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## **APPENDIX 7-4**

***SURVEY DATA***

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<sup>1</sup> Note: Turbine numbers are not displayed in figures presented in this appendix to allow for better readability of observations. Please refer to figures in main chapter for turbine numbers.



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1.

# KINGFISHER

Table 7 - 4 - 1 - 1 Kingfisher Breeding Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
KF001	02/06/2022	14:25	Kingfisher	1	watercourses; travelling downstream (suitable nesting habitat; possible breeder)	DW
KF002	22/07/2022	12:33	Kingfisher	1	watercourses; flying along river, flew along river and over trees once the surveyor was spotted (suitable nesting habitat; possible breeder)	IH
KF003	22/07/2022	12:38	Kingfisher	1	improved agricultural grassland and watercourses; in flight, flew from tree towards river and dropped sharply (suitable nesting habitat; possible breeder)	IH
KF004	22/07/2022	14:12	Kingfisher	1	watercourses and improved agricultural grassland; call, in flight, brief call then flew along river (singing male; possible breeder)	IH
KF005	22/07/2022	15:15	Kingfisher	1	watercourses; in flight, flew from treetop, probably flushed (suitable nesting habitat; possible breeder)	IH

Table 7 - 4 - 1 - 2 Kingfisher Breeding Kingfisher Survey Data

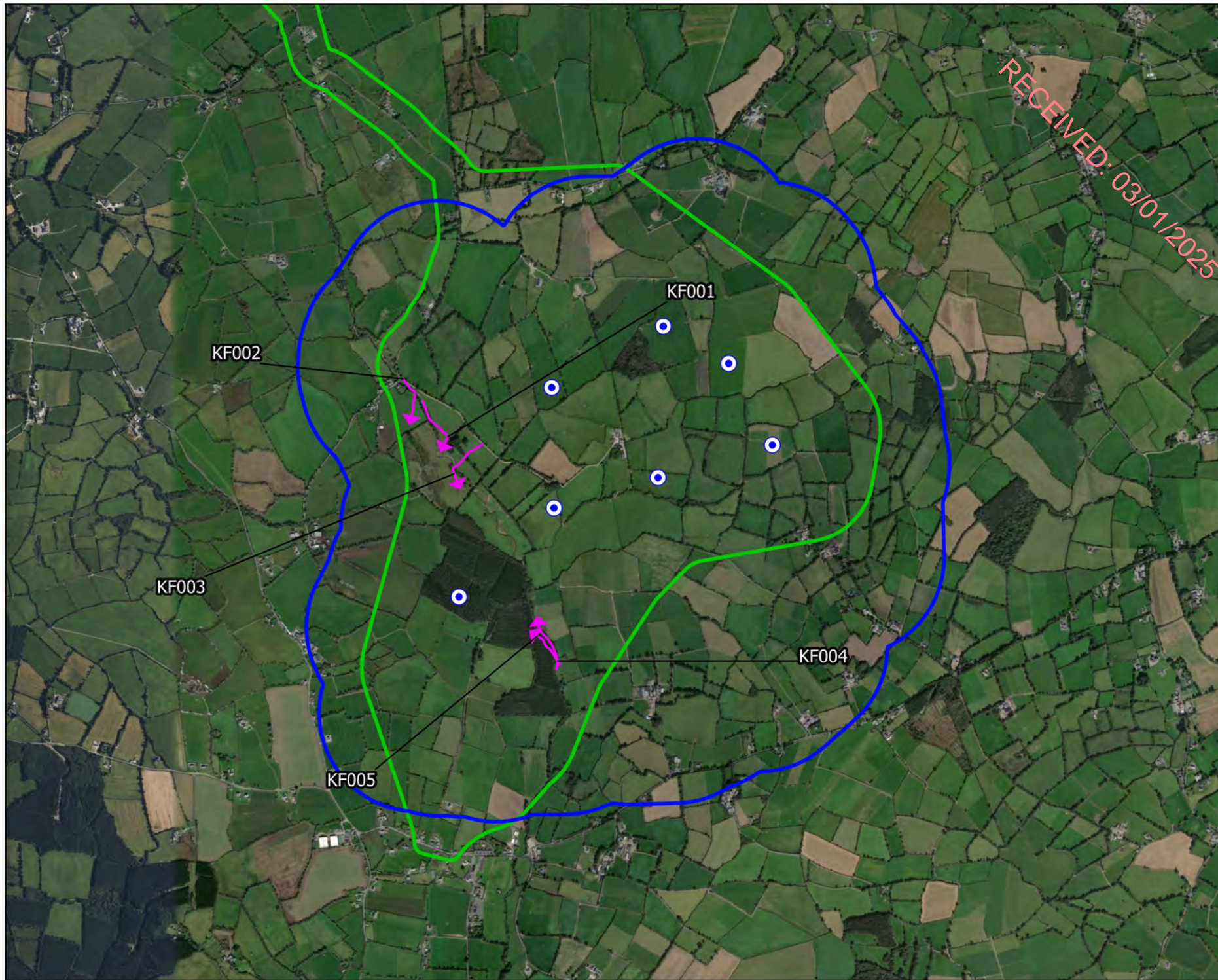
Ref.	Location	Date	Time	Observation	Habitat	Surveyor
KF001	Oldtown	24/04/2021	13:42	kingfisher; bird seen only flew upriver calling, later returned and flew downriver.	depositing/lowland rivers in improved agricultural grassland; very shallow river but some deeper pools .fish prey detected.	SP
KF002	Oldtown River	20/05/2021	13:55	nest hole; bank & possible nest hole- with droppings	eroding/upland rivers in improved agricultural grassland; exposed mud bank, some nesting cavities by sand martin active. 1.5m bank height.	LH
KF003	Oldtown River	20/05/2021	14:11	suitable nesting bank for Kingfisher; river glide with perches	eroding/upland rivers in mixed broadleaved woodland; river in spate at time of survey but likely suitable feeding spot under normal river conditions.	LH
KF004	Oldtown River	20/05/2021	14:16	suitable nesting bank for Kingfisher; river glide with perches	eroding/upland rivers in hedgerows; river in spate at time of survey, likely suitable feeding spot under normal river conditions.	LH
KF005	Oldtown River	20/05/2021	14:18	suitable nesting bank for Kingfisher; bank	eroding/upland rivers in mixed broadleaved woodland; exposed bank approx 2m high.	LH
KF006	Oldtown River	20/05/2021	14:24	suitable nesting bank for Kingfisher; bank	eroding/upland rivers in mixed broadleaved woodland; exposed bank on west side of river, 2m high bank approx.	LH
KF007	Oldtown River	20/05/2021	14:36	suitable nesting bank for Kingfisher; river glide with perches	eroding/upland rivers in mixed broadleaved woodland; river brown with suspended material at time of survey (in spate), likely suitable feeding spot under normal conditions.	LH
KF008	Oldtown River	21/05/2021	17:15	suitable nesting bank for Kingfisher; river glide with perches	eroding/upland rivers in improved agricultural grassland; potentially suitable hunting spot, river velocity reduced since previous day.	LH
KF009	Tullaroan Stream	24/05/2022	12:28	suitable nesting bank for Kingfisher; travelling downriver	depositing/lowland rivers in ; soil banks in some sections from erosion, burrows look to be all sm, but potential for kf burrow also. one or two suitable burrows monitored but no further activity recorded	DW

Table 7 - 4 - 1 - 3 Kingfisher Waterbird Distribution and Abundance Survey Data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
KF001	Oldtown	30/08/2021	16:56	Kingfisher	1	eroding/upland rivers, improved agricultural grassland and hedgerows; flying along river upstream calling.	PW
KF002	Killaloe	20/12/2021	13:16	Kingfisher	1	eroding/upland rivers and improved agricultural grassland; flying	JM
KF003	King's River	04/04/2023	11:01	Kingfisher	1	depositing/lowland rivers; roosting, flew along river from bridge	NJB





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### Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Survey Area
-  Observation



Drawing Title  
**Breeding Walkover Survey  
Kingfisher Observations**

Project Title  
**Briskalagh Renewable Energy  
Development**

Drawn By <b>D. Woods</b>	Checked By <b>P. Cregg</b>
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Project No. <b>230502</b>	Drawing No. <b>Fig. 7.4.1.1</b>
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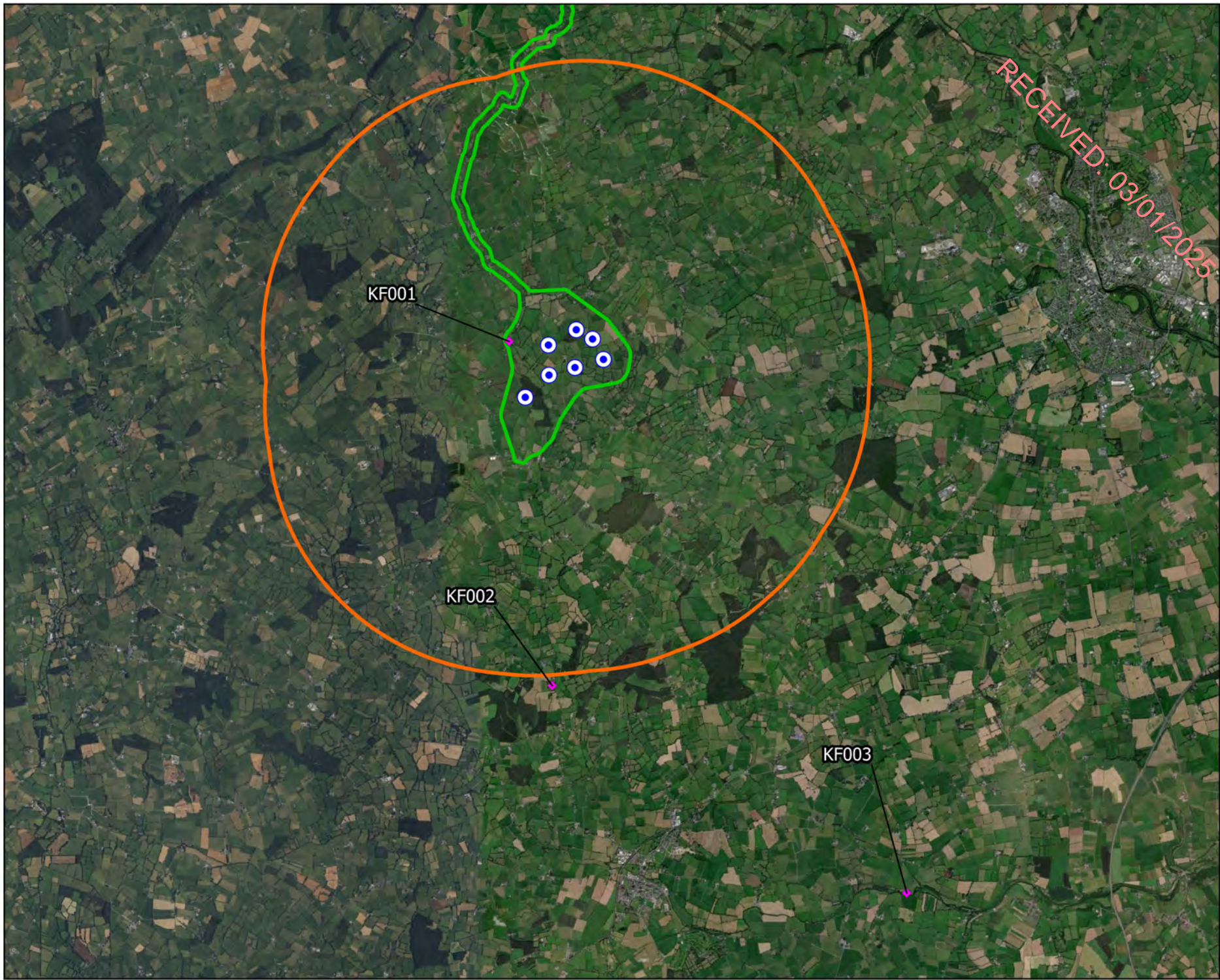
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- EIAR Site Boundary
- Turbine Locations
- Observation







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Breeding Kingfisher Survey Kingfisher Observations	
Project Title	
Briskalagh Renewable Energy Development	
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## Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Survey Area
-  Observation



Drawing Title

Waterbird Distribution and Abundance Survey  
Kingfisher Observations

Project Title

Briskalagh Renewable Energy  
Development

Drawn By

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P. Cregg

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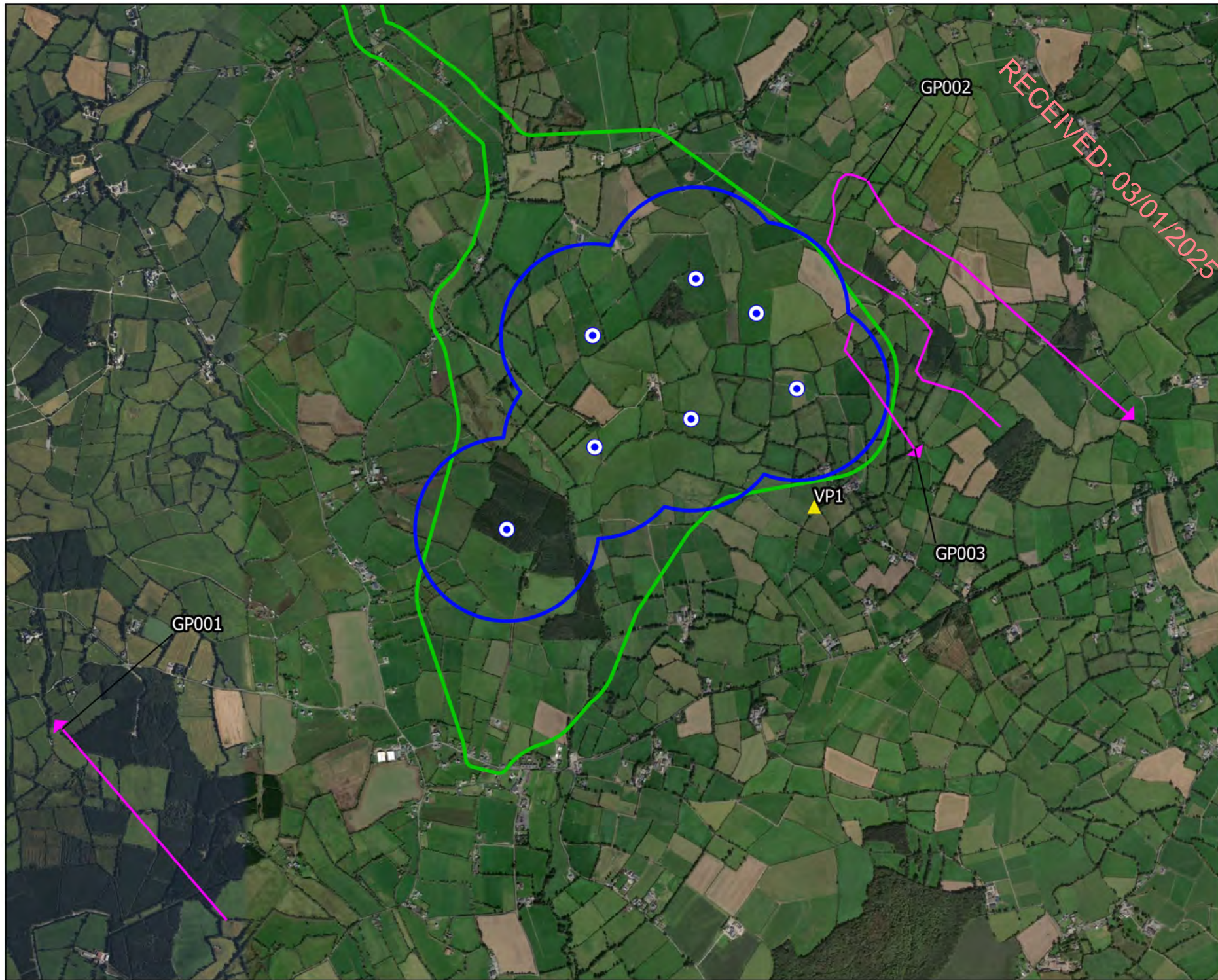
## GOLDEN PLOVER

Table 7 - 4 - 2 - 1 Golden Plover 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
GP001	VP1	16/12/2021	08:45	Golden Plover	50	40	0	0	40	0	improved agricultural grassland and conifer plantation; travelling, distant	DW
GP002	VP1	21/12/2022	08:44	Golden Plover	20	109	0	0	0	109	improved agricultural grassland; flying	KW
GP003	VP1	28/02/2023	10:57	Golden Plover	20	63	0	0	63	0	improved agricultural grassland; flying	KW

Table 7 - 4 - 2 - 2 Golden Plover Waterbird Distribution and Abundance Survey Data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GP001	Gortnagap	29/09/2021	17:32	Golden Plover	5	improved agricultural grassland, hedgerows and conifer plantation; flying commuting., 5 of 11 birds in the area.	PW
GP002	Gortnagap	29/09/2021	17:35	Golden Plover	6	improved agricultural grassland, conifer plantation and hedgerows; flying commuting., 6 of 11 birds in the area. picked up flying in opposite direction to other flock.	PW
GP003	Lisnalea	25/03/2022	14:45	Golden Plover	16	improved agricultural grassland; travelling/calling	JM
GP004	Callan	04/04/2023	11:48	Golden Plover	111	arable crops; travelling, resting in ploughed field	NJB



### Map Legend

- EIAR Site Boundary
- Turbine Locations
- 500m Radius of Turbines
- Vantage Point Locations
- Flight Observation

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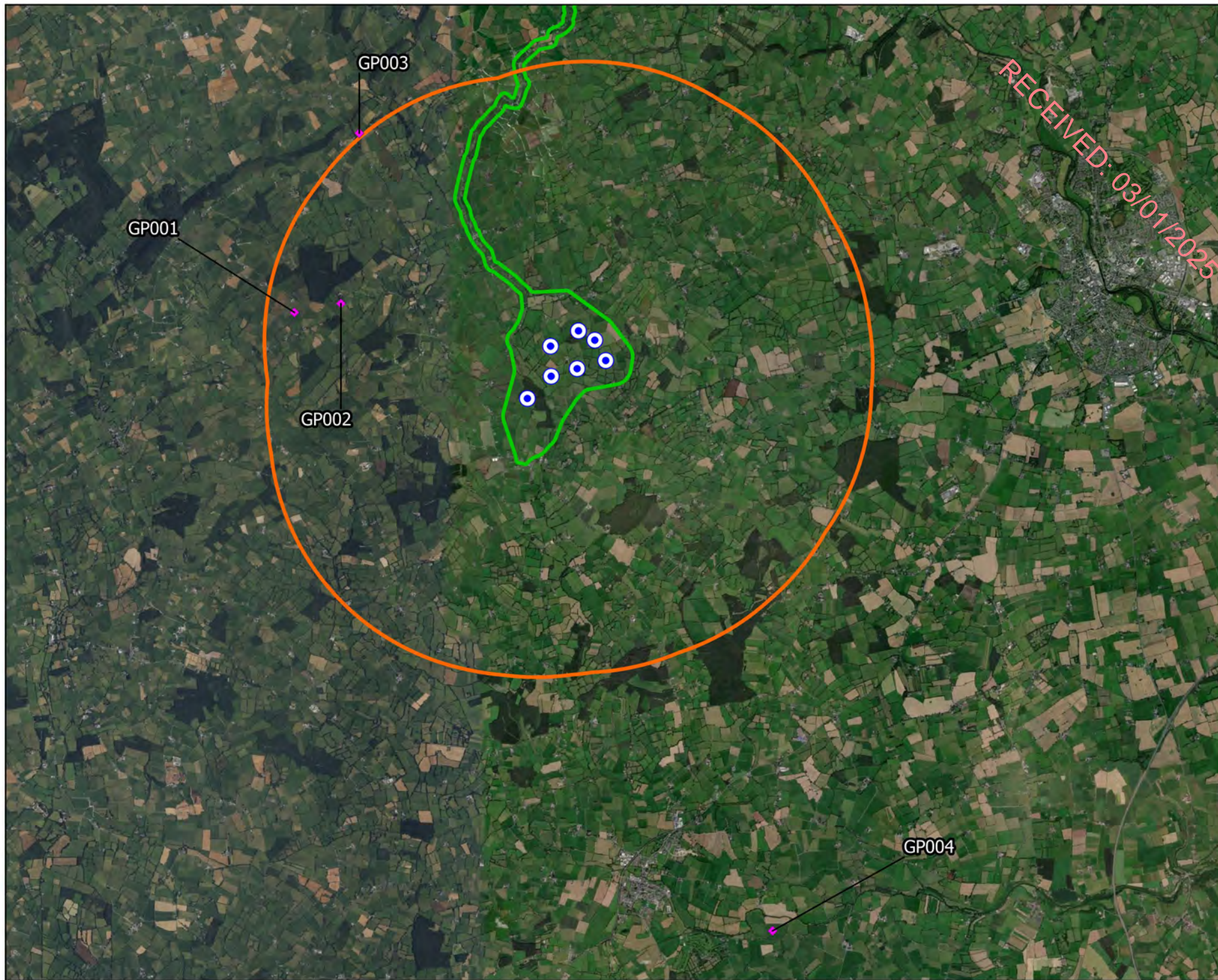
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**Vantage Point Survey  
Golden Plover Observations**

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## Map Legend

- EIA Site Boundary
- Turbine Locations
- 5km Survey Radius
- ◆ Observation



Drawing Title  
Waterbird Distribution and Abundance Survey  
Golden Plover Observations

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3.

