1	305	305	0	0	0	upland blanket bog; hunting	JG
BZ137	VP3a	13/01/2023	16:43	Buzzard	1	125	125	0	0	0	upland blanket bog; hunting	JG
BZ138	VP2	26/01/2023	12:05	Buzzard	1	402	10	60	328	0	improved agricultural grassland, conifer plantation and upland blanket bog; hunting, soaring	JG
BZ141	VP2	22/02/2023	12:13	Buzzard	2	940	100	220	600	20	upland blanket bog and conifer plantation; soaring, hunting	JG
BZ142	VP4a	02/03/2023	15:29	Buzzard	1	-	-	-	-	-	improved agricultural grassland; calling, only heard	JG
BZ143	VP2	15/03/2023	17:15	Buzzard	2	420	0	20	400	0	improved agricultural grassland and conifer plantation; circling, calling, travelling flight	JG
BZ144	VP2	15/03/2023	17:35	Buzzard	1	10	10	0	0	0	improved agricultural grassland; mobbed, foraging, joined 1 other Buzzard already in field	JG
BZ145	VP2	15/03/2023	17:36	Buzzard	2	-	-	-	-	-	improved agricultural grassland; foraging, foraging for 30 mins	JG



Table 7-4- 27 Buzzard Breeding Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ001	19/05/2022	11:28	Buzzard	2	conifer plantation and improved agricultural grassland; travelling flight, perched (pair; possible breeding)	JG
BZ002	19/05/2022	12:54	Buzzard	1	improved agricultural grassland, conifer plantation and upland blanket bog; hunting (suitable nesting habitat; possible breeder)	JG
BZ003	09/06/2022	14:21	Buzzard	1	improved agricultural grassland, conifer plantation and scrub; travelling flight (suitable nesting habitat; possible breeder)	JG
BZ005	09/06/2022	17:30	Buzzard	2	improved agricultural grassland; soaring (pair; possible breeding)	JG
BZ006	27/06/2022	11:02	Buzzard	1	improved agricultural grassland and conifer plantation; circling, hunting (suitable nesting habitat; possible breeder)	JG
BZ007	27/06/2022	12:19	Buzzard	1	conifer plantation, improved agricultural grassland and upland blanket bog; hunting, travelling flight (suitable nesting habitat; possible breeder)	JG
BZ008	27/06/2022	12:36	Buzzard	3	improved agricultural grassland; soaring (pair; possible breeding)	JG
BZ009	27/06/2022	13:57	Buzzard	1	improved agricultural grassland and conifer plantation; hunting (suitable nesting habitat; possible breeder)	JG
BZ010	05/07/2022	13:31	Buzzard	1	improved agricultural grassland; circling, soaring, hunting (suitable nesting habitat; possible breeder)	JG
BZ011	25/07/2022	12:40	Buzzard	1	improved agricultural grassland, scrub and conifer plantation; hunting (suitable nesting habitat; possible breeder)	JG
BZ012	25/07/2022	15:58	Buzzard	1	improved agricultural grassland and hedgerows; perched, travelling flight (suitable nesting habitat; possible breeder)	JG