## LITTLE EGRET

Table 7 - 4 - 3 - 1 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	21/05/2021	16:43	Little Egret	2	77	77	0	0	0	depositing/lowland rivers; flying	KW
ET002	VP1	21/05/2021	18:02	Little Egret	2	201	89	98	0	0	depositing/lowland rivers; flying	KW
ET003	VP1	28/09/2021	19:30	Little Egret	1	67	0	0	67	0	mixed broadleaved woodland, hedgerows and improved agricultural grassland; flying commuting, fw1	PW
ET004	VP1	16/12/2021	10:08	Little Egret	2	-	-	-	-	-	improved agricultural grassland; foraging	DW
ET005	VP1	16/12/2021	10:11	Little Egret	1	145	120	25	0	0	improved agricultural grassland; travelling	DW
ET006	VP1	21/12/2022	09:30	Little Egret	1	38	3	30	5	0	improved agricultural grassland; flying	KW

Table 7 - 4 - 3 - 2 Little Egret Winter Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
ET001	08/12/2022	10:59	Little Egret	1	depositing/lowland rivers; foraging (wintering)	KW

Table 7 - 4 - 3 - 3 Little Egret Waterbird Distribution and Abundance Survey Data

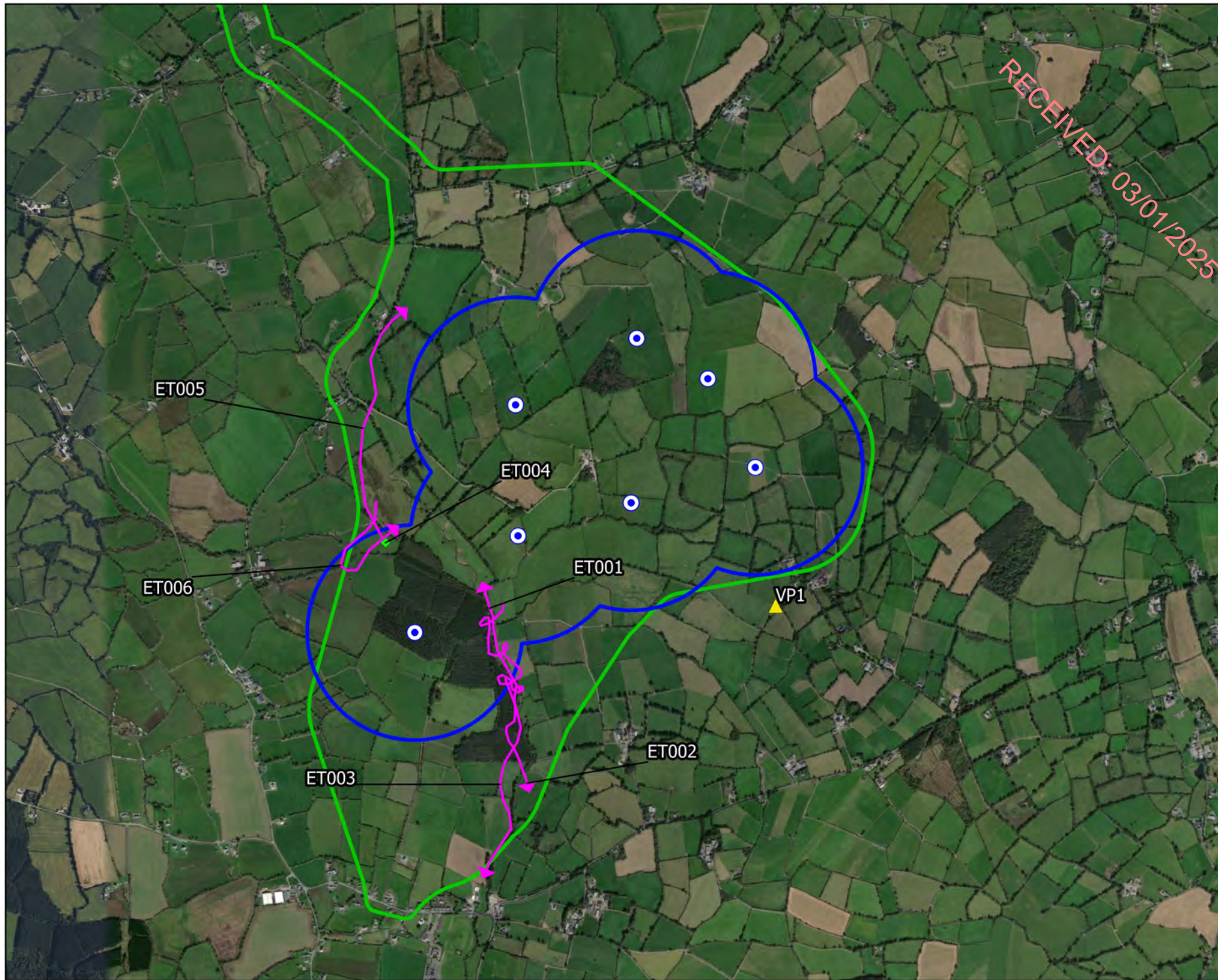
Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ET001	Drimeen, Callan	04/02/2022	09:46	Little Egret	5	improved agricultural grassland; feeding	JM
ET002	Callan	11/03/2022	10:59	Little Egret	1	eroding/upland rivers; walking along bank	JM
ET003	Kilcooly estate	18/05/2022	18:20	Little Egret	2	improved agricultural grassland; flushed by traffic on road	CB
ET004	King's River	06/12/2022	11:54	Little Egret	1	depositing/lowland rivers; foraging	KW
ET005	King's River	18/12/2022	11:07	Little Egret	2	depositing/lowland rivers; foraging	KW
ET006	oldtown river	18/12/2022	13:53	Little Egret	2	depositing/lowland rivers; foraging	KW
ET007	oldtown river	18/12/2022	14:49	Little Egret	2	depositing/lowland rivers; foraging	KW
ET008	King's River	10/01/2023	11:07	Little Egret	1	depositing/lowland rivers; foraging	KW
ET009	munster river	10/01/2023	11:37	Little Egret	1	depositing/lowland rivers; foraging	KW
ET010	King's River	29/01/2023	11:38	Little Egret	2	improved agricultural grassland; foraging	KW
ET011	King's River	10/02/2023	11:53	Little Egret	2	depositing/lowland rivers; foraging	KW

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ET012	King's River	10/02/2023	11:57	Little Egret	1	depositing/lowland rivers; foraging	KW
ET013	oldtown river	10/02/2023	14:46	Little Egret	1	depositing/lowland rivers; foraging	KW
ET014	King's River	27/02/2023	11:41	Little Egret	1	wet grassland; foraging	KW
ET015	King's River	27/02/2023	14:22	Little Egret	1	depositing/lowland rivers; foraging	KW
ET016	King's River	12/03/2023	13:13	Little Egret	1	wet grassland; foraging	KW
ET017	oldtown river	25/03/2023	14:38	Little Egret	2	depositing/lowland rivers; foraging	KW

Table 7 - 4 - 3 - 4 Little Egret Incidental Survey Data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ET001	Kingfisher Survey; Oldtown River	21/05/2021	17:32	Little Egret	2	eroding/upland rivers, improved agricultural grassland and hedgerows; flushed from river, flew south, one perched on a tree briefly, then continued in flight.	LH
ET002	Waterbird Distribution Survey; Oldtown	08/09/2021	12:53	Little Egret	7	eroding/upland rivers and improved agricultural grassland; flying together in a group over the river and field.	PW
ET003	Breeding Woodcock Survey; WKT1	26/05/2022	20:35	Little Egret	1	improved agricultural grassland; travelling	CB





### Map Legend

- EIAR Site Boundary
- Turbine Locations
- 500m Radius of Turbines
- ▲ Vantage Point Locations
- Flight Observation
- ◆ Non-flight Observation

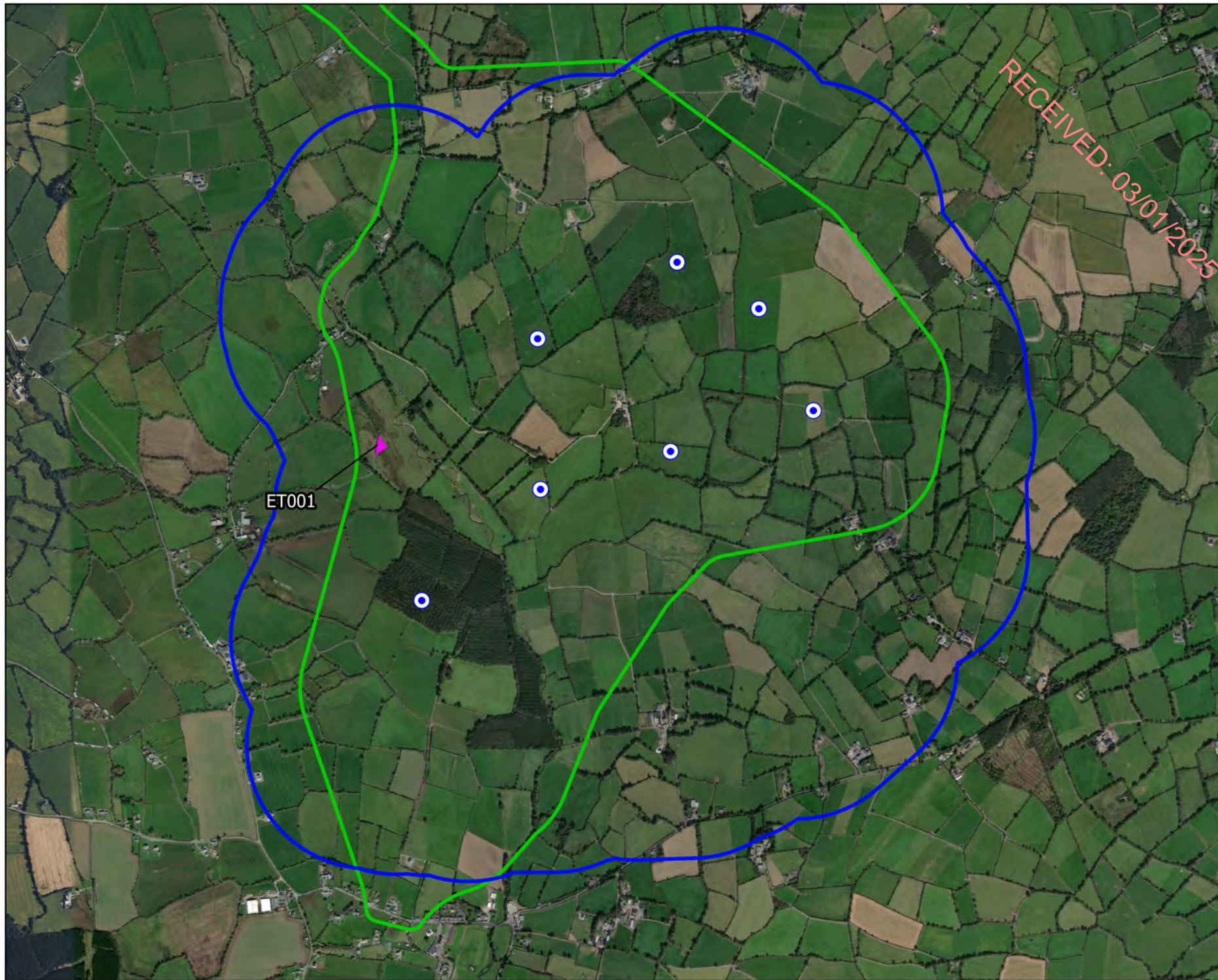
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**Vantage Point Survey  
Little Egret Observations**

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**Briskalagh Renewable Energy  
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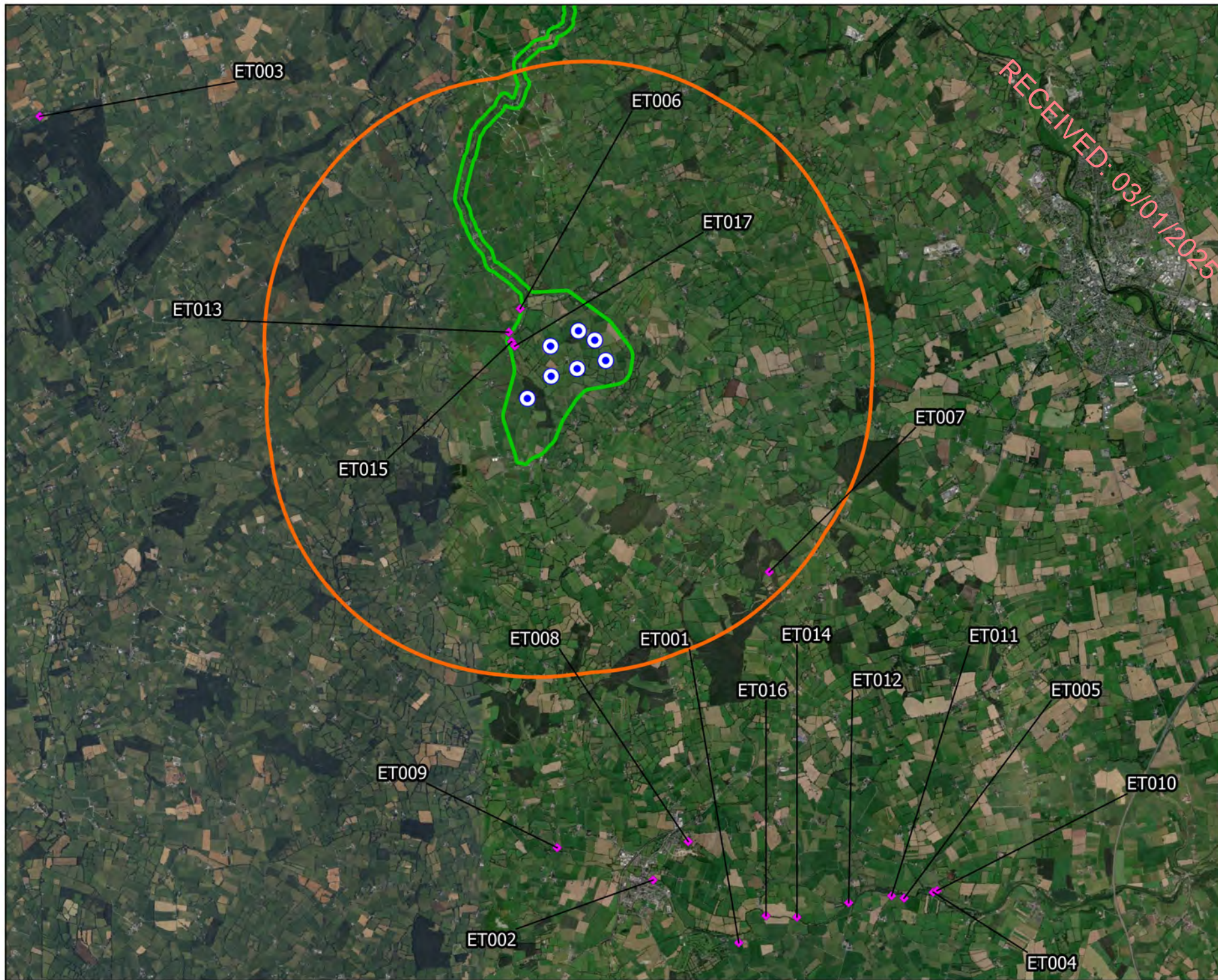
Map Legend

- EIAR Site Boundary
- Turbine Locations
- Survey Area
- Observation



Drawing Title	
Winter Walkover Survey Little Egret Observations	
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Briskalagh Renewable Energy Development	
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230502	Fig. 7.4.3.2
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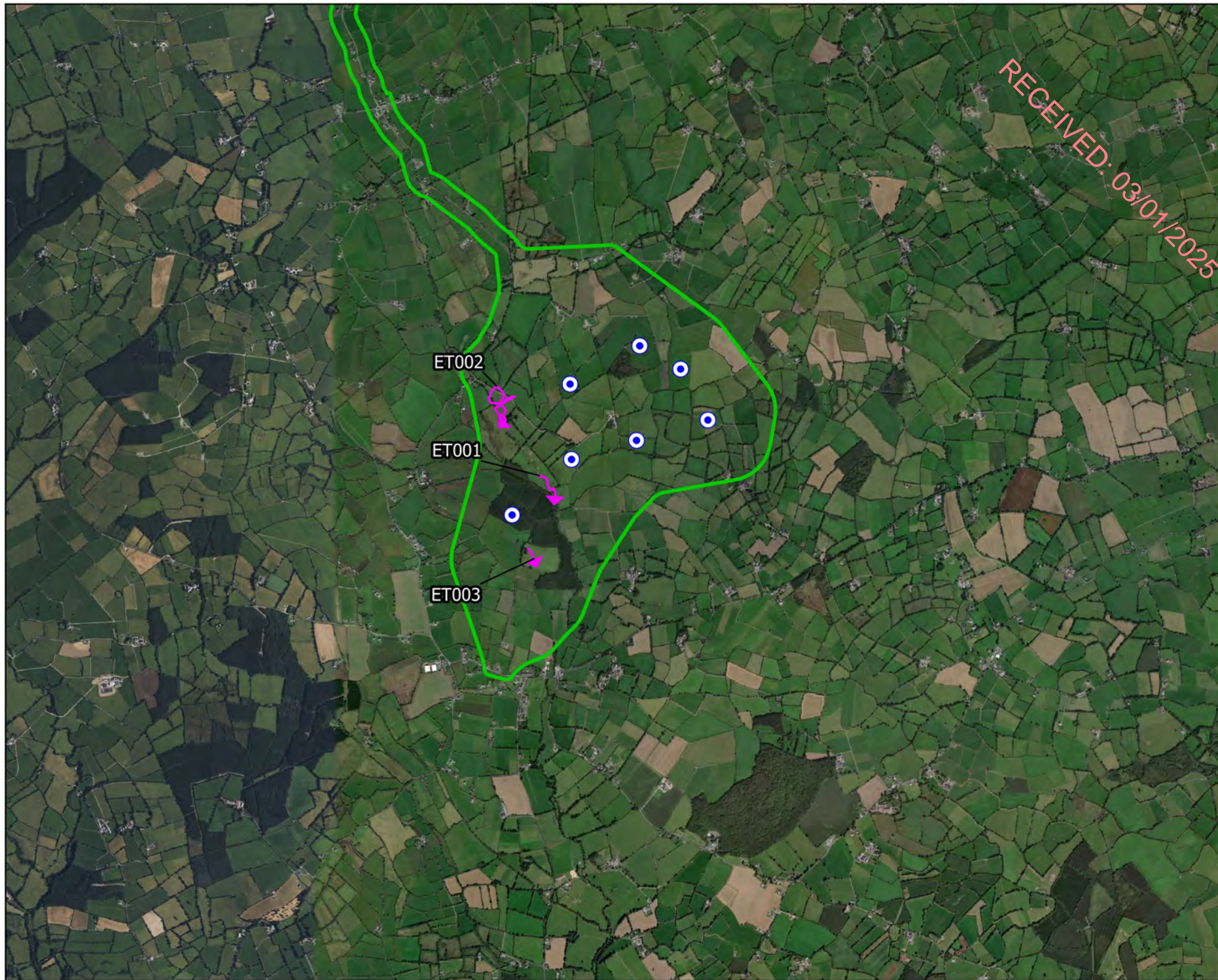
### Map Legend

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






Drawing Title	
Waterbird Distribution and Abundance Survey Little Egret Observations	
Project Title	
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### Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Observation



Drawing Title

Incidental Records  
Little Egret Observations

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4.

## PEREGRINE FALCON

Table 7 - 4 - 4 - 1 Peregrine Falcon Vantage Point Survey Data

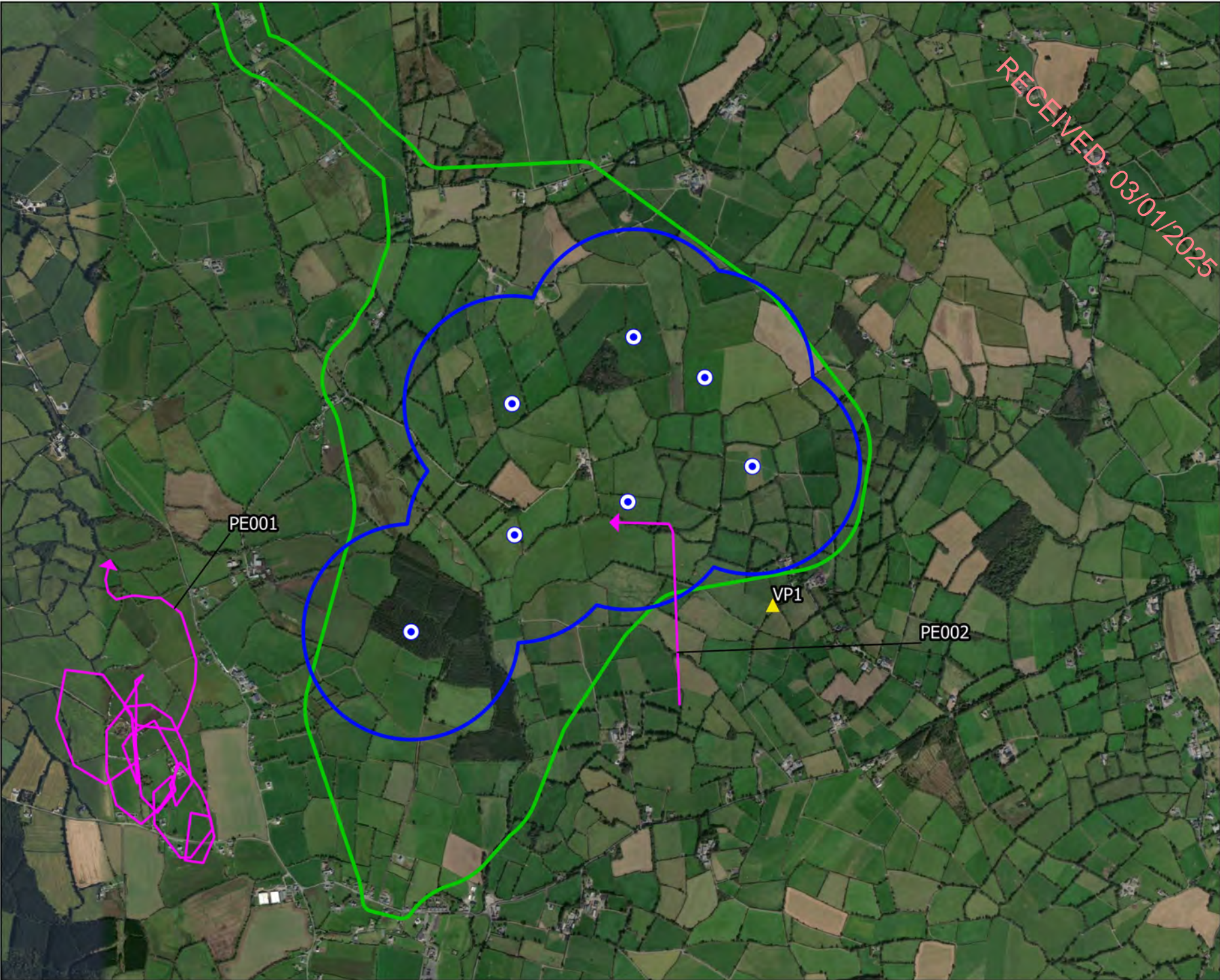
Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
PE001	VP1	31/08/2021	12:33	Peregrine Falcon	1	230	0	0	0	0	improved agricultural grassland and hedgerows; hunting by gliding about before descending in fast flight low over farmland fields and hedgerows., dropped down out of view.	PW
PE002	VP1	28/02/2023	12:33	Peregrine Falcon	1	48	0	0	48	0	improved agricultural grassland; hunting	KW

Table 7 - 4 - 4 - 2 Peregrine Falcon Breeding Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
PE001	12/04/2022	15:02	Peregrine Falcon	1	improved agricultural grassland; travelling, juvenile (suitable nesting habitat; possible breeder)	DW

Table 7 - 4 - 4 - 3 Peregrine Falcon Breeding Raptor Survey Data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
PE001	BRVP3	18/05/2021	14:25	Peregrine Falcon	1	mixed broadleaved woodland, mixed broadleaved/conifer woodland and improved agricultural grassland, soaring and circling over forestry, coolnapisha	flyover; non-breeding	SP
PE002	BRVP1	22/06/2022	19:16	Peregrine Falcon	1	improved agricultural grassland, flying, small, probable male, descending glide, possibly to roost on church - no sign of nest at church, follow up check next day	suitable nesting habitat; possible breeder	KW



Map Legend

- EIAR Site Boundary
- Turbine Locations
- 500m Radius of Turbines
- Vantage Point Locations
- Flight Observation