Table 7-4- 28 Buzzard Breeding Raptor Survey Data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ002	BRVP8	29/04/2021	14:51	Buzzard	1	upland blanket bog, circling, circling, drooped down behind mountain peak	flyover; non-breeding	CMC
BZ003	BRVP3	17/05/2021	15:17	Buzzard	1	conifer plantation, flying	flyover; non-breeding	CMC
BZ004	BRVP3	16/06/2021	14:00	Buzzard	1	conifer plantation and bogs, flying	suitable nesting habitat; possible breeder	CMC
BZ005	BRVP3	16/06/2021	14:08	Buzzard	2	bogs and conifer plantation, flying, hovering, flying along ridge, hovering intermittently. throughout watch.	suitable nesting habitat; possible breeder	CMC
BZ006	BRVP1	17/06/2021	13:59	Buzzard	1	conifer plantation, circling	flyover; non-breeding	CMC
BZ007	BRVP5	05/04/2022	14:01	Buzzard	1	upland blanket bog and conifer plantation, hunting, soaring	pair; possible breeding	JG
BZ008	BRVP3	07/04/2022	12:45	Buzzard	2	conifer plantation, scrub and recently-felled woodland, soaring	pair; probable breeding	JG
BZ009	BRVP6	07/04/2022	16:26	Buzzard	1	conifer plantation, improved agricultural grassland and mixed broadleaved woodland, calling	suitable nesting habitat; possible breeder	JG
BZ010	BRVP6	07/04/2022	16:28	Buzzard	2	mixed broadleaved woodland, conifer plantation and upland blanket bog, soaring	pair; possible breeding	JG
BZ011	BRVP4	09/05/2022	17:59	Buzzard	1	upland blanket bog and conifer plantation, hunting	suitable nesting habitat; possible breeder	JG
BZ012	BRVP6	10/05/2022	12:32	Buzzard	1	improved agricultural grassland and mixed broadleaved woodland, mobbed	suitable nesting habitat; possible breeder	JG
BZ013	BRVP3	25/05/2022	13:38	Buzzard	1	conifer plantation, soaring, traveling flight	suitable nesting habitat; possible breeder	JG
BZ014	BRVP8	26/05/2022	13:20	Buzzard	1	conifer plantation, improved agricultural grassland and scrub, mobbed	suitable nesting habitat; possible breeder	JG
BZ016	BRVP8	26/05/2022	16:06	Buzzard	1	conifer plantation, scrub and improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	JG
BZ017	BRVP6	07/06/2022	19:13	Buzzard	1	improved agricultural grassland and mixed broadleaved woodland, hunting	suitable nesting habitat; possible breeder	JG
BZ018	BRVP3	14/06/2022	14:33	Buzzard	1	upland blanket bog, hunting	suitable nesting habitat; possible breeder	JG
BZ019	BRVP6	01/07/2022	18:26	Buzzard	1	improved agricultural grassland and active quarries and mines, hunting	suitable nesting habitat; possible breeder	JG
BZ020	BRVP6	01/07/2022	19:12	Buzzard	1	improved agricultural grassland and active quarries and mines, mobbed	suitable nesting habitat; possible breeder	JG
BZ021	BRVP8	11/07/2022	16:38	Buzzard	1	upland blanket bog, hunting	suitable nesting habitat; possible breeder	JG



Table 7-4- 29 Buzzard Winter Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ001	01/10/2020	11:59	Buzzard	1	scrub/transitional woodland and improved agricultural grassland; flying and calling(wintering)	JH
BZ002	01/10/2020	14:08	Buzzard	1	improved agricultural grassland and hedgerows; travelling (wintering)	JH
BZ003	05/03/2021	11:34	Buzzard	1	improved agricultural grassland, mixed broadleaved/conifer woodland and hedgerows; flying (wintering)	TK
BZ004	05/03/2021	13:42	Buzzard	1	conifer plantation and upland blanket bog; soaring (wintering)	TK
BZ005	23/03/2022	11:35	Buzzard	1	conifer plantation and wet grassland; flight, buzzard flying directly south, calling. (wintering)	SOB
BZ007	23/03/2022	17:55	Buzzard	1	conifer plantation and recently-felled woodland; perched, flying, buzzard perched on spruce tree at edge of conifer plantation. flew away as I approached on the path. (wintering)	SOB
BZ008	05/10/2022	13:20	Buzzard	1	improved agricultural grassland; hunting, travelling flight (wintering)	JG
BZ009	15/02/2023	10:56	Buzzard	1	upland blanket bog and conifer plantation; flushed, calling, travelling flight (wintering)	JG
BZ010	15/02/2023	11:52	Buzzard	2	upland blanket bog, improved agricultural grassland and conifer plantation; on thermals (wintering)	JG
BZ011	28/03/2023	18:00	Buzzard	1	improved agricultural grassland, conifer plantation and scrub; hunting (wintering)	JG

Table 7-4- 30 Buzzard Incidental Observation Data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ001	Hen Harrier Roost Survey; HHVP3	24/10/2020	17:29	Buzzard	1	semi-natural grassland and scrub; hunting	AR
BZ002	Hen Harrier Roost Survey; HHVP3	24/10/2020	18:08	Buzzard	1	semi-natural grassland and scrub; hunting	AR
BZ003	Breeding Raptor Survey; Lackereagh Mountain	21/06/2021	14:32	Buzzard	1	conifer plantation; circling	CMC
BZ005	Hen Harrier Roost Survey; VP3	11/10/2022	18:37	Buzzard	1	upland blanket bog and scrub; hunting, hovering	JG
BZ006	Hen Harrier Roost Survey; Cloongaheen east	07/02/2023	17:04	Buzzard	1	improved agricultural grassland; travelling, flying	JG
BZ007	Hen Harrier Roost Survey; Glennagallagh, Lackereagh mountain	13/02/2023	17:00	Buzzard	1	upland blanket bog and conifer plantation; hunting	JG
BZ008	Hen Harrier Roost Survey; Cloongaheen east	07/03/2023	18:24	Buzzard	1	conifer plantation, improved agricultural grassland and scrub; travelling, flying, mobbed	JG
BZ009	Waterbird Distribution Survey; Scott's bridge	24/05/2023	12:52	Buzzard	1	improved grassland and scrub/transitional woodland; travelling	LDV