Drawing Title  
Vantage Point Survey  
Peregrine Observations

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Briskalagh Renewable Energy  
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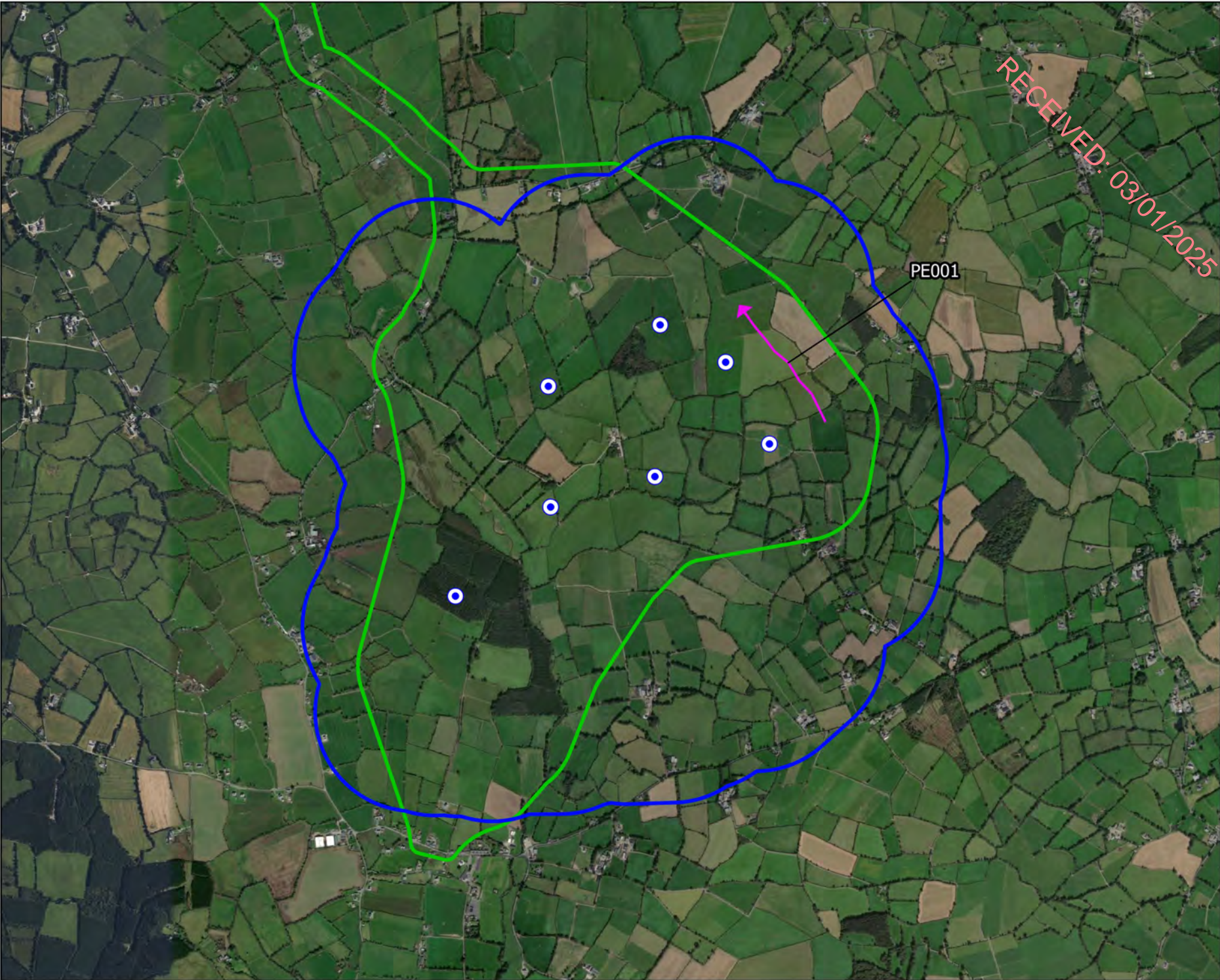
Drawn By D. Woods	Checked By P. Cregg
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Project No. 230502	Drawing No. Fig. 7.4.4.1
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Scale 1:23,000	Date 05.07.2024
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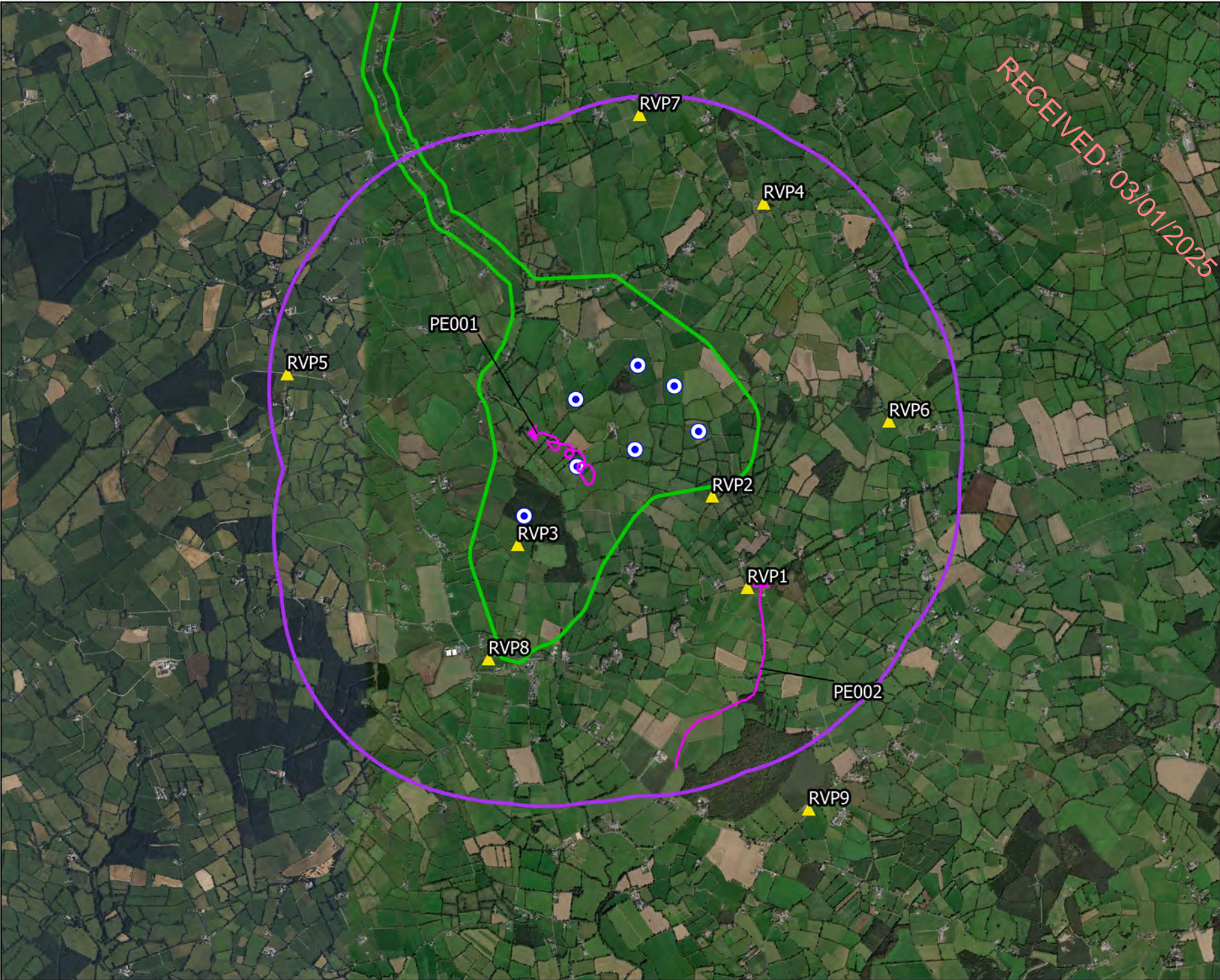
Map Legend

- EIAR Site Boundary
- Turbine Locations
- Survey Area
- Observation



Drawing Title	
Breeding Walkover Survey Peregrine Observations	
Project Title	
Briskalagh Renewable Energy Development	
Drawn By	Checked By
D. Woods	P. Cregg
Project No.	Drawing No.
230502	Fig. 7.4.4.2
Scale	Date
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Map Legend

- EIAR Site Boundary
- Turbine Locations
- 2km Survey Radius
- RVP Locations
- Observation



Drawing Title Breeding Raptor Survey Peregrine Observations	
Project Title Briskalagh Renewable Energy Development	
Drawn By D. Woods	Checked By P. Cregg
Project No. 230502	Drawing No. Fig. 7.4.4.3
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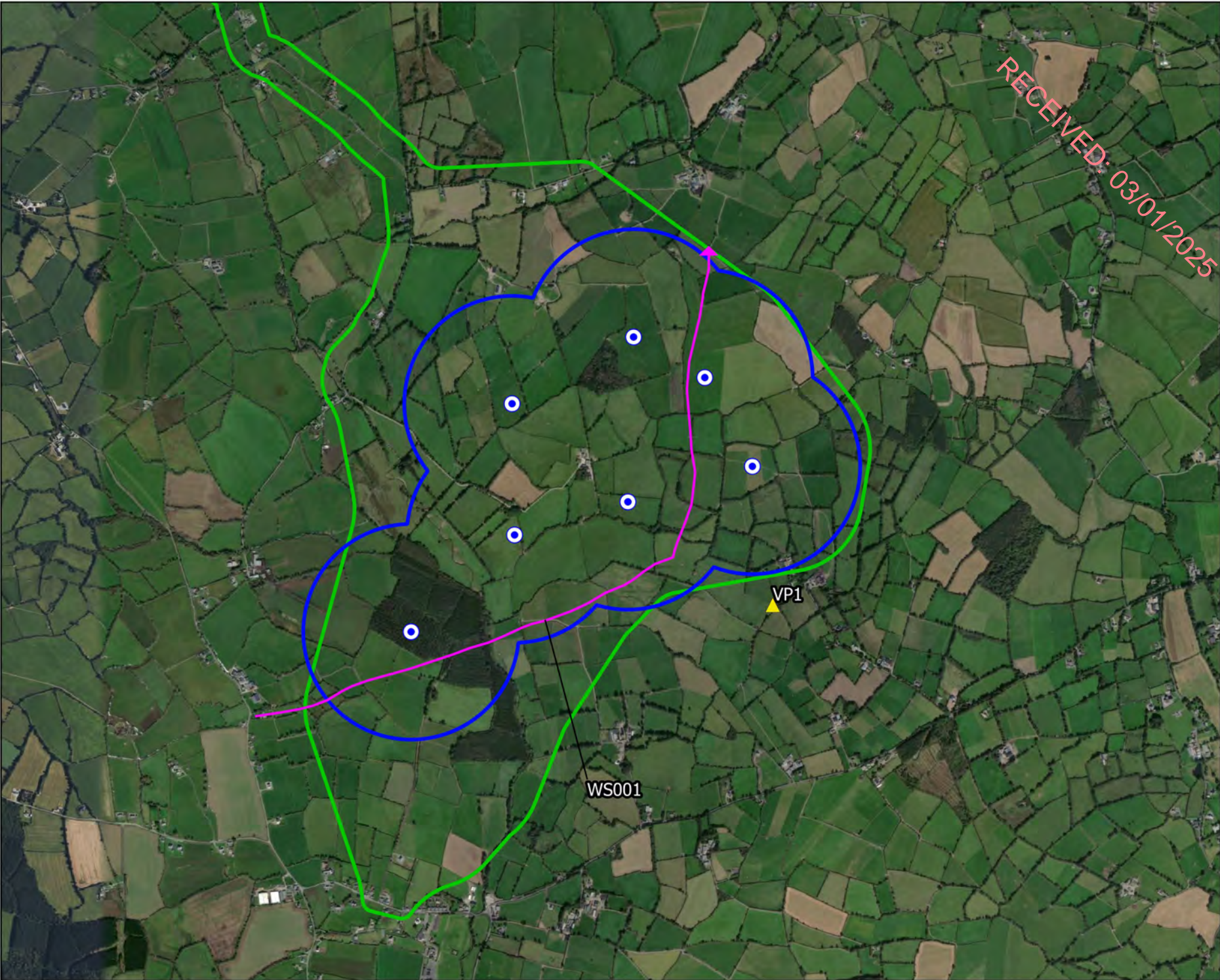
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## WHOOPER SWAN

Table 7 - 4 - 5 - 1 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	28/10/2022	09:22	Whooper Swan	2	187	0	0	187	0	improved agricultural grassland; flying, adults 100-120m	KW

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Map Legend

- EIAR Site Boundary
- Turbine Locations
- 500m Radius of Turbines
- ▲ Vantage Point Locations
- Flight Observation



Drawing Title  
**Vantage Point Survey  
Whooper Swan Observations**

Project Title  
**Briskalagh Renewable Energy  
Development**

Drawn By  
**D. Woods**

Checked By  
**P. Cregg**

Project No.  
**230502**

Drawing No.  
**Fig. 7.4.5.1**

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6.

## KESTREL

**Note:** Sensitive data relating to breeding sites has been omitted from this appendix and is provided in Confidential Appendix 7-7.

Table 7 - 4 - 6 - 1 Kestrel 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
K.001	VP1	21/05/2021	16:58	Kestrel	1	87	52	35	0	0	improved agricultural grassland and hedgerows; landing	KW
K.002	VP1	21/05/2021	19:51	Kestrel	1	408	2	4	406	0	improved agricultural grassland; flying	KW
K.003	VP1	12/06/2021	16:13	Kestrel	1	201	0	0	201	0	improved agricultural grassland; hunting	KW
K.004	VP1	07/07/2021	17:51	Kestrel	1	96	0	20	76	0	improved agricultural grassland and treelines; hunting	KW
K.005	VP1	28/09/2021	14:20	Kestrel	1	181	40	5	136	0	improved agricultural grassland, hedgerows and treelines; hunting by hovering before descending and hunting flying along w1	PW
K.006	VP1	28/09/2021	14:33	Kestrel	1	80	0	45	35	0	improved agricultural grassland, hedgerows and treelines; hunting by hovering and flying., moved to behind treeline in foreground out of view.	PW
K.007	VP1	28/09/2021	16:29	Kestrel	1	136	0	0	0	136	improved agricultural grassland, hedgerows and treelines; flying on.	PW
K.008	VP1	25/02/2022	10:32	Kestrel	1	30	30	0	0	0	improved agricultural grassland and treelines; flying, bird flew n thru site	AM
K.009	VP1	31/05/2022	11:46	Kestrel	1	134	0	0	134	0	improved agricultural grassland; hunting, male	KW
K.010	VP1	15/07/2022	11:33	Kestrel	1	87	0	87	0	0	improved agricultural grassland; hunting, male	KW
K.011	VP1	15/07/2022	11:47	Kestrel	1	12	0	0	12	0	improved agricultural grassland; hunting, male	KW
K.012	VP1	15/07/2022	11:53	Kestrel	1	3	0	0	3	0	improved agricultural grassland; hunting, male	KW
K.013	VP1	22/08/2022	14:44	Kestrel	1	-	-	-	-	-	improved agricultural grassland; alarm calling, unseen	KW
K.014	VP1	22/08/2022	18:53	Kestrel	1	-	-	-	-	-	improved agricultural grassland; perched, male	KW
K.015	VP1	28/11/2022	11:54	Kestrel	1	96	0	0	96	0	improved agricultural grassland; hunting	KW
K.016	VP1	28/11/2022	11:57	Kestrel	1	321	0	16	305	0	improved agricultural grassland and conifer plantation; hunting	KW
K.017	VP1	28/11/2022	12:26	Kestrel	1	314	0	0	314	0	improved agricultural grassland; hunting	KW
K.018	VP1	28/11/2022	13:36	Kestrel	1	22	0	22	0	0	improved agricultural grassland; hunting	KW
K.019	VP1	28/11/2022	14:43	Kestrel	1	46	0	3	0	0	improved agricultural grassland; hunting	KW

Table 7 - 4 - 6 - 2 Kestrel Breeding Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
K.001	21/07/2022	14:29	Kestrel	1	improved agricultural grassland and highly modified/non-native woodland; in flight (migrating; non-breeding)	IH
K.002	21/07/2022	14:48	Kestrel	1	improved agricultural grassland and mixed broadleaved/conifer woodland; in flight, mobbed, adult male mobbed by swallows, flee into oak woodland (summering; non-breeding)	IH

Table 7 - 4 - 6 - 3 Kestrel Breeding Raptor Survey Data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.001	BRVP1	25/04/2021	10:15	Kestrel	1	improved agricultural grassland, hedgerows and treelines, flying over fields	flyover; non-breeding	SP
K.002	BRVP1	25/04/2021	11:10	Kestrel	1	improved agricultural grassland and treelines, flying over fields, doorath	flyover; non-breeding	SP
K.003	BRVP3	25/04/2021	14:45	Kestrel	1	improved agricultural grassland, hedgerows and treelines, hunting from pylons, male kilmanagh	flyover; non-breeding	SP
K.004	BRVP3	25/04/2021	16:23	Kestrel	1	improved agricultural grassland, hedgerows and treelines, hunting flight, kilmanagh/male	flyover; non-breeding	SP
K.005	BRVP3	25/04/2021	16:28	Kestrel	1	improved agricultural grassland, hedgerows and treelines, hunting flight, kilmanagh, presume same bird	flyover; non-breeding	SP
K.006	BRVP3	25/04/2021	16:33	Kestrel	1	improved agricultural grassland, hedgerows and treelines, hunting from pylons, kilmanagh	adult carrying food/faecal sac; confirmed breeding	SP
K.007	BRVP3	25/04/2021	17:07	Kestrel	1	improved agricultural grassland, hedgerows and treelines, hunting flight	flyover; non-breeding	SP
K.008	BRVP3	25/04/2021	17:33	Kestrel	1	improved agricultural grassland, hedgerows and treelines, hunting flight, kilmanagh, same male	flyover; non-breeding	SP
K.009	BRVP2	04/05/2021	13:35	Kestrel	1	mixed broadleaved woodland, mixed broadleaved/conifer woodland and improved agricultural grassland, flying slow arcs over forestry, coolnapisha	flyover; non-breeding	SP
K.010	BRVP5	11/05/2021	11:15	Kestrel	1	improved agricultural grassland, hedgerows and treelines, male hunting, baunharaha	flyover; non-breeding	SP
K.011	BRVP6	11/05/2021	14:07	Kestrel	1	improved agricultural grassland, treelines and treelines, male hunting flying south, cortstown	flyover; non-breeding	SP
K.012	BRVP3	18/05/2021	14:10	Kestrel	1	mixed broadleaved woodland, mixed broadleaved/conifer woodland and improved agricultural grassland, male soaring/circling, coolnapisha	courtship and display; probable breeding	SP
K.013	BRVP1	27/05/2021	10:22	Kestrel	1	hedgerows and mixed broadleaved/conifer woodland, male being mobbed by jackdaws, doorath	flyover; non-breeding	SP
K.014	BRVP5	14/06/2021	12:15	Kestrel	1	improved agricultural grassland, hedgerows and treelines, hunting over fields, cortstown	flyover; non-breeding	SP
K.015	BRVP4	17/06/2021	10:07	Kestrel	1	improved agricultural grassland, hedgerows and treelines, hunting over fields (male), brabstown (transect walk)	flyover; non-breeding	SP

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.016	BRVP4	17/06/2021	10:45	Kestrel	1	mixed broadleaved woodland, flying over woodland, riesk (transect walk)	flyover; non-breeding	SP
K.017	BRVP4	17/06/2021	10:55	Kestrel	1	improved agricultural grassland, hedgerows and mixed broadleaved woodland, flying over fie/forestry, corstown (transect walk)	flyover; non-breeding	SP
K.018	BRVP3	21/06/2021	10:09	Kestrel	1	improved agricultural grassland, hedgerows and treelines, male hunting over fields, kilmanagh	flyover; non-breeding	SP
K.019	BRVP3	21/06/2021	10:25	Kestrel	1	improved agricultural grassland, hedgerows and treelines, male hunting over fields, kilmanagh (probably same bird)	suitable nesting habitat; possible breeder	SP
K.020	BRVP1	23/07/2021	10:32	Kestrel	2	conifer plantation and improved agricultural grassland, flew in from south, flew over woodland, second bird joined, both circled for 2min before flew north. 1 bird had tail feather missing	suitable nesting habitat; possible breeder	IH
K.021	BRVP1	23/07/2021	11:24	Kestrel	1	conifer plantation and improved agricultural grassland, mobbed by crow, mobbed by crow, lost form view behind woods	suitable nesting habitat; possible breeder	IH
K.022	BRVP1	23/07/2021	12:06	Kestrel	1	conifer plantation and improved agricultural grassland, in flight, traveling, flew past surveyor into woodland	suitable nesting habitat; possible breeder	IH
K.023	BRVP2	27/07/2021	11:43	Kestrel	1	improved agricultural grassland, hovering, travelling, hovering first before travelling south. went to ground once but not prey	suitable nesting habitat; possible breeder	IH
K.024	BRVP8	05/04/2022	13:39	Kestrel	1	improved agricultural grassland, travelling	suitable nesting habitat; possible breeder	DW
K.025	BRVP9	05/04/2022	15:16	Kestrel	1	improved agricultural grassland, travelling	suitable nesting habitat; possible breeder	DW
K.026	BRVP5	26/04/2022	11:18	Kestrel	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	KW
K.027	BRVP7	05/05/2022	12:30	Kestrel	1	improved agricultural grassland and highly modified/non-native woodland, travelling then dropping down into trees, visiting possible nest site? not carrying any obvious prey item	suitable nesting habitat; possible breeder	DW
K.028	BRVP6	05/05/2022	14:16	Kestrel	1	improved agricultural grassland and scrub, hunting, male	suitable nesting habitat; possible breeder	DW
K.029	BRVP6	22/06/2022	13:58	Kestrel	1	improved agricultural grassland and immature woodland, provisioning, female carrying prey into/through small woodland	suitable nesting habitat; possible breeder	KW
K.030	BRVP9	14/07/2022	12:24	Kestrel	1	hedgerows and improved agricultural grassland, food provisioning for young, adult perched on electricity pole carrying prey in beak then entered ash tree on far side of graveyard followed by begging calls	nest with young; confirmed breeding	CB

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.031	BRVP9	14/07/2022	13:25	Kestrel	1	hedgerows, travelling	probable nest site; probable breeding	CB
K.032	BRVP8	20/07/2022	11:41	Kestrel	1	buildings and artificial surfaces, improved agricultural grassland and hedgerows, travelling and calling, leaving church grounds	singing male; possible breeder	CB
K.033	BRVP8	20/07/2022	12:51	Kestrel	1	hedgerows and improved agricultural grassland, travelling, perched in hedgerow	suitable nesting habitat; possible breeder	CB
K.034	BRVP6	22/07/2022	13:58	Kestrel	1	improved agricultural grassland, travelling	suitable nesting habitat; possible breeder	CB

Table 7 - 4 - 6 - 4 Kestrel Winter Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
K.001	24/10/2022	15:59	Kestrel	1	improved agricultural grassland; hunting, male (wintering)	KW
K.002	08/12/2022	11:36	Kestrel	1	hedgerows; flushed, female (wintering)	KW
K.003	08/12/2022	15:16	Kestrel	1	improved agricultural grassland; flying, male (wintering)	KW
K.004	06/01/2023	10:38	Kestrel	1	improved agricultural grassland; hunting, male (wintering)	KW
K.005	06/01/2023	15:03	Kestrel	1	improved agricultural grassland; hunting, female (wintering)	KW
K.006	15/03/2023	14:38	Kestrel	1	hedgerows; flushed (wintering)	KW

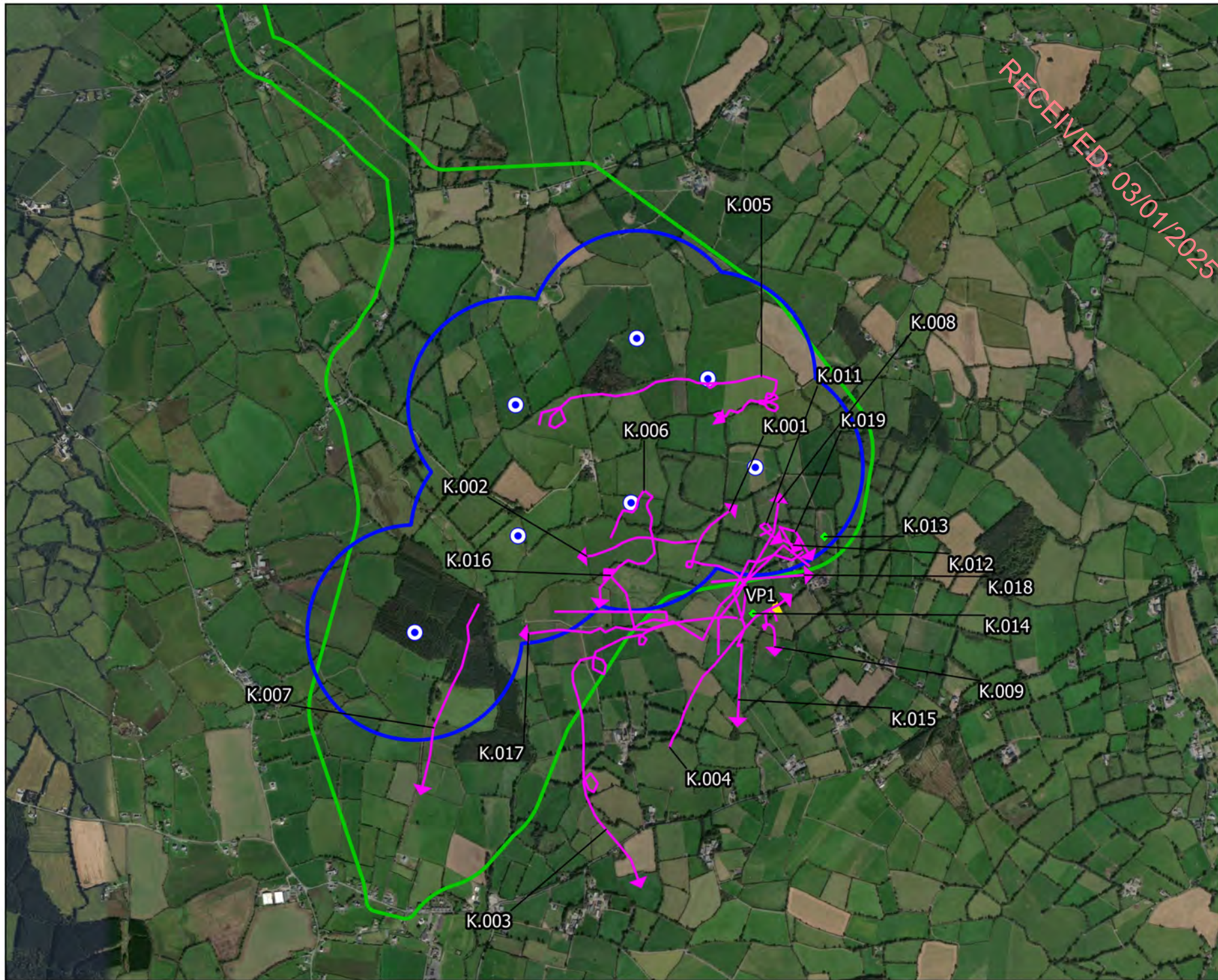
Table 7 - 4 - 6 - 5 Kestrel Incidental Survey Data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.001	Breeding Raptor Survey; Lis Cross roads	11/05/2021	12:10	Kestrel	1	improved agricultural grassland; male hunting	SP
K.002	Waterbird Distribution Survey; Lacken	17/08/2021	11:30	Kestrel	1	hedgerows and improved agricultural grassland; flew from perch on telegraph pole out of view.	PW
K.003	Waterbird Distribution Survey; Ballydun	17/08/2021	11:45	Kestrel	1	improved agricultural grassland and hedgerows; hunting by hovering.	PW
K.004	Waterbird Distribution Survey; Killeen	17/08/2021	14:10	Kestrel	1	scrub, conifer plantation and hedgerows; hunting.	PW
K.005	Waterbird Distribution Survey; Killeen	17/08/2021	14:22	Kestrel	1	scrub, conifer plantation and hedgerows; hunting by hovering.	PW
K.006	Waterbird Distribution Survey; Lacken	30/08/2021	14:40	Kestrel	1	treelines, improved agricultural grassland and hedgerows; flying to perch before flying on.	PW
K.007	Waterbird Distribution Survey; Pottlerath	30/08/2021	18:46	Kestrel	1	wet grassland, scrub and hedgerows; hunting by hovering.	PW



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.008	Waterbird Distribution Survey; Rathmacan	08/09/2021	14:01	Kestrel	1	improved agricultural grassland and hedgerows; perched hunting from telegraph wire.	PW
K.009	Waterbird Distribution Survey; Ballinamara Cross Roads	29/09/2021	14:07	Kestrel	1	improved agricultural grassland, hedgerows and buildings and artificial surfaces; flew low in to perch on telegraph pole., female.	PW
K.010	Waterbird Distribution Survey; Tullaroan	29/09/2021	15:04	Kestrel	1	arable crops, hedgerows and treelines; perched on wires over stubble., male.	PW
K.011	Waterbird Distribution Survey; Gortnagap	29/09/2021	17:41	Kestrel	1	improved agricultural grassland, hedgerows and buildings and artificial surfaces; perched on telegraph pole.	PW
K.012	Waterbird Distribution Survey; Kilbraghan	29/09/2021	18:15	Kestrel	1	hedgerows, improved agricultural grassland and buildings and artificial surfaces; flew from perch across road.	PW
K.013	Waterbird Distribution Survey; West of Kilmanagh	26/11/2021	12:09	Kestrel	1	hedgerows and improved agricultural grassland; hovering, travelling	JM
K.014	Waterbird Distribution Survey; Damma	20/12/2021	14:20	Kestrel	1	improved agricultural grassland and hedgerows; perched	JM
K.015	Waterbird Distribution Survey; Ballykeefe	22/02/2022	11:15	Kestrel	1	improved agricultural grassland; perched, flying	JM
K.016	Waterbird Distribution Survey; Ballyfrunk	22/02/2022	12:30	Kestrel	1	improved agricultural grassland; perched, male	JM
K.017	Waterbird Distribution Survey; Rathmacan	22/02/2022	14:21	Kestrel	1	improved agricultural grassland; hovering, hunting, travelling	JM
K.018	Waterbird Distribution Survey; Ballybeagh	11/03/2022	13:44	Kestrel	2	improved agricultural grassland and conifer plantation; hunting, hovering	JM
K.019	Breeding Kingfisher Survey; River	04/05/2022	12:46	Kestrel	1	improved agricultural grassland; being chased by hooded crow	DW
K.020	Breeding Kingfisher Survey; Electric wire	04/05/2022	14:30	Kestrel	1	improved agricultural grassland; perched	DW





### Map Legend

- EIA Site Boundary
- Turbine Locations
- 500m Radius of Turbines
- Vantage Point Locations
- Flight Observation
- Non-flight Observation

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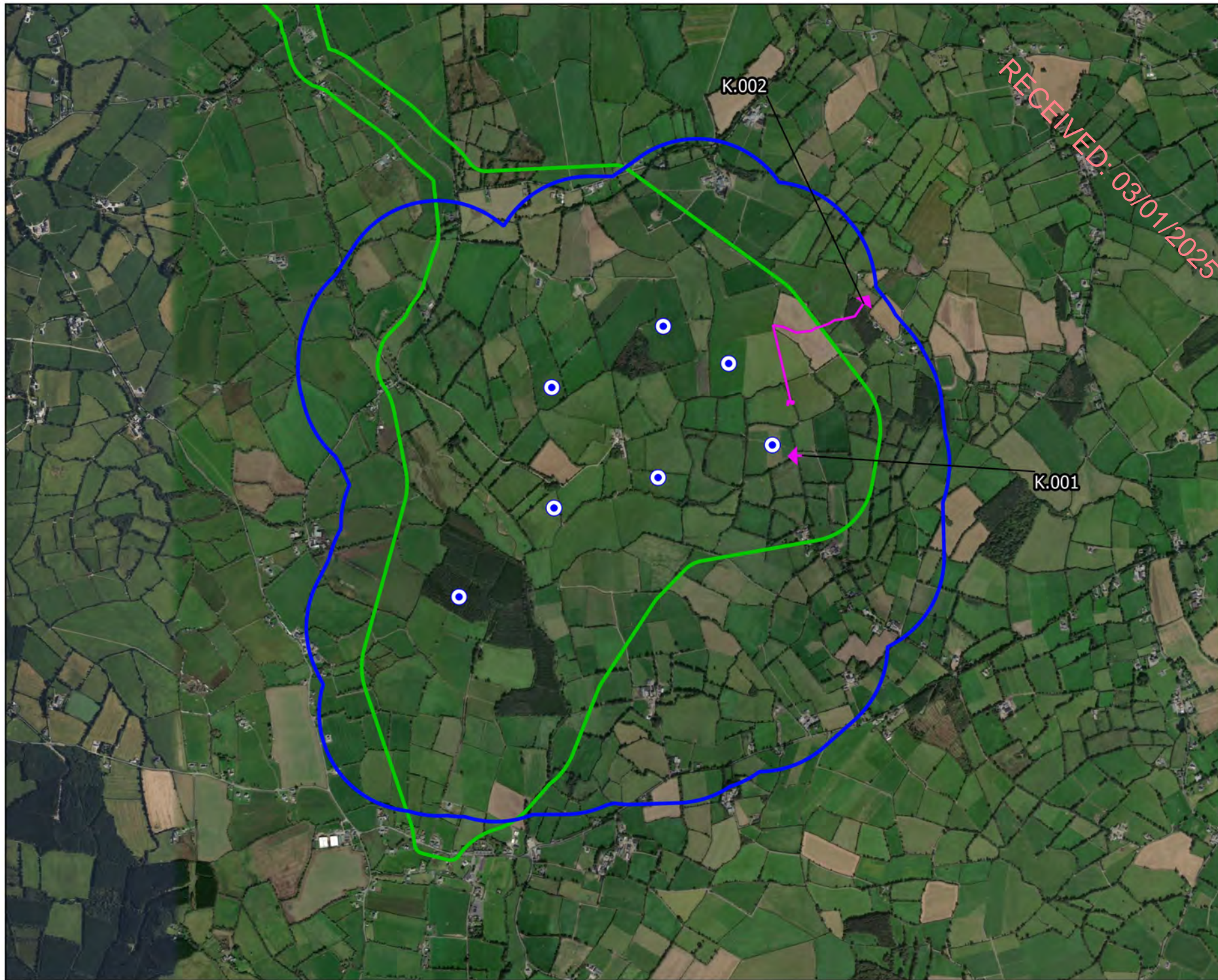
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Kestrel Observations**

Project Title  
**Briskalagh Renewable Energy  
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Project No. <b>230502</b>	Drawing No. <b>Fig. 7.4.6.1</b>
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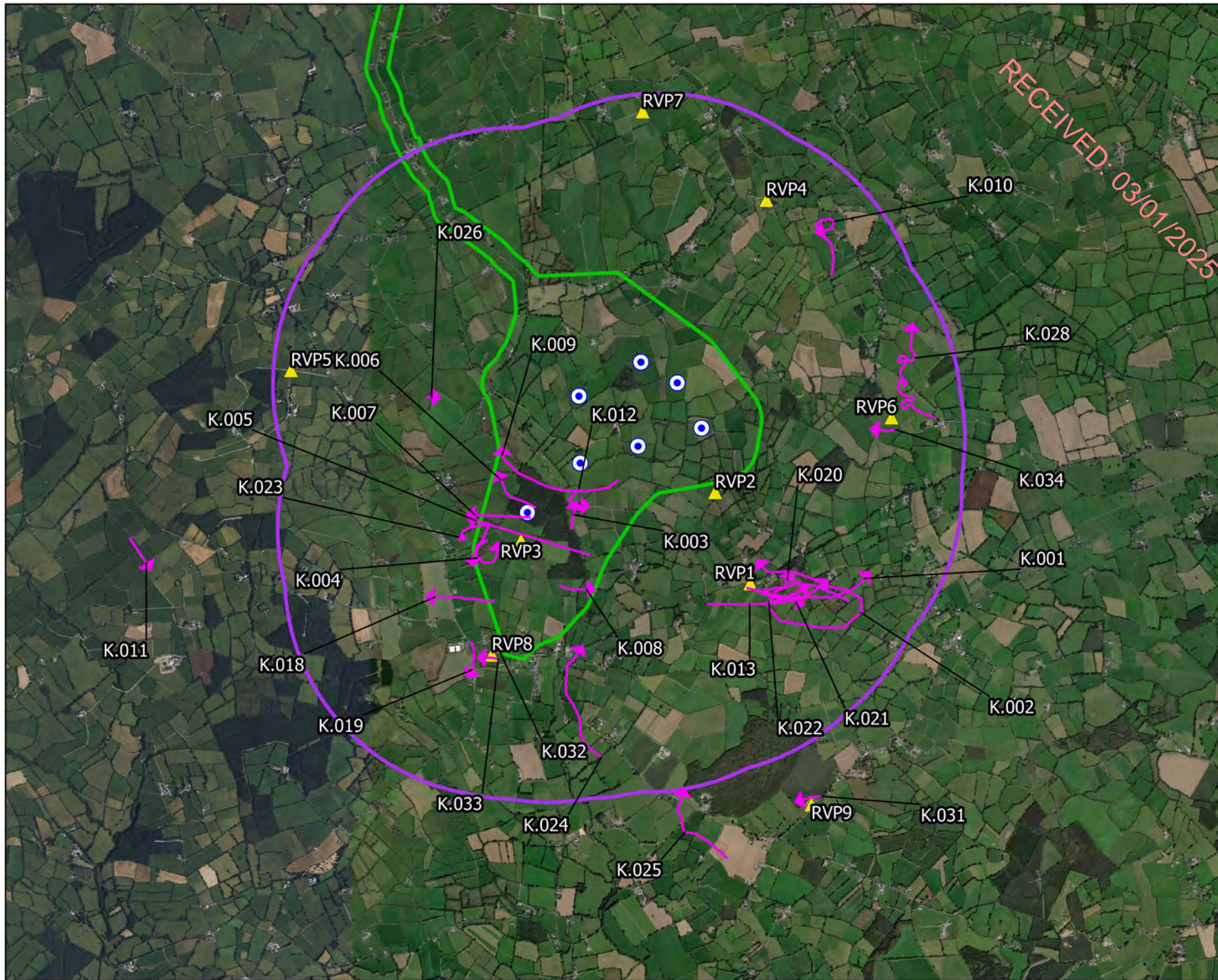
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-  EIAR Site Boundary
-  Turbine Locations
-  Survey Area
-  Observation



Drawing Title <b>Breeding Walkover Survey Kestrel Observations</b>	
Project Title <b>Briskalagh Renewable Energy Development</b>	
Drawn By <b>D. Woods</b>	Checked By <b>P. Cregg</b>
Project No. <b>230502</b>	Drawing No. <b>Fig. 7.4.6.2</b>
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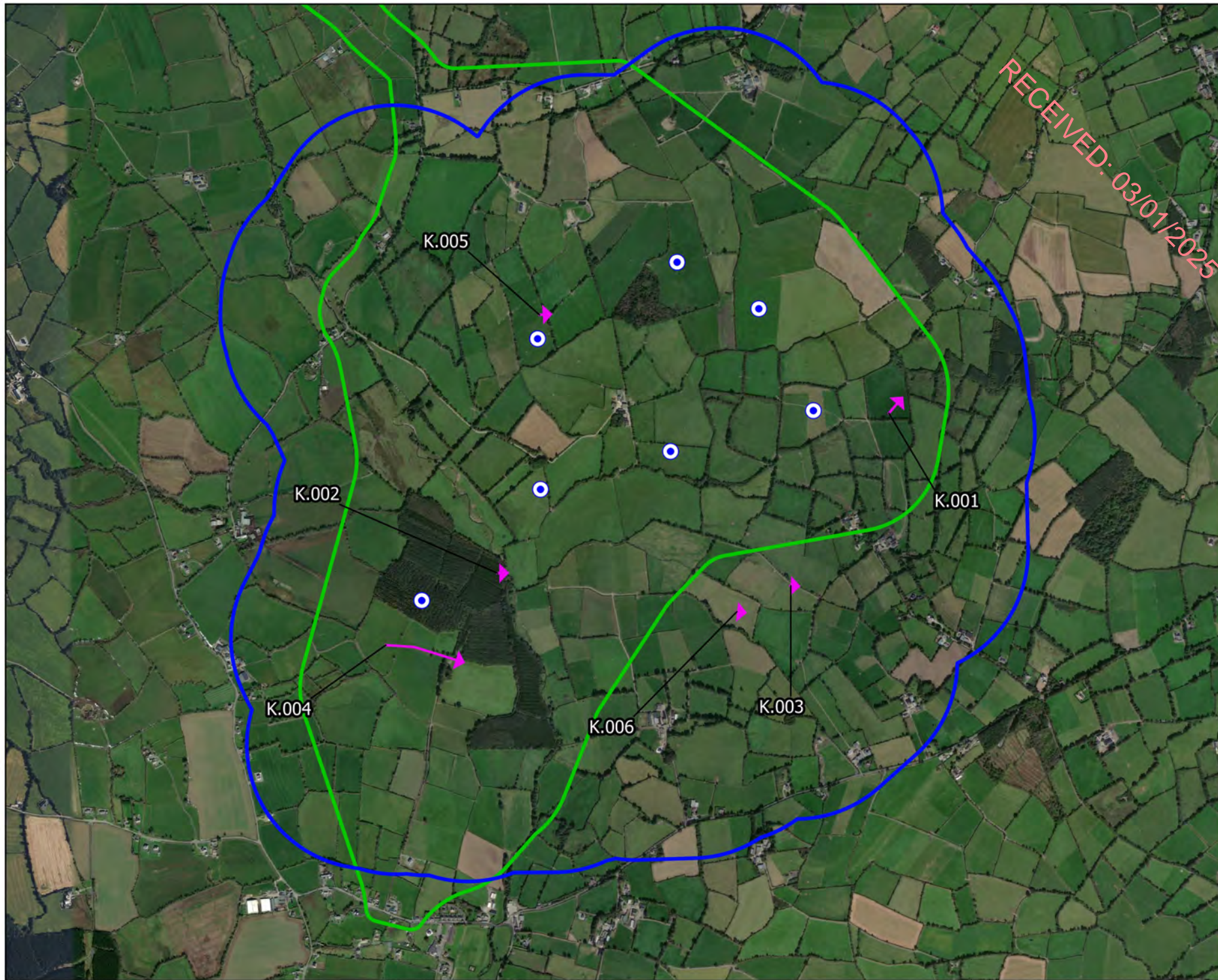
- EIA Site Boundary
- Turbine Locations
- 2km Survey Radius
- RVP Locations
- Observation

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Drawing Title	
Breeding Raptor Survey Kestrel Observations	
Project Title	
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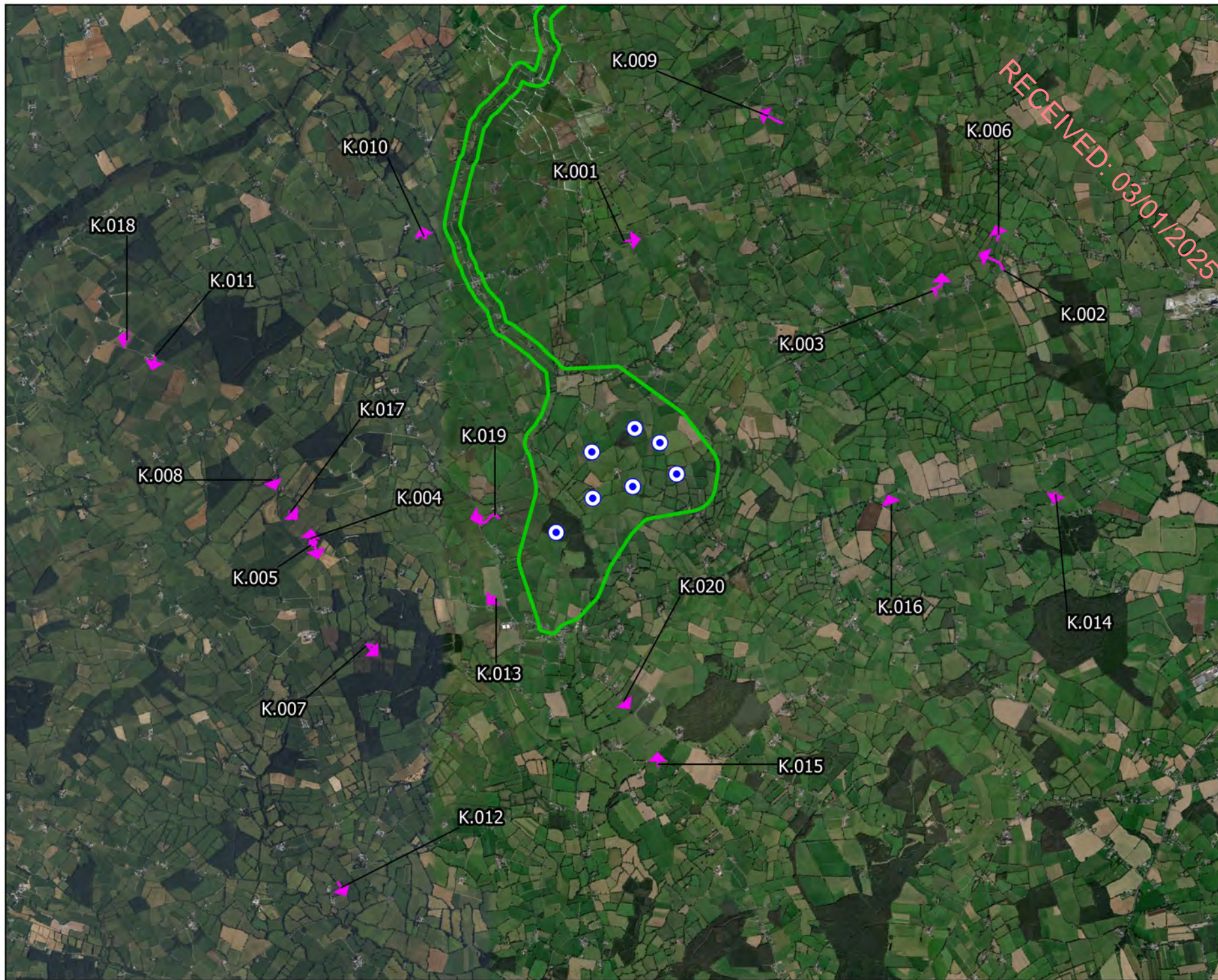
- EIAR Site Boundary
- Turbine Locations
- Survey Area
- Observation

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Drawing Title	
Winter Walkover Survey Kestrel Observations	
Project Title	
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**Map Legend**

- EIAR Site Boundary
- Turbine Locations
- Observation

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Drawing Title	
Incidental Records Kestrel Observations	
Project Title	
Briskalagh Renewable Energy Development	
Drawn By	Checked By
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7.

## SNIFE

Table 7 - 4 - 7 - 1 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	31/08/2021	15:05	Snipe	1	48	0	0	48	0	improved agricultural grassland and hedgerows; flying commuting in to land., descended below treeline out of view.	PW
SN002	VP1	22/10/2021	07:16	Snipe	1	10	10	0	0	0	improved agricultural grassland; travelling	DW
SN003	VP1	14/01/2022	15:58	Snipe	1	30	0	30	0	0	improved agricultural grassland; flying, calling, calling, flew n thru site	AM
SN004	VP1	28/10/2022	09:48	Snipe	2	13	1	12	0	0	improved agricultural grassland; flying, dropped to grassland	KW
SN005	VP1	26/01/2023	15:48	Snipe	1	49	0	0	49	0	improved agricultural grassland; flying	KW
SN006	VP1	26/01/2023	17:34	Snipe	1	5	0	0	5	0	improved agricultural grassland; flying	KW
SN007	VP1	25/03/2023	19:12	Snipe	1	11	0	0	11	0	improved agricultural grassland; flying	KW

Table 7 - 4 - 7 - 2 Snipe Breeding Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	12/04/2022	14:02	Snipe	1	improved agricultural grassland; flushed, flushed from wet part of field (suitable nesting habitat; possible breeder)	DW
SN002	12/04/2022	14:08	Snipe	1	improved agricultural grassland; travelling (suitable nesting habitat; possible breeder)	DW
SN003	12/04/2022	15:22	Snipe	1	improved agricultural grassland; flushed (suitable nesting habitat; possible breeder)	DW

Table 7 - 4 - 7 - 3 Snipe Winter Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	03/02/2022	13:45	Snipe	2	improved agricultural grassland; flushed (wintering)	DW
SN002	03/02/2022	15:15	Snipe	1	improved agricultural grassland; flushed (wintering)	DW
SN003	24/10/2022	11:21	Snipe	1	wet grassland; flushed (wintering)	KW
SN004	24/10/2022	11:22	Snipe	1	wet grassland; flushed (wintering)	KW
SN005	24/10/2022	15:14	Snipe	1	improved agricultural grassland; flushed (wintering)	KW
SN006	24/10/2022	15:31	Snipe	1	wet grassland; flushed (wintering)	KW
SN007	08/12/2022	10:23	Snipe	2	improved agricultural grassland; flushed (wintering)	KW

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
SN008	08/12/2022	12:49	Snipe	1	improved agricultural grassland; flushed (wintering)	KW
SN009	08/12/2022	14:48	Snipe	3	improved agricultural grassland; flushed (wintering)	KW
SN010	06/01/2023	13:13	Snipe	1	improved agricultural grassland; flushed (wintering)	KW
SN011	06/01/2023	13:18	Snipe	1	improved agricultural grassland; flushed (wintering)	KW
SN012	15/03/2023	09:23	Snipe	4	improved agricultural grassland; flushed (wintering)	KW

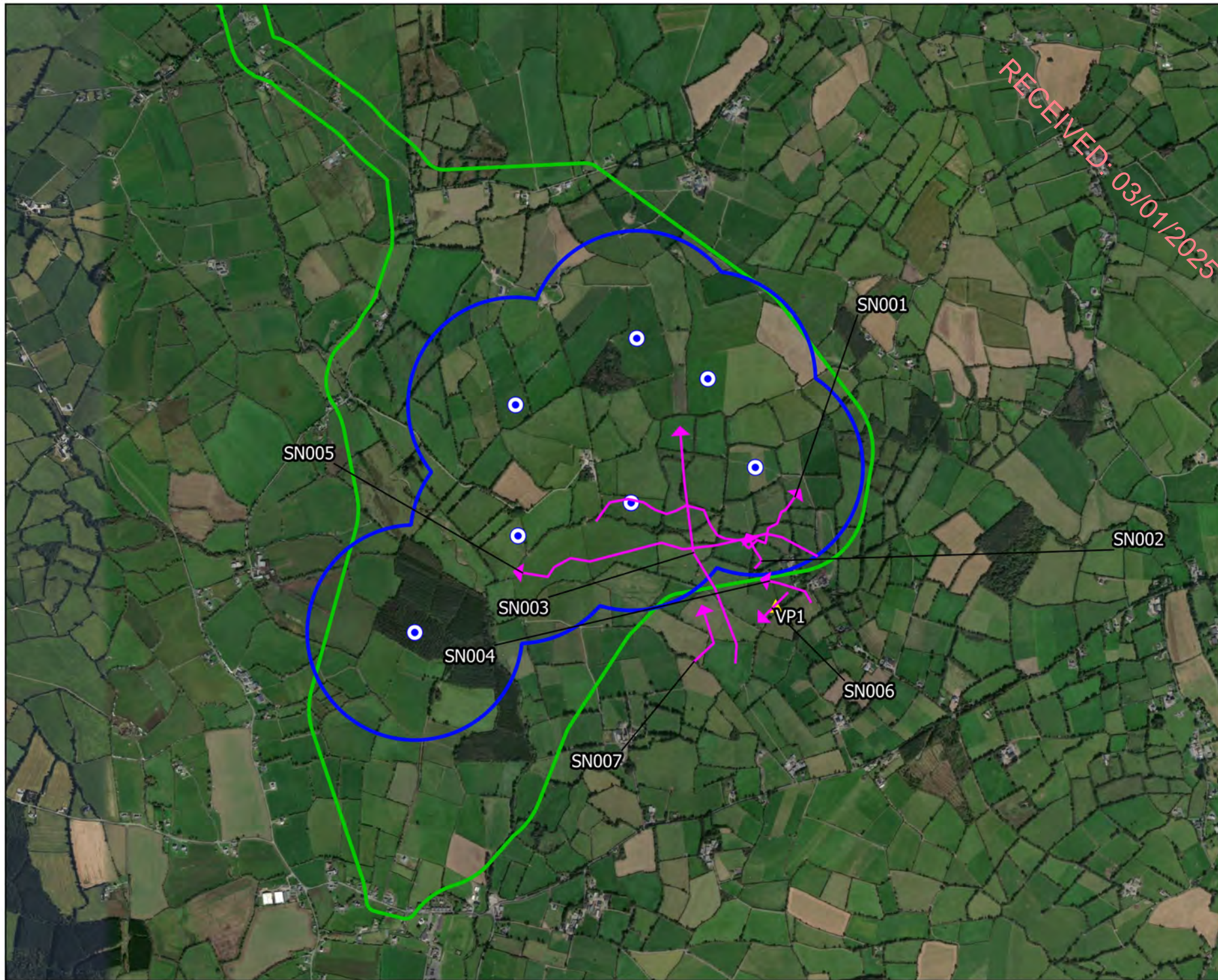
Table 7 - 4 - 7 - 4 Snipe Waterbird Distribution and Abundance Survey Data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	5km Survey Radius	15/10/2021	12:04	Snipe	1	watercourses; flushed	DW

Table 7 - 4 - 7 - 5 Snipe Incidental Survey Data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	Vantage Point Survey; On way to VP2	18/11/2021	14:41	Snipe	1	improved agricultural grassland; flying, flushed from field on way to vp	AM
SN002	Breeding Kingfisher Survey; River	20/04/2022	11:25	Snipe	1	watercourses and improved agricultural grassland; flushed	DW
SN003	Breeding Kingfisher Survey; River	20/04/2022	12:40	Snipe	1	improved agricultural grassland; flushed	DW





### Map Legend

- EIAR Site Boundary
- Turbine Locations
- 500m Radius of Turbines
- ▲ Vantage Point Locations
- Flight Observation

Drawing Title

Vantage Point Survey  
Snipe Observations

Project Title

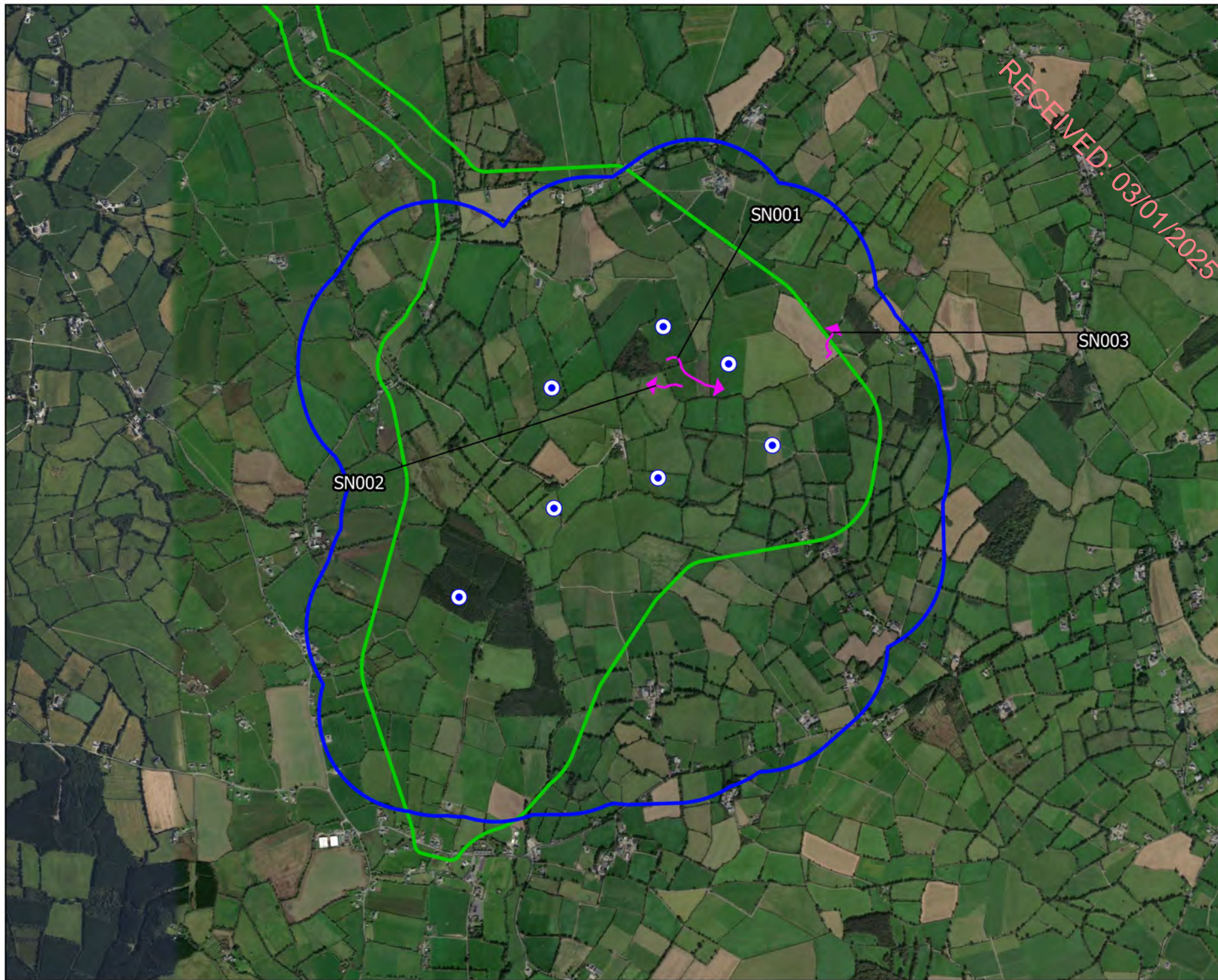
Briskalagh Renewable Energy  
Development

Drawn By	Checked By
D. Woods	P. Cregg
Project No.	Drawing No.
230502	Fig. 7.4.7.1
Scale	Date
1:23,000	05.07.2024

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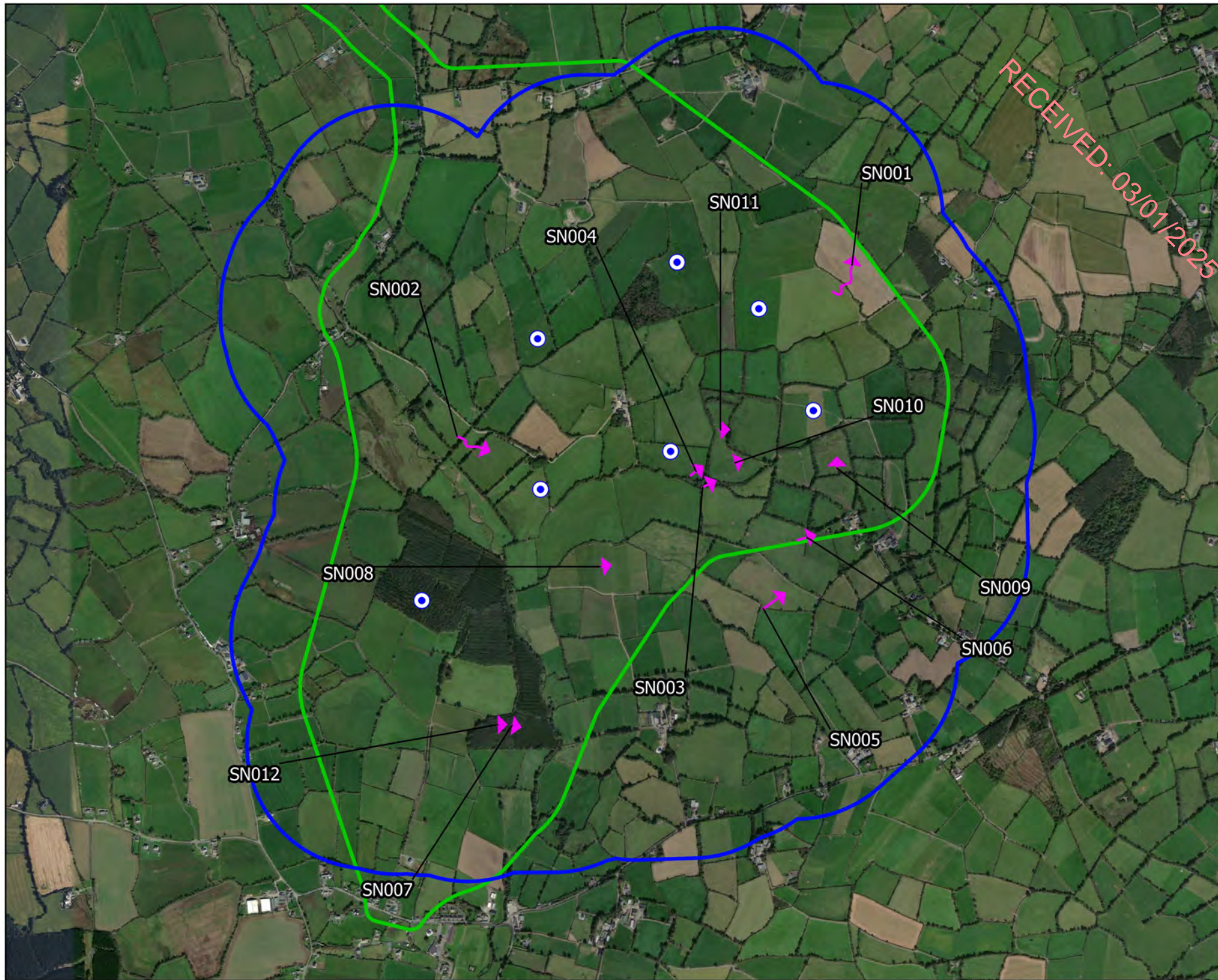
- Map Legend**
- EIA Site Boundary
  - Turbine Locations
  - Survey Area
  - Observation



Drawing Title	
Breeding Walkover Survey Snipe Observations	
Project Title	
Briskalagh Renewable Energy Development	
Drawn By	Checked By
D. Woods	P. Cregg
Project No.	Drawing No.
230502	Fig. 7.4.7.2
Scale	Date
1:25,000	05.07.2024
MKO Planning and Environmental Consultants Tuam Road, Galway Ireland, H91 VV84 +353 (0) 91 735611 email: info@mkofireland.ie Website: www.mkofireland.ie	

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### Map Legend

- EIAR Site Boundary
- Turbine Locations
- Survey Area
- Observation

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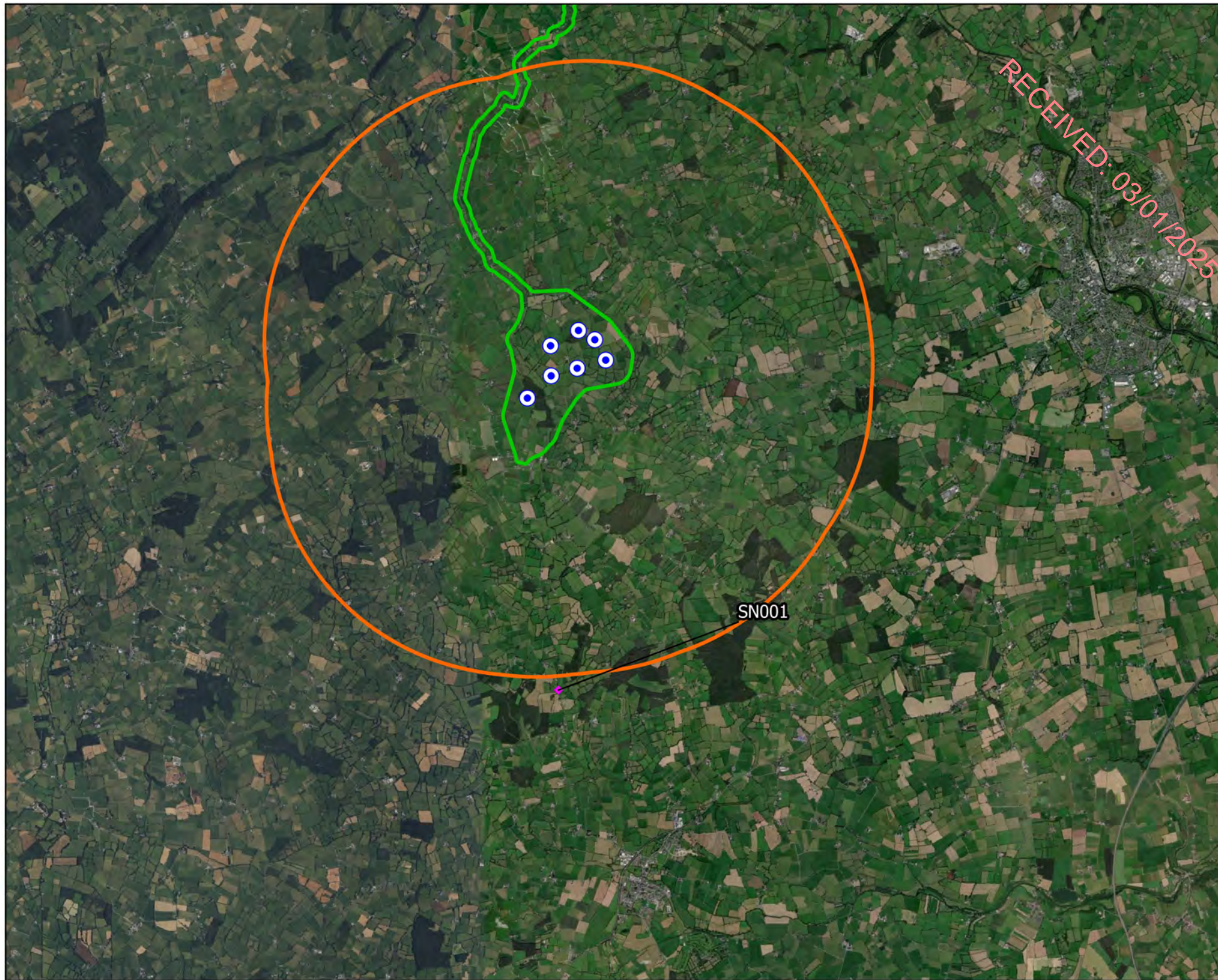
Drawing Title  
**Winter Walkover Survey  
Snipe Observations**

Project Title  
**Briskalagh Renewable Energy  
Development**





Drawn By <b>D. Woods</b>	Checked By <b>P. Cregg</b>
Project No. <b>230502</b>	Drawing No. <b>Fig. 7.4.7.3</b>
Scale <b>1:20,000</b>	Date <b>05.07.2024</b>

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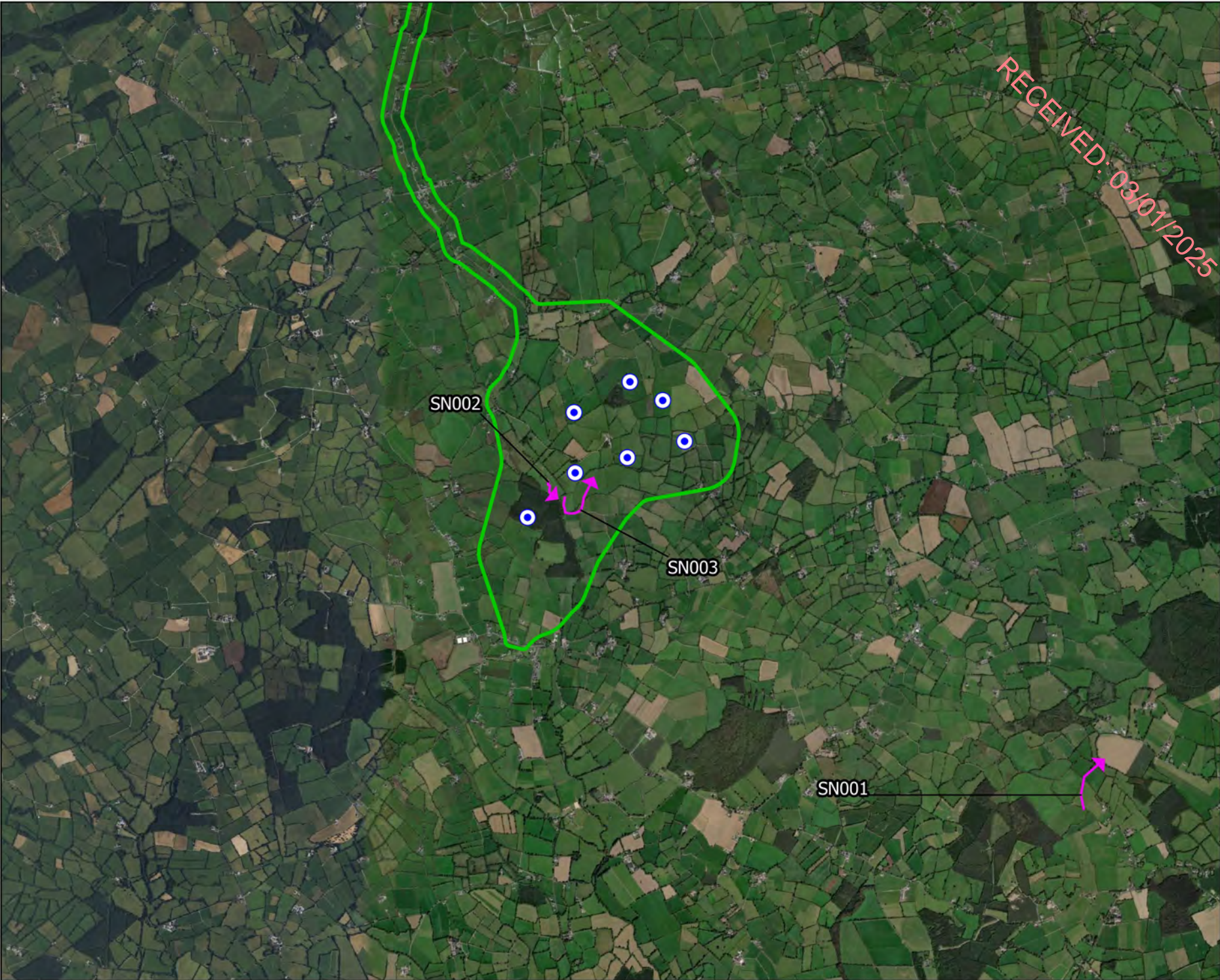
### Map Legend

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






Drawing Title	
Waterbird Distribution and Abundance Survey Snipe Observations	
Project Title	
Briskalagh Renewable Energy Development	
Drawn By	Checked By
D. Woods	P. Cregg
Project No.	Drawing No.
230502	Fig. 7.4.7.4
Scale	Date
1:100,000	05.07.2024
 <div>MKO Planning and Environmental Consultants Tuam Road, Galway Ireland, H91 VW84 +353 (0) 91 735611 email: info@mkofireland.ie Website: www.mkofireland.ie</div>	





Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Observation



Drawing Title	
Incidental Records Snipe Observations	
Project Title	
Briskalagh Renewable Energy Development	
Drawn By	Checked By
D. Woods	P. Cregg
Project No.	Drawing No.
230502	Fig. 7.4.7.5
Scale	Date
1:50,000	05.07.2024
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8.

## BUZZARD

**Note:** Sensitive data relating to breeding sites has been omitted from this appendix and is provided in Confidential Appendix 7-7.

Table 7- 4 - 8 - 1 Buzzard 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
BZ001	VP1	12/06/2021	15:37	Buzzard	1	97	0	97	0	0	improved agricultural grassland; flying	KW
BZ002	VP1	12/06/2021	17:59	Buzzard	1	247	0	0	247	0	improved agricultural grassland; hunting, soaring	KW
BZ003	VP1	12/06/2021	18:43	Buzzard	1	28	0	0	28	0	improved agricultural grassland; flying	KW
BZ004	VP1	07/07/2021	14:46	Buzzard	1	12	12	0	0	0	improved agricultural grassland; flying	KW
BZ005	VP1	07/07/2021	14:55	Buzzard	1	258	0	0	258	0	improved agricultural grassland; hunting	KW
BZ006	VP1	07/07/2021	15:29	Buzzard	1	27	27	0	0	0	improved agricultural grassland and treelines; flying	KW
BZ007	VP1	07/07/2021	16:11	Buzzard	1	98	0	0	98	0	improved agricultural grassland; soaring	KW
BZ008	VP1	24/07/2021	09:20	Buzzard	1	-	-	-	-	-	hedgerows; calling	KW
BZ009	VP1	24/07/2021	11:09	Buzzard	1	159	159	0	0	0	improved agricultural grassland and treelines; flying	KW
BZ010	VP1	24/07/2021	11:19	Buzzard	1	37	37	0	0	0	improved agricultural grassland and hedgerows; flying	KW
BZ011	VP1	28/09/2021	13:49	Buzzard	1	13	0	13	0	0	improved agricultural grassland and hedgerows; gliding along in breeze., moved behind treeline out of view.	PW
BZ012	VP1	28/09/2021	13:56	Buzzard	1	36	0	0	36	0	improved agricultural grassland and hedgerows; circling hunting before diving in fast descent.	PW
BZ013	VP1	28/09/2021	14:03	Buzzard	2	65	2	3	35	25	improved agricultural grassland, hedgerows and treelines; circling and mobbing each other before diving to ground to perch in tree.	PW
BZ014	VP1	28/09/2021	14:05	Buzzard	3	40	35	5	0	0	improved agricultural grassland, hedgerows and treelines; flying low across field and wll chasing each other before perching.	PW
BZ015	VP1	28/09/2021	14:07	Buzzard	1	15	15	0	0	0	improved agricultural grassland, hedgerows and treelines; flying low across field to land in tree.	PW



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
BZ016	VP1	28/09/2021	14:45	Buzzard	1	34	34	0	0	0	improved agricultural grassland, hedgerows and treelines; flying, mobbed, flew to treeline out of view, chased by hooded crow	PW
BZ017	VP1	28/09/2021	15:56	Buzzard	1	5	0	5	0	0	hedgerows, improved agricultural grassland and mixed broadleaved woodland; flying, mobbed, chased by 2 hooded crows	PW
BZ018	VP1	28/09/2021	16:26	Buzzard	1	180	0	0	164	16	improved agricultural grassland, hedgerows and treelines; circling and gliding in breeze.	PW
BZ019	VP1	28/09/2021	18:03	Buzzard	1	102	0	0	102	0	improved agricultural grassland and hedgerows; circling and gliding before descending down out of view.	PW
BZ020	VP1	22/10/2021	10:56	Buzzard	1	390	0	0	390	0	improved agricultural grassland; gliding	DW
BZ021	VP1	22/10/2021	11:15	Buzzard	3	76	16	30	30	0	improved agricultural grassland; soaring and travelling together	DW
BZ022	VP1	09/11/2021	16:03	Buzzard	1	30	0	30	0	0	improved agricultural grassland; flying, circling, calling then back s	AM
BZ023	VP1	18/11/2021	12:23	Buzzard	1	30	30	0	0	0	improved agricultural grassland; flying, bird thru site to n	AM
BZ024	VP1	14/01/2022	15:14	Buzzard	1	30	30	0	0	0	improved agricultural grassland and treelines; flying, calling, calling in flight, seen briefly	AM
BZ025	VP1	25/02/2022	08:37	Buzzard	1	45	15	30	0	0	improved agricultural grassland; flying, bird flew up valley over treetops	AM
BZ026	VP1	25/02/2022	11:31	Buzzard	1	45	0	0	45	0	improved agricultural grassland; flying, circling, circling to w of vp	AM
BZ027	VP1	25/02/2022	11:49	Buzzard	1	60	0	15	45	0	improved agricultural grassland; flying, circling, flew thru site, mobbed by hooded crows stooped fast then circling to e of site	AM
BZ028	VP1	25/02/2022	11:52	Buzzard	2	180	0	0	0	0	improved agricultural grassland; circling, circling to e of site, calling high up	AM
BZ029	VP1	25/02/2022	13:11	Buzzard	2	240	0	0	240	0	improved agricultural grassland; soaring, pair soaring high together over site	AM
BZ030	VP1	15/03/2022	13:47	Buzzard	1	190	5	15	170	0	improved agricultural grassland; travelling/circling	JM
BZ031	VP1	15/03/2022	14:01	Buzzard	2	276	5	5	266	0	improved agricultural grassland; flying/circling, breeding behaviour/skydancing	JM



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
BZ032	VP1	27/04/2022	10:53	Buzzard	3	365	0	35	330	0	improved agricultural grassland; pair soaring together with 3rd bird in proximity, 1 bird from pair mobbing 3rd bird. 3 of 5 buzzards in viewshed	DW
BZ033	VP1	27/04/2022	10:54	Buzzard	2	560	30	100	430	0	improved agricultural grassland; pair soaring together, in vicinity of spot where birds seen mating during walkover. 2 of 5 buzzards in viewshed	DW
BZ034	VP1	27/04/2022	11:28	Buzzard	1	224	20	34	170	0	improved agricultural grassland; soaring, gliding then diving to ground	DW
BZ035	VP1	27/04/2022	11:51	Buzzard	1	135	5	20	110	0	improved agricultural grassland; soaring then diving to ground, being mobbed by hooded crows	DW
BZ036	VP1	27/04/2022	11:52	Buzzard	1	125	0	25	100	0	improved agricultural grassland; soaring, initially together with 2nd buzzard, but then separating	DW
BZ037	VP1	27/04/2022	11:52	Buzzard	1	115	0	15	100	0	improved agricultural grassland; soaring	DW
BZ038	VP1	27/04/2022	12:21	Buzzard	2	365	0	25	300	40	improved agricultural grassland; soaring	DW
BZ039	VP1	27/04/2022	12:48	Buzzard	2	635	0	0	400	235	improved agricultural grassland; soaring	DW
BZ040	VP1	31/05/2022	09:59	Buzzard	1	101	0	0	101	0	improved agricultural grassland and treelines; hunting	KW
BZ041	VP1	23/06/2022	17:31	Buzzard	1	89	89	0	0	0	improved agricultural grassland; flying, sub-adult	KW
BZ042	VP1	23/06/2022	17:52	Buzzard	1	113	0	113	0	0	improved agricultural grassland and hedgerows; flying, into treeline	KW
BZ043	VP1	15/07/2022	14:08	Buzzard	1	54	0	54	0	0	improved agricultural grassland; hunting, adult	KW
BZ044	VP1	22/08/2022	14:19	Buzzard	1	284	0	0	269	0	improved agricultural grassland; hunting, adult	KW
BZ045	VP1	22/08/2022	14:43	Buzzard	1	194	0	5	189	0	improved agricultural grassland; soaring, adult	KW
BZ046	VP1	22/08/2022	15:16	Buzzard	1	309	0	3	306	0	improved agricultural grassland; soaring, dropped to treeline	KW
BZ047	VP1	22/08/2022	15:21	Buzzard	1	104	0	4	118	0	improved agricultural grassland; soaring, adult, dived	KW
BZ048	VP1	22/08/2022	17:24	Buzzard	1	38	0	38	0	0	improved agricultural grassland; flying, adult	KW
BZ049	VP1	23/08/2022	11:32	Buzzard	1	12	12	0	0	0	hedgerows; flying, adult	KW



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
BZ050	VP1	23/08/2022	11:59	Buzzard	1	19	19	0	0	0	improved agricultural grassland; flying, adult	KW
BZ051	VP1	23/08/2022	13:59	Buzzard	1	47	0	2	45	0	improved agricultural grassland; flying, adult circling above treeline	KW
BZ052	VP1	23/08/2022	14:48	Buzzard	1	103	0	1	102	0	improved agricultural grassland; flying, adult circling	KW
BZ053	VP1	28/10/2022	08:14	Buzzard	1	-	-	-	-	-	treelines; calling	KW
BZ054	VP1	28/10/2022	12:29	Buzzard	1	73	0	50	23	0	improved agricultural grassland; flying	KW
BZ055	VP1	28/11/2022	11:59	Buzzard	1	28	0	0	28	0	improved agricultural grassland; hunting	KW
BZ056	VP1	28/11/2022	12:11	Buzzard	1	36	0	0	36	0	improved agricultural grassland; hunting	KW
BZ057	VP1	28/11/2022	12:52	Buzzard	1	16	0	16	0	0	improved agricultural grassland; hunting	KW
BZ058	VP1	28/11/2022	15:33	Buzzard	1	24	0	24	0	0	improved agricultural grassland; flying	KW
BZ059	VP1	21/12/2022	09:29	Buzzard	2	33	0	33	0	0	improved agricultural grassland; flying	KW
BZ060	VP1	21/12/2022	11:09	Buzzard	1	89	0	89	0	0	improved agricultural grassland and treelines; hunting	KW
BZ061	VP1	21/12/2022	12:59	Buzzard	1	44	0	44	0	0	improved agricultural grassland and treelines; hunting	KW
BZ062	VP1	28/02/2023	12:14	Buzzard	1	87	0	0	87	0	improved agricultural grassland; hunting	KW

Table 7 - 4 - 8 - 2 Buzzard Breeding Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ001	22/05/2021	14:05	Buzzard	1	mixed broadleaved/conifer woodland and improved agricultural grassland; flying, flew north (suitable nesting habitat; possible breeder)	KW
BZ002	22/05/2021	18:08	Buzzard	1	conifer plantation; flying, circling over plantation (suitable nesting habitat; possible breeder)	KW
BZ003	04/06/2021	13:07	Buzzard	1	improved agricultural grassland; soaring, glided south west (suitable nesting habitat; possible breeder)	KW
BZ004	04/06/2021	16:13	Buzzard	1	conifer plantation and improved agricultural grassland; flying, soaring, soared out of sitka plantation circled grassland then flew north east (suitable nesting habitat; possible breeder)	KW
BZ005	08/06/2021	16:00	Buzzard	1	conifer plantation, improved agricultural grassland and conifer plantation; flying, dropped into plantation (suitable nesting habitat; possible breeder)	KW
BZ006	08/06/2021	16:01	Buzzard	1	conifer plantation; calling (suitable nesting habitat; possible breeder)	KW
BZ007	08/06/2021	18:11	Buzzard	1	treelines and improved agricultural grassland; flying, west of lane (suitable nesting habitat; possible breeder)	KW
BZ008	08/06/2021	19:04	Buzzard	3	improved agricultural grassland; soaring, north west of plantation (suitable nesting habitat; possible breeder)	KW



Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ009	26/06/2021	15:19	Buzzard	1	mixed broadleaved/conifer woodland; soaring, circled ne from woodland (suitable nesting habitat; possible breeder)	KW
BZ010	27/06/2021	14:46	Buzzard	1	conifer plantation, mixed broadleaved/conifer woodland and improved agricultural grassland; soaring, soared above ash plantation then glided west circling above grassland up to 100m (suitable nesting habitat; possible breeder)	KW
BZ011	27/06/2021	14:51	Buzzard	1	improved agricultural grassland; flying, smaller male in from the west to join larger female soaring above grassland - 100-200m went north / male not carrying prey (suitable nesting habitat; possible breeder)	KW
BZ012	27/06/2021	14:53	Buzzard	1	conifer plantation, improved agricultural grassland and treelines; soaring, pair circled high above grassland 200-400m before series of dives 7 gliding to hedgerow (pair; probable breeding)	KW
BZ013	27/06/2021	14:53	Buzzard	1	conifer plantation, improved agricultural grassland and treelines; soaring, pair circled high above grassland 200-400m before series of dives 7 gliding to hedgerow (pair; probable breeding)	KW
BZ014	27/06/2021	15:29	Buzzard	1	treelines, treelines and conifer plantation; flying, larger female flew east & landed in sitka plantation (probable nest site; probable breeding)	KW
BZ015	12/04/2022	14:16	Buzzard	2	improved agricultural grassland; soaring and calling (pair; probable breeding)	DW
BZ016	13/04/2022	10:38	Buzzard	1	improved agricultural grassland; travelling (suitable nesting habitat; possible breeder)	DW
BZ017	13/04/2022	12:21	Buzzard	2	improved agricultural grassland and hedgerows; 1 bird soaring then joined by 2nd bird display diving and calling, displaying bird landing in tree while other bird stayed soaring and calling (courtship and display; probable breeding)	DW
BZ018	13/04/2022	13:05	Buzzard	2	improved agricultural grassland and hedgerows; soaring together and calling, emerging into view from behind hedgerows (pair; probable breeding)	DW
BZ019	13/04/2022	13:17	Buzzard	1	improved agricultural grassland and hedgerows; calling and landing to perch in same tree as seen previously, no obvious nest observed (suitable nesting habitat; possible breeder)	DW
BZ020	13/04/2022	15:08	Buzzard	2	hedgerows and improved agricultural grassland; pair seen mating in tree. male then flew to perch in adjacent tree (courtship and display; probable breeding)	DW
BZ021	11/05/2022	15:04	Buzzard	2	improved agricultural grassland; soaring loosely together (pair; probable breeding)	DW
BZ022	11/05/2022	15:39	Buzzard	1	improved agricultural grassland; soaring, being mobbed by corvid (suitable nesting habitat; possible breeder)	DW
BZ023	12/05/2022	16:18	Buzzard	1	improved agricultural grassland; travelling (suitable nesting habitat; possible breeder)	DW
BZ024	01/06/2022	14:06	Buzzard	1	improved agricultural grassland; soaring (suitable nesting habitat; possible breeder)	DW
BZ025	01/06/2022	14:07	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland; soaring, possibly dropping down into trees (suitable nesting habitat; possible breeder)	DW
BZ026	02/06/2022	14:42	Buzzard	1	conifer plantation and improved agricultural grassland; soaring (suitable nesting habitat; possible breeder)	DW
BZ027	21/07/2022	14:36	Buzzard	1	improved agricultural grassland; calling, heard calling for 10 seconds but not seen (suitable nesting habitat; possible breeder)	IH
BZ028	21/07/2022	15:34	Buzzard	3	improved agricultural grassland and mixed broadleaved/conifer woodland; flushed, calling, at least three calling, one bird flushed (fledged young; confirmed breeding)	IH



Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ029	21/07/2022	16:39	Buzzard	1	improved agricultural grassland; flushed, calling, calling from tree for a few mins after flushing (suitable nesting habitat; possible breeder)	IH
BZ030	21/07/2022	16:46	Buzzard	2	improved agricultural grassland; calling in flight, 2 birds in flight and calling, second bird only heard from other side of trees (fledged young; confirmed breeding)	IH
BZ031	22/07/2022	12:24	Buzzard	1	improved agricultural grassland; soaring (suitable nesting habitat; possible breeder)	IH
BZ032	22/07/2022	12:24	Buzzard	1	improved agricultural grassland; soaring (suitable nesting habitat; possible breeder)	IH
BZ033	22/07/2022	12:26	Buzzard	1	improved agricultural grassland; soaring (suitable nesting habitat; possible breeder)	IH
BZ034	22/07/2022	12:54	Buzzard	1	improved agricultural grassland; flushed, flushed from tree (suitable nesting habitat; possible breeder)	IH
BZ035	22/07/2022	13:04	Buzzard	1	improved agricultural grassland; calling, soaring, second bird replying with call from a few hundred metres away (suitable nesting habitat; possible breeder)	IH
BZ036	22/07/2022	13:05	Buzzard	1	improved agricultural grassland; calling, soaring, replying with call to bird above (suitable nesting habitat; possible breeder)	IH
BZ037	22/07/2022	13:06	Buzzard	1	improved agricultural grassland; calling, soaring, third individual, missing primary on each wing and 1 tail feather (suitable nesting habitat; possible breeder)	IH
BZ038	22/07/2022	13:15	Buzzard	2	improved agricultural grassland; calling, soaring, bird with missing primary feathers now interacting with second bird (suitable nesting habitat; possible breeder)	IH
BZ039	22/07/2022	13:49	Buzzard	1	improved agricultural grassland; calling, not seen through thick hedgerow, location approximate (suitable nesting habitat; possible breeder)	IH
BZ040	22/07/2022	16:41	Buzzard	1	improved agricultural grassland; soaring, called once (suitable nesting habitat; possible breeder)	IH

Table 7 - 4 - 8 - 3 Buzzard Breeding Raptor Survey Data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ001	BRVP1	25/04/2021	08:58	Buzzard	1	improved agricultural grassland, hedgerows and treelines, flying over fields	flyover; non-breeding	SP
BZ002	BRVP1	25/04/2021	09:10	Buzzard	1	improved agricultural grassland, hedgerows and treelines, flying over fields	flyover; non-breeding	SP
BZ003	BRVP1	25/04/2021	09:44	Buzzard	3	oak-ash-hazel woodland, soaring over woodland	suitable nesting habitat; possible breeder	SP
BZ004	BRVP1	25/04/2021	10:17	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring over fields, ballyhack	flyover; non-breeding	SP
BZ005	BRVP1	25/04/2021	10:25	Buzzard	1	improved agricultural grassland, hedgerows and treelines, flying over fields, ballykeeffe	flyover; non-breeding	SP
BZ006	BRVP1	25/04/2021	10:35	Buzzard	1	oak-ash-hazel woodland, hedgerows and improved agricultural grassland, soaring over woodland	suitable nesting habitat; possible breeder	SP
BZ007	BRVP1	25/04/2021	10:41	Buzzard	2	oak-ash-hazel woodland, soaring over woodlands, ballykeeffe	suitable nesting habitat; possible breeder	SP



Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ008	BRVP1	25/04/2021	11:05	Buzzard	1	oak-ash-hazel woodland, soaring over woodland	suitable nesting habitat; possible breeder	SP
BZ009	BRVP2	25/04/2021	12:30	Buzzard	1	improved agricultural grassland and treelines, perched in tree, ballycuddihy	flyover; non-breeding	SP
BZ010	BRVP2	25/04/2021	12:36	Buzzard	1	improved agricultural grassland and hedgerows, soaring, ballyc- briskalagh	flyover; non-breeding	SP
BZ011	BRVP2	25/04/2021	13:46	Buzzard	1	improved agricultural grassland, hedgerows and treelines, flying over fields, coolnapisha	flyover; non-breeding	SP
BZ012	BRVP2	25/04/2021	13:59	Buzzard	1	improved agricultural grassland, treelines and hedgerows, soaring, kilmanagh	flyover; non-breeding	SP
BZ013	BRVP2	25/04/2021	14:15	Buzzard	1	improved agricultural grassland, treelines and hedgerows, flying over fields	flyover; non-breeding	SP
BZ014	BRVP3	25/04/2021	14:50	Buzzard	1	improved agricultural grassland, treelines and mixed conifer woodland, flying into forestry	suitable nesting habitat; possible breeder	SP
BZ015	BRVP3	25/04/2021	15:05	Buzzard	1	mixed conifer woodland, mixed broadleaved woodland and improved agricultural grassland, soaring over forestry, oldtown	suitable nesting habitat; possible breeder	SP
BZ016	BRVP3	25/04/2021	15:10	Buzzard	2	improved agricultural grassland, hedgerows and treelines, soaring	suitable nesting habitat; possible breeder	SP
BZ017	BRVP3	25/04/2021	15:30	Buzzard	1	treelines and improved agricultural grassland, flying through trees	flyover; non-breeding	SP
BZ018	BRVP3	25/04/2021	15:50	Buzzard	1	mixed conifer woodland, improved agricultural grassland and treelines, rising from forestry, oldtown	suitable nesting habitat; possible breeder	SP
BZ019	BRVP3	25/04/2021	16:50	Buzzard	1	improved agricultural grassland, hedgerows and mixed conifer woodland, flying upriver into forest, oldtown	flyover; non-breeding	SP
BZ020	BRVP3	25/04/2021	16:58	Buzzard	1	improved agricultural grassland, hedgerows and mixed conifer woodland, flying over fields, oldtown	flyover; non-breeding	SP
BZ021	BRVP1	04/05/2021	08:38	Buzzard	1	improved agricultural grassland, hedgerows and treelines, flying low over fields, ballykeefe	flyover; non-breeding	SP
BZ022	BRVP1	04/05/2021	08:39	Buzzard	1	improved agricultural grassland, treelines and hedgerows, flying low over fields, different bird ballykeefe	flyover; non-breeding	SP
BZ023	BRVP1	04/05/2021	08:50	Buzzard	1	improved agricultural grassland, treelines and hedgerows, flying low over fields, doorath	flyover; non-breeding	SP
BZ024	BRVP1	04/05/2021	09:50	Buzzard	1	arable crops and improved agricultural grassland, feeding on the ground, ballykeefe	flyover; non-breeding	SP
BZ025	BRVP1	04/05/2021	10:50	Buzzard	1	arable crops, improved agricultural grassland and hedgerows, flying low over fields, ballykeefe	flyover; non-breeding	SP
BZ026	BRVP2	04/05/2021	11:22	Buzzard	1	mixed broadleaved woodland and mixed broadleaved/conifer woodland, soaring over woodland, oldtown	flyover; non-breeding	SP



Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ027	BRVP2	04/05/2021	11:30	Buzzard	2	improved agricultural grassland, treelines and hedgerows, pair soaring, kilmanagh	suitable nesting habitat; possible breeder	SP
BZ028	BRVP2	04/05/2021	12:15	Buzzard	1	treelines and hedgerows, soaring then flew sw, kilmanagh	suitable nesting habitat; possible breeder	SP
BZ029	BRVP2	04/05/2021	12:43	Buzzard	1	mixed broadleaved woodland and mixed broadleaved/conifer woodland, flying low into forestry, oldtown	suitable nesting habitat; possible breeder	SP
BZ030	BRVP2	04/05/2021	13:30	Buzzard	1	improved agricultural grassland, hedgerows and treelines, flying low through fields, coolnapisha	flyover; non-breeding	SP
BZ031	BRVP2	04/05/2021	14:09	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring then flew nw, briskalagh	suitable nesting habitat; possible breeder	SP
BZ032	BRVP3	04/05/2021	15:39	Buzzard	1	improved agricultural grassland, hedgerows and treelines, hunting from perches, briskalagh	flyover; non-breeding	SP
BZ033	BRVP3	04/05/2021	16:42	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring being mobbed, oldtownhill	flyover; non-breeding	SP
BZ034	BRVP3	04/05/2021	17:21	Buzzard	1	improved agricultural grassland, hedgerows and treelines, perched in tree, briskalagh	flyover; non-breeding	SP
BZ035	BRVP5	11/05/2021	10:35	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring, oldtownhill	flyover; non-breeding	SP
BZ036	BRVP5	11/05/2021	11:18	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring very high, oldtownhill	suitable nesting habitat; possible breeder	SP
BZ037	BRVP5	11/05/2021	11:36	Buzzard	1	improved agricultural grassland, hedgerows and treelines, hunting from telephone, baunnahara	flyover; non-breeding	SP
BZ038	BRVP6	11/05/2021	13:00	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring very high, raheen	flyover; non-breeding	SP
BZ039	BRVP6	11/05/2021	13:18	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring, oldtown	flyover; non-breeding	SP
BZ040	BRVP6	11/05/2021	13:37	Buzzard	1	improved agricultural grassland, hedgerows and treelines, hunting, raheen	flyover; non-breeding	SP
BZ041	BRVP6	11/05/2021	13:40	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring very high, oldtown	courtship and display; probable breeding	SP
BZ042	BRVP6	11/05/2021	13:50	Buzzard	2	improved agricultural grassland, hedgerows and treelines, pair soaring very high, huntstown	courtship and display; probable breeding	SP
BZ043	BRVP6	11/05/2021	14:57	Buzzard	1	improved agricultural grassland, hedgerows and treelines, flying south then veered to huntstown mobbed by crows, courtstown	flyover; non-breeding	SP
BZ044	BRVP4	18/05/2021	08:33	Buzzard	1	improved agricultural grassland, hedgerows and treelines, hunting from poles, baunnaraha	flyover; non-breeding	SP
BZ045	BRVP4	18/05/2021	09:15	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring over oldtownhill, oldtownhill	suitable nesting habitat; possible breeder	SP



Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ046	BRVP4	18/05/2021	09:52	Buzzard	2	improved agricultural grassland, hedgerows and treelines, soaring together, baunnaraha	suitable nesting habitat; possible breeder	SP
BZ047	BRVP4	18/05/2021	10:00	Buzzard	1	#N/A	suitable nesting habitat; possible breeder	SP
BZ048	BRVP4	18/05/2021	10:08	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring/display dives, baunnaraha	courtship and display; probable breeding	SP
BZ049	BRVP4	18/05/2021	10:20	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring, ballycuddihy	suitable nesting habitat; possible breeder	SP
BZ050	BRVP4	18/05/2021	10:27	Buzzard	2	improved agricultural grassland, hedgerows and treelines, pair soaring, baunnaraha	suitable nesting habitat; possible breeder	SP
BZ051	BRVP4	18/05/2021	10:45	Buzzard	1	improved agricultural grassland, hedgerows and mixed broadleaved woodland, flying into forestry, oldtownhill	suitable nesting habitat; possible breeder	SP
BZ052	BRVP4	18/05/2021	10:58	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring, riesk	suitable nesting habitat; possible breeder	SP
BZ053	BRVP3	18/05/2021	12:05	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring over village, kilmanagh	suitable nesting habitat; possible breeder	SP
BZ054	BRVP3	18/05/2021	12:44	Buzzard	1	mixed broadleaved woodland, mixed broadleaved/conifer woodland and improved agricultural grassland, soaring, coolnapisha	suitable nesting habitat; possible breeder	SP
BZ055	BRVP3	18/05/2021	12:48	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring, ballycuddihy	suitable nesting habitat; possible breeder	SP
BZ056	BRVP3	18/05/2021	12:57	Buzzard	3	improved agricultural grassland, hedgerows and treelines, soaring, oldtownhill	suitable nesting habitat; possible breeder	SP
BZ057	BRVP3	18/05/2021	13:01	Buzzard	1	mixed broadleaved woodland, mixed broadleaved/conifer woodland and treelines, flying into forestry, coolnapisha	suitable nesting habitat; possible breeder	SP
BZ058	BRVP3	18/05/2021	13:50	Buzzard	1	improved agricultural grassland, hedgerows and treelines, hunting over oldtown, oldtown	suitable nesting habitat; possible breeder	SP
BZ059	BRVP3	18/05/2021	14:00	Buzzard	1	mixed broadleaved woodland, mixed broadleaved/conifer woodland and treelines, soaring, coolnapisha	suitable nesting habitat; possible breeder	SP
BZ060	BRVP3	18/05/2021	14:05	Buzzard	2	mixed broadleaved woodland, mixed broadleaved/conifer woodland and improved agricultural grassland, pair soaring, oldtown	suitable nesting habitat; possible breeder	SP
BZ061	BRVP3	18/05/2021	14:15	Buzzard	1	improved agricultural grassland, hedgerows and buildings and artificial surfaces, soaring over village, kilmanagh	suitable nesting habitat; possible breeder	SP
BZ062	BRVP1	27/05/2021	08:03	Buzzard	1	mixed broadleaved woodland and mixed broadleaved/conifer woodland, flying into forestry, ballykeefe	suitable nesting habitat; possible breeder	SP

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ063	BRVP1	27/05/2021	09:46	Buzzard	1	mixed broadleaved woodland and mixed broadleaved/conifer woodland, soaring high over forestry, ballykeefe	suitable nesting habitat; possible breeder	SP
BZ064	BRVP1	27/05/2021	10:36	Buzzard	3	mixed broadleaved woodland, hedgerows and treelines, pair and single birds soaring over forestry, ballykeefe	suitable nesting habitat; possible breeder	SP
BZ065	BRVP1	27/05/2021	10:45	Buzzard	4	mixed broadleaved woodland and mixed broadleaved/conifer woodland, 2 pairs soaring over forestry, ballykeefe	suitable nesting habitat; possible breeder	SP
BZ066	Transect	27/05/2021	14:25	Buzzard	1	improved agricultural grassland, hedgerows and treelines, flying through fields, briskalagh (walking transect)	suitable nesting habitat; possible breeder	SP
BZ067	BRVP2	01/06/2021	09:50	Buzzard	1	improved agricultural grassland, hedgerows and treelines, hunting flying over fields, ballycuddihy	flyover; non-breeding	SP
BZ068	BRVP2	01/06/2021	10:28	Buzzard	1	mixed broadleaved woodland, mixed broadleaved/conifer woodland and improved agricultural grassland, soaring over forestry	suitable nesting habitat; possible breeder	SP
BZ069	BRVP1	14/06/2021	08:00	Buzzard	1	improved agricultural grassland, hedgerows and treelines, perched	suitable nesting habitat; possible breeder	SP
BZ070	BRVP1	14/06/2021	09:51	Buzzard	1	improved agricultural grassland, hedgerows and mixed broadleaved/conifer woodland, hunting over fields/woodland, ballykeeffe	flyover; non-breeding	SP
BZ071	BRVP1	14/06/2021	10:10	Buzzard	1	improved agricultural grassland, hedgerows and mixed broadleaved/conifer woodland, hunting over fields/woodland, ballykeeffe	flyover; non-breeding	SP
BZ072	BRVP1	14/06/2021	10:15	Buzzard	1	improved agricultural grassland, hedgerows and treelines, hunting over fields, knockeenbaun	flyover; non-breeding	SP
BZ073	BRVP1	14/06/2021	10:28	Buzzard	2	improved agricultural grassland, highly modified/non-native woodland and mixed broadleaved/conifer woodland, hunting over fields/woodland, ballykeeffe	flyover; non-breeding	SP
BZ074	BRVP5	14/06/2021	11:38	Buzzard	1	improved agricultural grassland, hedgerows and treelines, flying over fields, oldtown	flyover; non-breeding	SP
BZ075	BRVP5	14/06/2021	11:51	Buzzard	1	improved agricultural grassland, hedgerows and treelines, hunting over fields, banse glebe	flyover; non-breeding	SP
BZ076	BRVP5	14/06/2021	12:25	Buzzard	1	improved agricultural grassland, hedgerows and conifer plantation, soaring over ballagh, ballagh/banse glebe	courtship and display; probable breeding	SP
BZ077	BRVP5	14/06/2021	12:55	Buzzard	1	improved agricultural grassland, hedgerows and conifer plantation, soaring over fields ad forestry, banse glebe	courtship and display; probable breeding	SP
BZ078	BRVP5	14/06/2021	13:15	Buzzard	1	treelines and mixed broadleaved/conifer woodland, calling in tree copse, oldtown (walking transect)	suitable nesting habitat; possible breeder	SP
BZ079	BRVP5	14/06/2021	14:11	Buzzard	1	hedgerows, improved agricultural grassland and mixed broadleaved/conifer woodland, soaring over fields ad forestry, knockeenglass	suitable nesting habitat; possible breeder	SP



Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ080	BRVP4	17/06/2021	09:06	Buzzard	1	improved agricultural grassland, hedgerows and treelines, hunting over fields, baunnaraha	flyover; non-breeding	SP
BZ081	BRVP4	17/06/2021	10:59	Buzzard	1	mixed broadleaved woodland and mixed broadleaved/conifer woodland, soaring and calling over forestry, redeen	courtship and display; probable breeding	SP
BZ082	BRVP2	17/06/2021	12:02	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring, oldtownhill	suitable nesting habitat; possible breeder	SP
BZ083	BRVP2	17/06/2021	12:25	Buzzard	1	mixed broadleaved woodland and mixed broadleaved/conifer woodland, soaring over woodland, redeen	suitable nesting habitat; possible breeder	SP
BZ084	BRVP2	17/06/2021	12:45	Buzzard	1	improved agricultural grassland, treelines and mixed broadleaved/conifer woodland, soaring over briskalagh, briskalagh	suitable nesting habitat; possible breeder	SP
BZ085	BRVP2	17/06/2021	13:25	Buzzard	2	improved agricultural grassland, treelines and hedgerows, soaring together, briskalagh(walking transect)	courtship and display; probable breeding	SP
BZ086	BRVP2	17/06/2021	14:07	Buzzard	1	mixed broadleaved woodland and mixed broadleaved/conifer woodland, flying over woodland, oldtownhill (walking transect)	flyover; non-breeding	SP
BZ087	BRVP3	21/06/2021	10:35	Buzzard	2	improved agricultural grassland, improved agricultural grassland and treelines, 2, wd4	pair; probable breeding	SP
BZ088	BRVP3	21/06/2021	11:00	Buzzard	4	mixed broadleaved woodland and mixed broadleaved woodland, 4	nest with young; confirmed breeding	SP
BZ089	BRVP3	21/06/2021	11:45	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring/hunting over fields, briskalagh	suitable nesting habitat; possible breeder	SP
BZ090	BRVP3	21/06/2021	11:50	Buzzard	1	improved agricultural grassland, hedgerows and treelines, flying across valley, kilmanagh	suitable nesting habitat; possible breeder	SP
BZ091	BRVP3	21/06/2021	09:27	Buzzard	1	improved agricultural grassland, hedgerows and treelines, flying over fields, kilmanagh	flyover; non-breeding	SP
BZ092	BRVP3	21/06/2021	09:49	Buzzard	1	improved agricultural grassland, hedgerows and treelines, soaring over village, kilmanagh	courtship and display; probable breeding	SP
BZ093	BRVP1	23/07/2021	11:53	Buzzard	1	improved agricultural grassland and mixed broadleaved/conifer woodland, calling, heard calling not seen	suitable nesting habitat; possible breeder	IH
BZ094	BRVP1	23/07/2021	12:00	Buzzard	1	mixed broadleaved/conifer woodland and improved agricultural grassland, soaring, soaring over farmland	suitable nesting habitat; possible breeder	IH
BZ095	BRVP2	27/07/2021	09:01	Buzzard	2	mixed broadleaved/conifer woodland and improved agricultural grassland, calling, both calling from tree	suitable nesting habitat; possible breeder	IH
BZ096	BRVP2	27/07/2021	09:02	Buzzard	1	improved agricultural grassland and mixed broadleaved/conifer woodland, travelling, flew over vp to tree behind surveyor	suitable nesting habitat; possible breeder	IH

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ097	BRVP2	27/07/2021	09:03	Buzzard	1	mixed broadleaved/conifer woodland and improved agricultural grassland, circling, second bird left tree and flew overhead calling and circling	suitable nesting habitat; possible breeder	IH
BZ098	BRVP2	27/07/2021	09:05	Buzzard	2	improved agricultural grassland, soaring, calling, both soaring and calling over ag grassland	suitable nesting habitat; possible breeder	IH
BZ099	BRVP2	27/07/2021	09:07	Buzzard	1	improved agricultural grassland, soaring, soaring over field flew south	suitable nesting habitat; possible breeder	IH
BZ100	BRVP2	27/07/2021	10:54	Buzzard	1	improved agricultural grassland, mobbed, chased by jackdaws	suitable nesting habitat; possible breeder	IH
BZ101	BRVP2	27/07/2021	11:11	Buzzard	2	improved agricultural grassland, calling, calling not seen, marked approx	suitable nesting habitat; possible breeder	IH
BZ102	BRVP4	28/07/2021	09:30	Buzzard	2	improved agricultural grassland and immature woodland, soaring	suitable nesting habitat; possible breeder	IH
BZ103	BRVP4	28/07/2021	10:07	Buzzard	1	improved agricultural grassland, soared for 4 mins, mobbed by jackdaws	suitable nesting habitat; possible breeder	IH
BZ104	BRVP4	28/07/2021	10:23	Buzzard	1	improved agricultural grassland, mobbed by jackdaws	suitable nesting habitat; possible breeder	IH
BZ105	BRVP4	28/07/2021	10:54	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	IH
BZ106	BRVP4	28/07/2021	11:02	Buzzard	1	improved agricultural grassland, travelling low	suitable nesting habitat; possible breeder	IH
BZ107	BRVP9	05/04/2022	11:25	Buzzard	1	improved agricultural grassland and treelines, flew to perch in tree then travelling	suitable nesting habitat; possible breeder	DW
BZ108	BRVP8	05/04/2022	12:31	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	DW
BZ109	BRVP8	05/04/2022	12:41	Buzzard	1	highly modified/non-native woodland and improved agricultural grassland, soaring, mobbed by corvids	suitable nesting habitat; possible breeder	DW
BZ110	BRVP8	05/04/2022	13:15	Buzzard	1	improved agricultural grassland, soaring then travelling	suitable nesting habitat; possible breeder	DW
BZ111	BRVP8	05/04/2022	13:48	Buzzard	1	improved agricultural grassland, gliding in wind	suitable nesting habitat; possible breeder	DW
BZ112	BRVP8	05/04/2022	13:58	Buzzard	1	improved agricultural grassland and hedgerows, soaring then travelling to perch in large tree, tree in same area buzzards dropped down on previous observation	suitable nesting habitat; possible breeder	DW
BZ113	BRVP8	05/04/2022	14:15	Buzzard	2	highly modified/non-native woodland and improved agricultural grassland, soaring together, 1 bird possibly carrying prey or nesting material. both soaring for considerable time	pair; probable breeding	DW
BZ114	BRVP8	05/04/2022	14:16	Buzzard	1	hedgerows, flying between perches	suitable nesting habitat; possible breeder	DW



Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ115	BRVP8	05/04/2022	14:23	Buzzard	1	improved agricultural grassland, hunting, 2nd buzzard present soaring 500m to s	suitable nesting habitat; possible breeder	DW
BZ116	BRVP8	05/04/2022	14:24	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	DW
BZ117	BRVP9	05/04/2022	14:55	Buzzard	1	improved agricultural grassland, soaring and gliding in wind	suitable nesting habitat; possible breeder	DW
BZ118	BRVP9	05/04/2022	16:38	Buzzard	1	treelines, flying from perch to perch in large trees	suitable nesting habitat; possible breeder	DW
BZ119	BRVP5	26/04/2022	11:07	Buzzard	1	treelines and improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW
BZ120	BRVP5	26/04/2022	12:14	Buzzard	1	treelines and improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW
BZ121	BRVP1	30/04/2022	15:31	Buzzard	1	mixed broadleaved/conifer woodland and improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ122	BRVP7	05/05/2022	11:18	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	DW
BZ123	BRVP7	05/05/2022	12:11	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland, soaring then travelling	suitable nesting habitat; possible breeder	DW
BZ124	BRVP7	05/05/2022	12:54	Buzzard	1	improved agricultural grassland, soaring then dropped down behind hedgerow	suitable nesting habitat; possible breeder	DW
BZ125	BRVP7	05/05/2022	13:26	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	DW
BZ126	BRVP6	05/05/2022	14:32	Buzzard	1	improved agricultural grassland, soaring then gliding/travelling, 2nd buzzard also present, closer to rvp. recorded separately	suitable nesting habitat; possible breeder	DW
BZ127	BRVP6	05/05/2022	14:36	Buzzard	1	improved agricultural grassland, highly modified/non-native woodland and scrub, soaring then one or two short display dives before dropping into trees	courtship and display; probable breeding	DW
BZ128	BRVP6	05/05/2022	15:28	Buzzard	1	improved agricultural grassland and hedgerows, hunting then dropping down among trees	suitable nesting habitat; possible breeder	DW
BZ129	BRVP9	06/05/2022	16:06	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	DW
BZ130	BRVP9	06/05/2022	16:11	Buzzard	1	improved agricultural grassland, soaring at height	suitable nesting habitat; possible breeder	DW
BZ131	BRVP9	06/05/2022	16:24	Buzzard	1	conifer plantation, soaring high over forestry	suitable nesting habitat; possible breeder	DW
BZ132	BRVP1	19/05/2022	09:46	Buzzard	1	treelines, flying, flew from treeline adjacent to farmyard to treeline opposite	suitable nesting habitat; possible breeder	KW
BZ133	BRVP1	19/05/2022	10:39	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ134	BRVP1	19/05/2022	10:55	Buzzard	1	improved agricultural grassland and mixed broadleaved/conifer woodland, soaring	suitable nesting habitat; possible breeder	KW
BZ135	BRVP1	19/05/2022	10:56	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ136	BRVP5	19/05/2022	13:26	Buzzard	1	highly modified/non-native woodland, flying, east over ash plantation, lost view of bird	suitable nesting habitat; possible breeder	KW
BZ137	BRVP6	25/05/2022	15:56	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW
BZ138	BRVP7	30/05/2022	16:01	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW
BZ139	BRVP7	30/05/2022	16:02	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW
BZ140	BRVP7	30/05/2022	16:04	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW
BZ141	BRVP7	30/05/2022	16:04	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW
BZ142	BRVP10	21/06/2022	14:00	Buzzard	1	improved agricultural grassland, flying, landed + perched on telegraph pole	suitable nesting habitat; possible breeder	KW
BZ143	BRVP10	21/06/2022	15:58	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ144	BRVP5	21/06/2022	17:56	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ145	BRVP6	22/06/2022	16:21	Buzzard	1	treelines and improved agricultural grassland, hunting, above treeline then flew north	suitable nesting habitat; possible breeder	KW
BZ146	BRVP1	22/06/2022	17:26	Buzzard	1	improved agricultural grassland, hunting, hovering, dropped behind treeline	suitable nesting habitat; possible breeder	KW
BZ147	BRVP1	22/06/2022	17:38	Buzzard	1	improved agricultural grassland and treelines, flying, into treeline	suitable nesting habitat; possible breeder	KW
BZ148	BRVP1	22/06/2022	17:48	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW
BZ149	BRVP1	22/06/2022	17:55	Buzzard	1	improved agricultural grassland, hunting, dived from 350m into valley	suitable nesting habitat; possible breeder	KW
BZ150	BRVP1	22/06/2022	18:18	Buzzard	1	improved agricultural grassland, hunting, circling descent below treeline/hill	suitable nesting habitat; possible breeder	KW
BZ151	BRVP7	23/06/2022	14:29	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ152	BRVP7	23/06/2022	14:46	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ153	BRVP7	23/06/2022	15:01	Buzzard	1	improved agricultural grassland, soaring, circled briefly, flew north	suitable nesting habitat; possible breeder	KW



Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ154	BRVP7	23/06/2022	16:01	Buzzard	1	improved agricultural grassland, soaring, circled briefly , flew north	suitable nesting habitat; possible breeder	KW
BZ155	BRVP9	14/07/2022	11:32	Buzzard	1	improved agricultural grassland, soaring / travelling	suitable nesting habitat; possible breeder	CB
BZ156	BRVP9	14/07/2022	11:56	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	CB
BZ157	BRVP9	14/07/2022	12:56	Buzzard	3	improved agricultural grassland, soaring / calling, all 3 birds seemed to disperse in different directions	pair; probable breeding	CB
BZ158	BRVP9	14/07/2022	14:02	Buzzard	1	improved agricultural grassland and hedgerows, soaring / travelling	suitable nesting habitat; possible breeder	CB
BZ159	BRVP9	14/07/2022	14:12	Buzzard	1	improved agricultural grassland, hunting - soaring / hovering / mobbed by 2 hooded crows	suitable nesting habitat; possible breeder	CB
BZ160	BRVP9	14/07/2022	14:13	Buzzard	2	improved agricultural grassland, vocal circling soaring display	pair; probable breeding	CB
BZ161	BRVP9	14/07/2022	14:22	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	CB
BZ162	BRVP1	14/07/2022	15:04	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	CB
BZ163	BRVP1	14/07/2022	15:17	Buzzard	1	hedgerows, semi-natural woodland and improved agricultural grassland, travelled to perch in hedgerow adjacent to woodland edge	probable nest site; probable breeding	CB
BZ164	BRVP1	14/07/2022	15:34	Buzzard	1	improved agricultural grassland, arable crops and semi-natural woodland, soaring	suitable nesting habitat; possible breeder	CB
BZ165	BRVP1	14/07/2022	16:40	Buzzard	1	semi-natural woodland and improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	CB
BZ166	BRVP1	14/07/2022	16:58	Buzzard	2	semi-natural woodland, soaring	pair; probable breeding	CB
BZ167	BRVP8	20/07/2022	12:01	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	CB
BZ168	BRVP8	20/07/2022	12:23	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	CB
BZ169	BRVP8	20/07/2022	12:43	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	CB
BZ170	BRVP8	20/07/2022	13:36	Buzzard	1	improved agricultural grassland and hedgerows, hunting	suitable nesting habitat; possible breeder	CB
BZ171	BRVP5	20/07/2022	16:54	Buzzard	1	improved agricultural grassland, soaring / travelling	suitable nesting habitat; possible breeder	CB
BZ172	BRVP6	22/07/2022	11:54	Buzzard	1	improved agricultural grassland, soaring and calling	singing male; possible breeder	CB
BZ173	BRVP6	22/07/2022	12:04	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	CB

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ174	BRVP6	22/07/2022	13:22	Buzzard	3	improved agricultural grassland, pair performing circling soaring display, briefly joined by third bird	courtsing and display; probable breeding	CB
BZ175	BRVP6	22/07/2022	13:49	Buzzard	1	improved agricultural grassland and hedgerows, soaring, travelling to perch in hedgerow	suitable nesting habitat; possible breeder	CB
BZ176	BRVP7	22/07/2022	14:51	Buzzard	1	improved agricultural grassland, soaring, travelling	suitable nesting habitat; possible breeder	CB
BZ177	BRVP7	22/07/2022	14:59	Buzzard	1	improved agricultural grassland and hedgerows, soaring and calling overhead, travelling down along hedgerow	singing male; possible breeder	CB
BZ178	BRVP7	22/07/2022	15:04	Buzzard	1	improved agricultural grassland and hedgerows, juvenile perched on electricity pole for ~ 1 hour	flyover; non-breeding	CB
BZ179	BRVP7	22/07/2022	15:19	Buzzard	1	improved agricultural grassland and hedgerows, travelling and calling, perched in ash tree in hedgerow	singing male; possible breeder	CB
BZ180	BRVP7	22/07/2022	15:20	Buzzard	1	improved agricultural grassland, soaring and calling	singing male; possible breeder	CB
BZ181	BRVP7	22/07/2022	15:45	Buzzard	4	improved agricultural grassland and hedgerows, 4 buzzards attracted to field being cut for bales, pair performing circling soaring display after	pair; probable breeding	CB
BZ182	BRVP7	22/07/2022	15:56	Buzzard	1	improved agricultural grassland and hedgerows, travelling, soaring and calling, landed in ash tree	singing male; possible breeder	CB
BZ183	BRVP7	22/07/2022	16:07	Buzzard	1	improved agricultural grassland, travelling	flyover; non-breeding	CB

Table 7 - 4 - 8 - 4 Buzzard Winter Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ001	03/02/2022	15:00	Buzzard	2	improved agricultural grassland and highly modified/non-native woodland; soaring (wintering)	DW
BZ002	03/02/2022	16:00	Buzzard	1	improved agricultural grassland; soaring (wintering)	DW
BZ003	24/10/2022	14:01	Buzzard	1	hedgerows; flushed (wintering)	KW
BZ004	08/12/2022	10:13	Buzzard	1	treelines and conifer plantation; flushed (wintering)	KW
BZ005	08/12/2022	10:39	Buzzard	1	improved agricultural grassland; perched (wintering)	KW
BZ006	08/12/2022	13:43	Buzzard	1	improved agricultural grassland; perched (wintering)	KW
BZ007	06/01/2023	11:13	Buzzard	1	treelines; flushed (wintering)	KW
BZ008	06/01/2023	11:17	Buzzard	1	treelines; flushed (wintering)	KW
BZ009	06/01/2023	11:35	Buzzard	1	improved agricultural grassland; flying (wintering)	KW
BZ010	06/01/2023	11:47	Buzzard	1	improved agricultural grassland; flying (wintering)	KW
BZ011	06/01/2023	13:27	Buzzard	1	treelines; flushed (wintering)	KW
BZ012	15/03/2023	10:48	Buzzard	1	hedgerows and improved agricultural grassland; flying (wintering)	KW



Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ013	15/03/2023	13:08	Buzzard	1	hedgerows; flushed (wintering)	KW
BZ014	15/03/2023	15:19	Buzzard	1	hedgerows; flushed (wintering)	KW

Table 7 - 4 - 8 - 5 Buzzard Incidental Survey Data

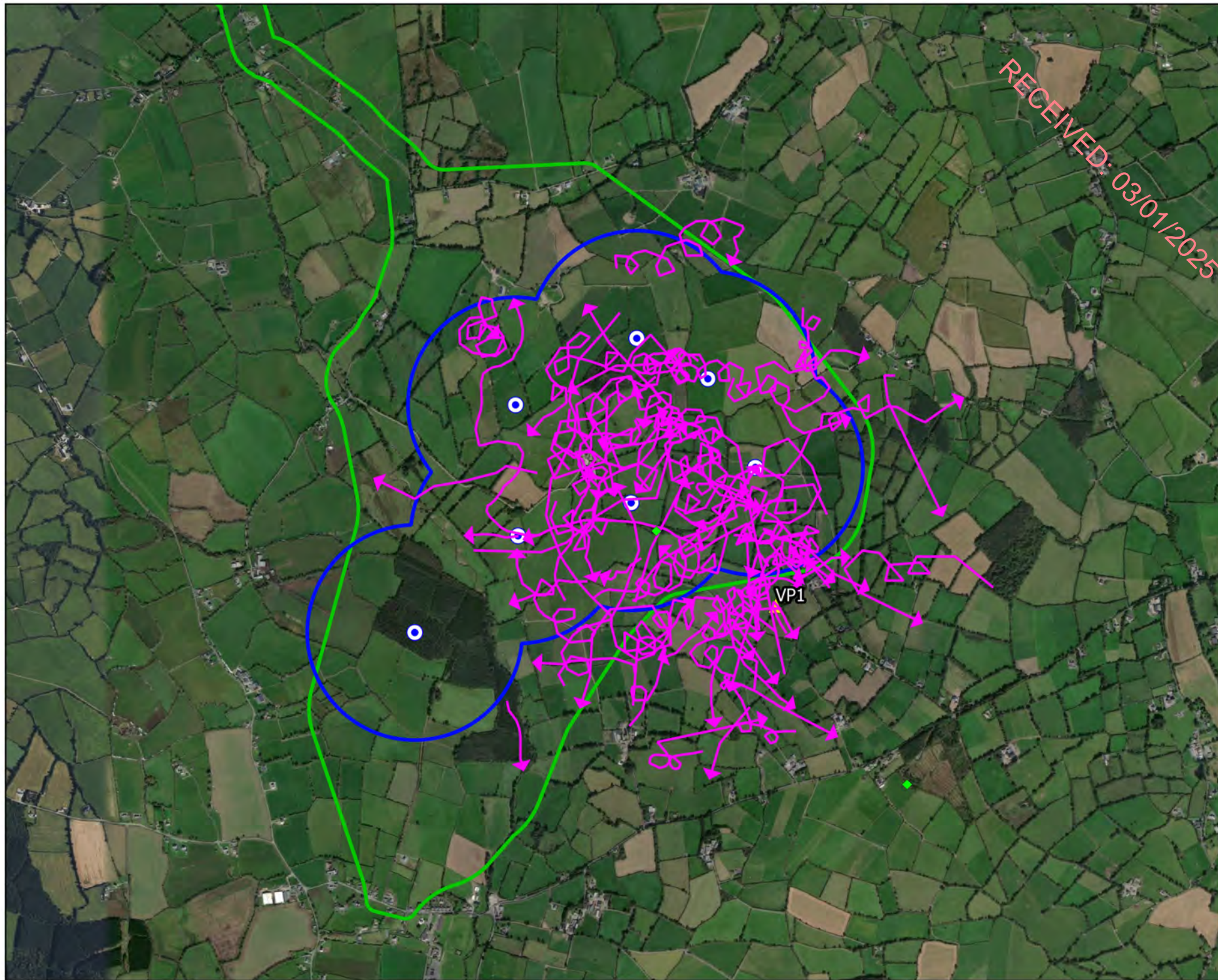
Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ001	Breeding Kingfisher Survey; Knockeenglass	24/04/2021	06:00	Buzzard	2	improved agricultural grassland and treelines; pair soaring	SP
BZ002	Breeding Kingfisher Survey; Oldtown River	24/04/2021	08:24	Buzzard	1	treelines; flying through trees	SP
BZ003	Breeding Kingfisher Survey; Oldtown River	24/04/2021	13:50	Buzzard	1	linear woodland/scrub and improved agricultural grassland; flying low, calling	SP
BZ004	Breeding Kingfisher Survey; Oldtown River	20/05/2021	13:55	Buzzard	1	mixed broadleaved woodland and improved agricultural grassland; adult flying, some tail feathers missing.	LH
BZ005	Breeding Woodcock Survey; Oldtown	20/05/2021	20:50	Buzzard	1	hedgerows, improved agricultural grassland and mixed broadleaved woodland; adult flushes from tree- possibly perching, although nest present looks small. calling in flight., eventually returned to perch on same tree. wk transect 1	LH
BZ006	Breeding Woodcock Survey; Oldtown	21/05/2021	21:43	Buzzard	1	improved agricultural grassland and treelines; adult flew directly towards tree and perched, wk transect 2	LH
BZ007	Breeding Woodcock Survey; Oldtown	21/05/2021	21:53	Buzzard	1	treelines, improved agricultural grassland and hedgerows; same bird flew off from perch and flew out of site, wk transect 2	LH
BZ008	Breeding Woodcock Survey; WKT1	04/06/2021	21:49	Buzzard	2	hedgerows; calling, bz pair perched next to each other in sycamore type tree continuously calling (both birds) for over an hour until departure at 10.56	KW
BZ009	Breeding Woodcock Survey; WKT2	08/06/2021	21:44	Buzzard	1	improved agricultural grassland and conifer plantation; flying, flew over plantation 20m	KW
BZ010	Waterbird Distribution Survey; Boolyshea	17/08/2021	11:32	Buzzard	1	improved agricultural grassland and hedgerows; flying circling.	PW
BZ011	Waterbird Distribution Survey; Boolyshea	17/08/2021	12:01	Buzzard	1	improved agricultural grassland, hedgerows and treelines; calling and flying., juvenile calling.	PW
BZ012	Waterbird Distribution Survey; Kilbraghan	17/08/2021	15:32	Buzzard	1	improved agricultural grassland and hedgerows; flying low.	PW
BZ013	Waterbird Distribution Survey; Timmakilly	17/08/2021	16:23	Buzzard	1	improved agricultural grassland and hedgerows; soaring.	PW
BZ014	Waterbird Distribution Survey; Kilmanagh	17/08/2021	17:03	Buzzard	1	hedgerows and improved agricultural grassland; perched on telegraph wires.	PW
BZ015	Waterbird Distribution Survey; Ballycannon	30/08/2021	15:50	Buzzard	1	improved agricultural grassland and treelines; flying low and calling, before circling.	PW
BZ016	Waterbird Distribution Survey; Courtstown	08/09/2021	10:04	Buzzard	1	improved agricultural grassland, arable crops and hedgerows; circling and gliding back and forth over this area., wl2	PW

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ017	Waterbird Distribution Survey; Killeen	08/09/2021	14:26	Buzzard	1	improved agricultural grassland and hedgerows; gliding soaring.	PW
BZ018	Waterbird Distribution Survey; Rahelty	29/09/2021	14:29	Buzzard	1	improved agricultural grassland, hedgerows and treelines; circling soaring.	PW
BZ019	Waterbird Distribution Survey; Tullaroan	29/09/2021	15:11	Buzzard	1	hedgerows, arable crops and improved agricultural grassland; perched.	PW
BZ020	Waterbird Distribution Survey; Huntstown	29/09/2021	15:47	Buzzard	1	hedgerows and improved agricultural grassland; dropped off perch and flew across road.	PW
BZ021	Waterbird Distribution Survey; Courtstown	29/09/2021	17:14	Buzzard	2	arable crops, improved agricultural grassland and hedgerows; feeding on recently ploughed field.	PW
BZ022	Vantage Point Survey; VP2	02/11/2021	10:21	Buzzard	1	improved agricultural grassland and treelines; calling	KS
BZ023	Waterbird Distribution Survey; Monablanchameen	20/12/2021	10:34	Buzzard	1	improved agricultural grassland and conifer plantation; perched to flying	JM
BZ024	Waterbird Distribution Survey; Ballykeefe	20/12/2021	13:07	Buzzard	1	improved agricultural grassland; perched	JM
BZ025	Waterbird Distribution Survey; Gorteenen	04/02/2022	14:45	Buzzard	1	mixed broadleaved/conifer woodland and improved agricultural grassland; flying	JM
BZ026	Waterbird Distribution Survey; Ballykeefe hill	11/03/2022	12:04	Buzzard	1	improved agricultural grassland and mixed broadleaved woodland; circling field	JM
BZ027	Waterbird Distribution Survey; Gortnagap	11/03/2022	13:38	Buzzard	2	improved agricultural grassland and conifer plantation; flying, circling	JM
BZ028	Waterbird Distribution Survey; King's River Callan	25/03/2022	10:54	Buzzard	1	improved agricultural grassland and eroding/upland rivers; travelling	JM
BZ029	Waterbird Distribution Survey; Coolnabrone	25/03/2022	12:34	Buzzard	1	improved agricultural grassland; travelling, circling	JM
BZ030	Waterbird Distribution Survey; Killeen	25/03/2022	13:35	Buzzard	1	improved agricultural grassland, hedgerows and treelines; travelling, calling	JM
BZ031	Breeding Kingfisher Survey; River	20/04/2022	14:37	Buzzard	1	improved agricultural grassland and hedgerows; gliding low	DW
BZ032	Breeding Woodcock Survey; WKT3	18/05/2022	20:33	Buzzard	1	mixed broadleaved/conifer woodland; flushed from ground	CB
BZ033	Breeding Kingfisher Survey; Forestry	24/05/2022	14:33	Buzzard	1	highly modified/non-native woodland; soaring over forestry	DW
BZ034	Waterbird Distribution Survey; Flew over bridge	04/04/2023	11:21	Buzzard			NJB
BZ035	Waterbird Distribution Survey; 5km Survey Radius	04/04/2023	11:58	Buzzard	1	semi-natural grassland; flying	NJB
BZ036	Waterbird Distribution Survey; 5km Survey Radius	04/04/2023	14:21	Buzzard	3	conifer plantation; in suitable nesting habitat	NJB
BZ037	Waterbird Distribution Survey; 5km Survey Radius	04/04/2023	15:40	Buzzard	1	conifer plantation; in suitable nesting habitat	NJB



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ038	Waterbird Distribution Survey; 5km Survey Radius	11/04/2023	12:37	Buzzard	1	semi-natural grassland; in suitable nesting habitat	NJB
BZ039	Waterbird Distribution Survey; 5km Survey Radius	11/04/2023	13:30	Buzzard	1	arable crops; in suitable nesting habitat	NJB
BZ040	Waterbird Distribution Survey; 5km Survey Radius	11/04/2023	14:40	Buzzard	1	semi-natural grassland; in suitable nesting habitat	NJB

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# Map Legend

- EIAR Site Boundary
- ⊙ Turbine Locations
- 500m Radius of Turbines
- ▲ Vantage Point Locations
- Flight Observation
- ◆ Non-flight Observation



Drawing Title  
**Vantage Point Survey  
Buzzard Observations**

Project Title  
**Briskalagh Renewable Energy  
Development**

Drawn By  
**D. Woods**

Checked By  
**P. Cregg**

Project No.  
**230502**

Drawing No.  
**Fig. 7.4.8.1**

Scale  
**1:23,000**

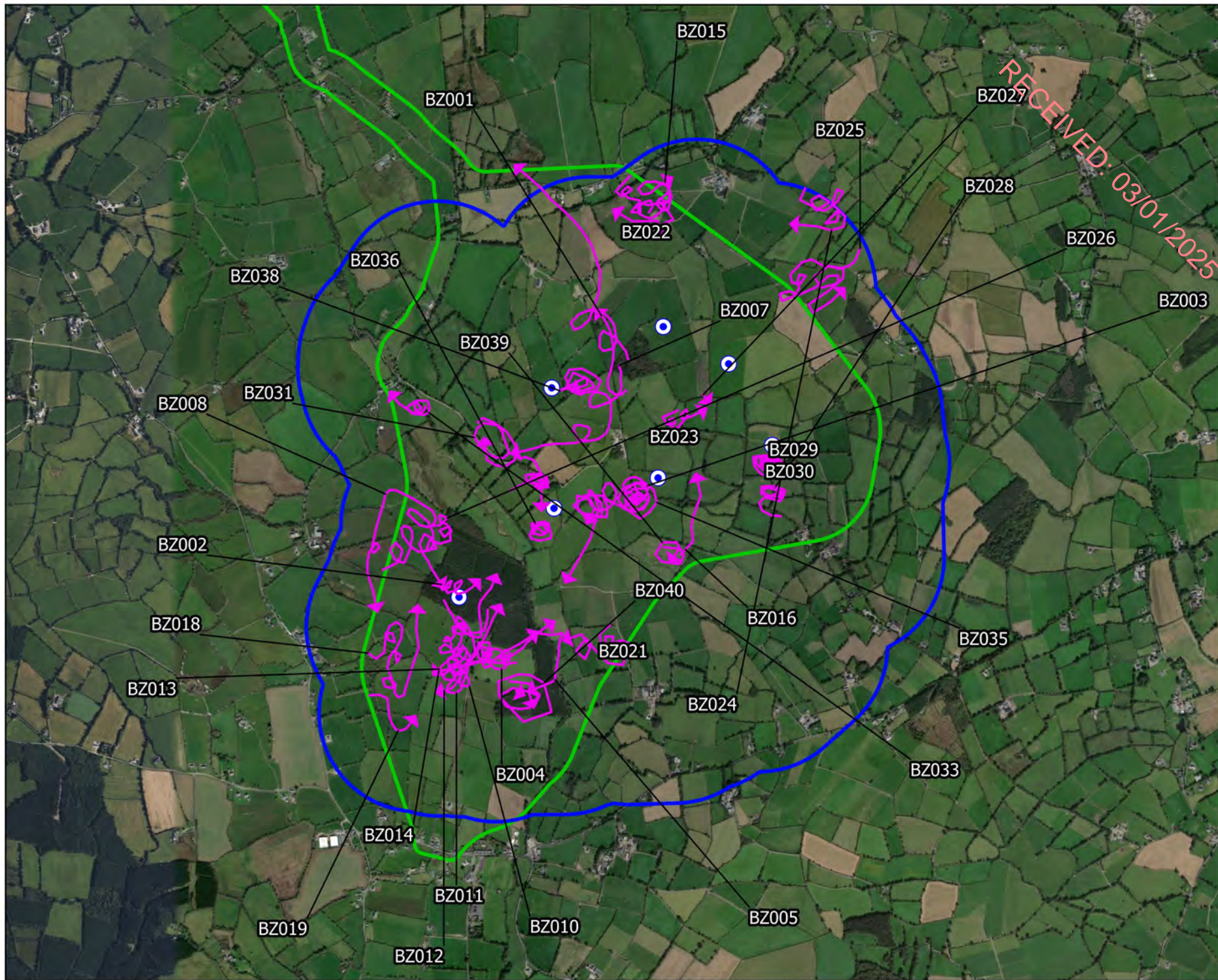
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**05.07.2024**



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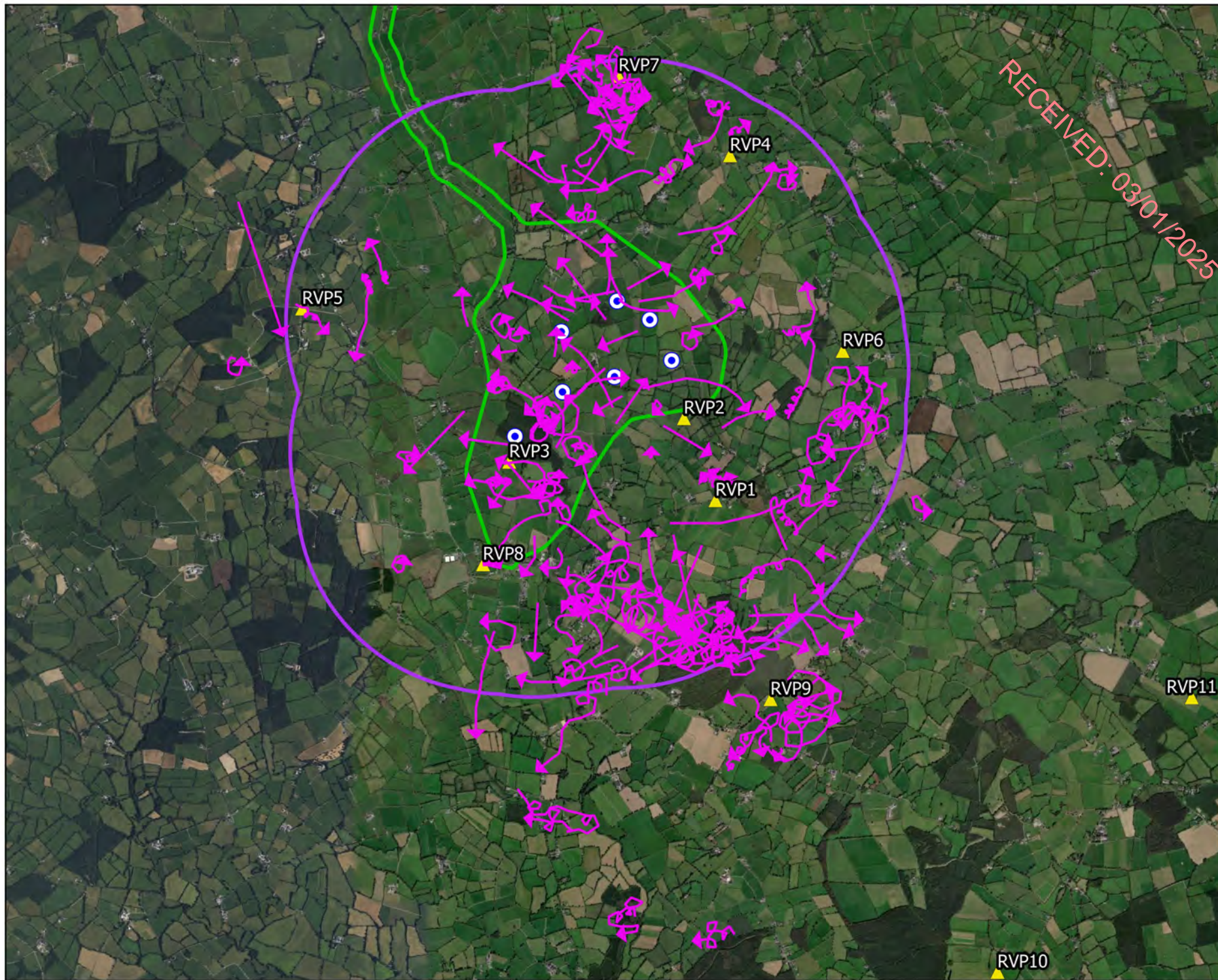


- Map Legend
- EIAR Site Boundary
  - Turbine Locations
  - Survey Area
  - Observation



Drawing Title Breeding Walkover Survey Buzzard Observations	
Project Title Briskalagh Renewable Energy Development	
Drawn By D. Woods	Checked By P. Cregg
Project No. 230502	Drawing No. Fig. 7.4.8.2
Scale 1:25,000	Date 05.07.2024
 MKO Planning and Environmental Consultants Tuam Road, Galway Ireland, H91 VV89 +353 (0) 91 735611 email: info@mkofireland.ie Website: www.mkofireland.ie	





Map Legend

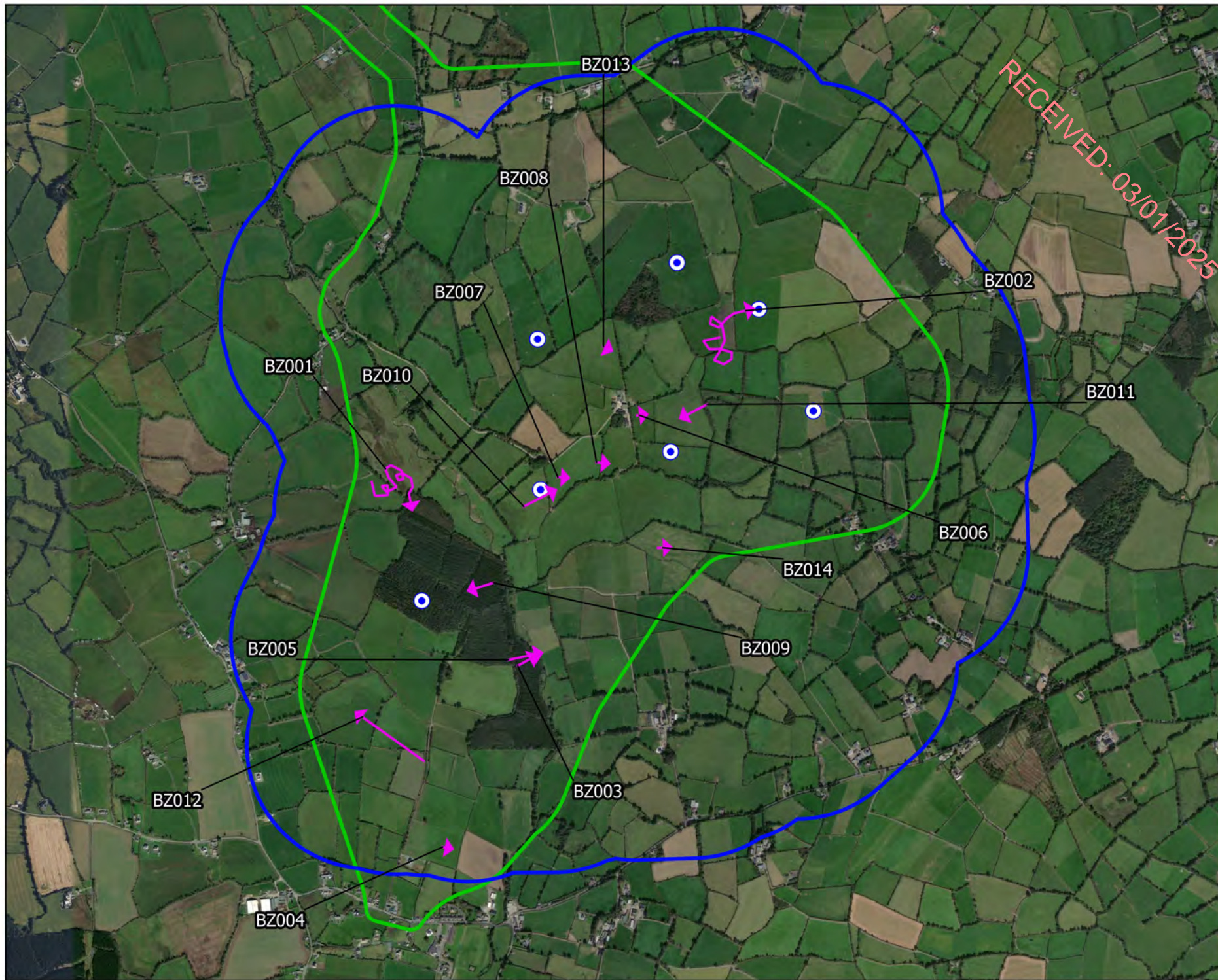
- EIAR Site Boundary
- Turbine Locations
- 2km Survey Radius
- RVP Locations
- Observation



Drawing Title	
Breeding Raptor Survey Buzzard Observations	
Project Title	
Briskalagh Renewable Energy Development	
Drawn By	Checked By
D. Woods	P. Cregg
Project No.	Drawing No.
230502	Fig. 7.4.8.3
Scale	Date
1:50,000	05.07.2024
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### Map Legend

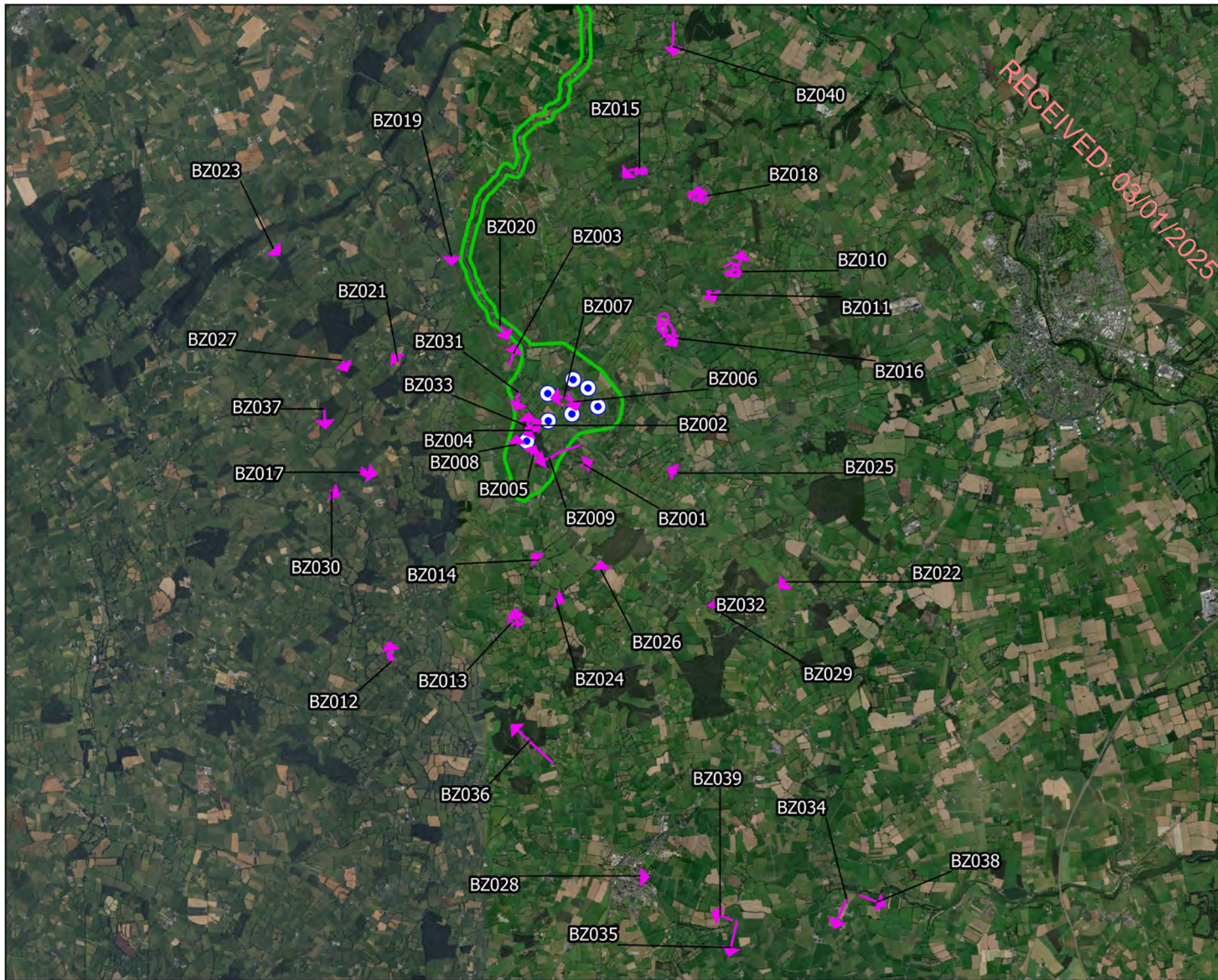
- EIAR Site Boundary
- Turbine Locations
- Survey Area
- Observation



Drawing Title	
Winter Walkover Survey Buzzard Observations	
Project Title	
Briskalagh Renewable Energy Development	
Drawn By	Checked By
D. Woods	P. Cregg
Project No.	Drawing No.
230502	Fig. 7.4.8.4
Scale	Date
1:20,000	05.07.2024
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**Map Legend**

- EIAR Site Boundary
- Turbine Locations
- Observation



Drawing Title  
**Incidental Records  
Buzzard Observations**

Project Title  
**Briskalagh Renewable Energy  
Development**

Drawn By <b>D. Woods</b>	Checked By <b>P. Cregg</b>
Project No. <b>230502</b>	Drawing No. <b>Fig. 7.4.8.5</b>
Scale <b>1:110,000</b>	Date <b>05.07.2024</b>

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9.

## SPARROWHAWK

**Note:** Sensitive data relating to breeding sites has been omitted from this appendix and is provided in Confidential Appendix 7-7.

Table 7 - 4 - 9 - 1 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	28/09/2021	15:04	Sparrowhawk	1	359	0	0	0	287	improved agricultural grassland, hedgerows and mixed broadleaved woodland; circling soaring hunting at height.	PW
SH002	VP1	23/06/2022	19:13	Sparrowhawk	1	23	0	23	0	0	improved agricultural grassland and oak-ash-hazel woodland; flying	KW
SH003	VP1	15/07/2022	15:56	Sparrowhawk	1	7	7	0	0	0	improved agricultural grassland; hunting, female	KW
SH004	VP1	22/08/2022	08:03	Sparrowhawk	1	48	0	4	44	0	improved agricultural grassland; hunting, adult female	KW
SH005	VP1	22/08/2022	08:07	Sparrowhawk	1	3	3	0	0	0	improved agricultural grassland; hunting, adult female	KW
SH006	VP1	22/08/2022	16:34	Sparrowhawk	1	7	11	0	0	0	improved agricultural grassland; hunting, ad female	KW
SH007	VP1	22/08/2022	17:03	Sparrowhawk	1	12	12	0	0	0	improved agricultural grassland and hedgerows; hunting, ad. female	KW
SH008	VP1	28/11/2022	11:36	Sparrowhawk	1	47	22	25	0	0	improved agricultural grassland; hunting	KW
SH009	VP1	28/02/2023	12:34	Sparrowhawk	1	17	0	17	0	0	improved agricultural grassland; hunting	KW

Table 7 - 4 - 9 - 2 Sparrowhawk Breeding Raptor Survey Data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
SH001	BRVP3	25/04/2021	15:58	Sparrowhawk	1	improved agricultural grassland, hedgerows and treelines, soaring/hunting, kiomanagh female	flyover; non-breeding	SP
SH002	BRVP3	25/04/2021	16:15	Sparrowhawk	1	improved agricultural grassland, treelines and mixed conifer woodland, hunting flight, kilmanagh/oldtown	flyover; non-breeding	SP
SH003	BRVP3	04/05/2021	15:09	Sparrowhawk	1	improved agricultural grassland, hedgerows and treelines, hunting flight, ballycuhhidy	flyover; non-breeding	SP
SH004	BRVP3	04/05/2021	16:24	Sparrowhawk	1	improved agricultural grassland, hedgerows and treelines, flying south being mobbed, ballycuddiy	flyover; non-breeding	SP
SH005	BRVP3	18/05/2021	12:14	Sparrowhawk	1	mixed broadleaved woodland, mixed broadleaved/conifer woodland and improved agricultural grassland, display flight over woodland, coolnapisha	courtship and display; probable breeding	SP

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
SH006	BRVP1	27/05/2021	08:46	Sparrowhawk	1	hedgerows, treelines and mixed broadleaved woodland, male hunting over forest area, doorath to ballykeefe	flyover; non-breeding	SP
SH007	BRVP1	27/05/2021	10:14	Sparrowhawk	1	mixed broadleaved woodland and mixed broadleaved/conifer woodland, mobbed by crows flying into forestry, ballykeefe	flyover; non-breeding	SP
SH008	BRVP2	01/06/2021	09:56	Sparrowhawk	1	improved agricultural grassland, hedgerows and treelines, female hunting, flew to coolnapisha woods, ballycuddihy	flyover; non-breeding	SP
SH009	BRVP5	28/07/2021	11:45	Sparrowhawk	1	conifer plantation and improved agricultural grassland, flew out of forestry near existing wind farm, calling	agitated behaviour; probable breeding	IH
SH010	BRVP8	05/04/2022	13:42	Sparrowhawk	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	DW
SH011	BRVP5	19/05/2022	14:22	Sparrowhawk	1	hedgerows and improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	KW
SH012	BRVP7	22/07/2022	14:50	Sparrowhawk	1	improved agricultural grassland, soaring, carrying prey	adult carrying food/faecal sac; confirmed breeding	CB

Table 7 - 4 - 9 - 3 Sparrowhawk Winter Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
SH001	06/01/2023	09:41	Sparrowhawk	1	improved agricultural grassland; hunting, female (wintering)	KW
SH002	06/01/2023	12:06	Sparrowhawk	1	improved agricultural grassland; hunting, female (wintering)	KW

Table 7 - 4 - 9 - 4 Sparrowhawk Incidental Survey Data

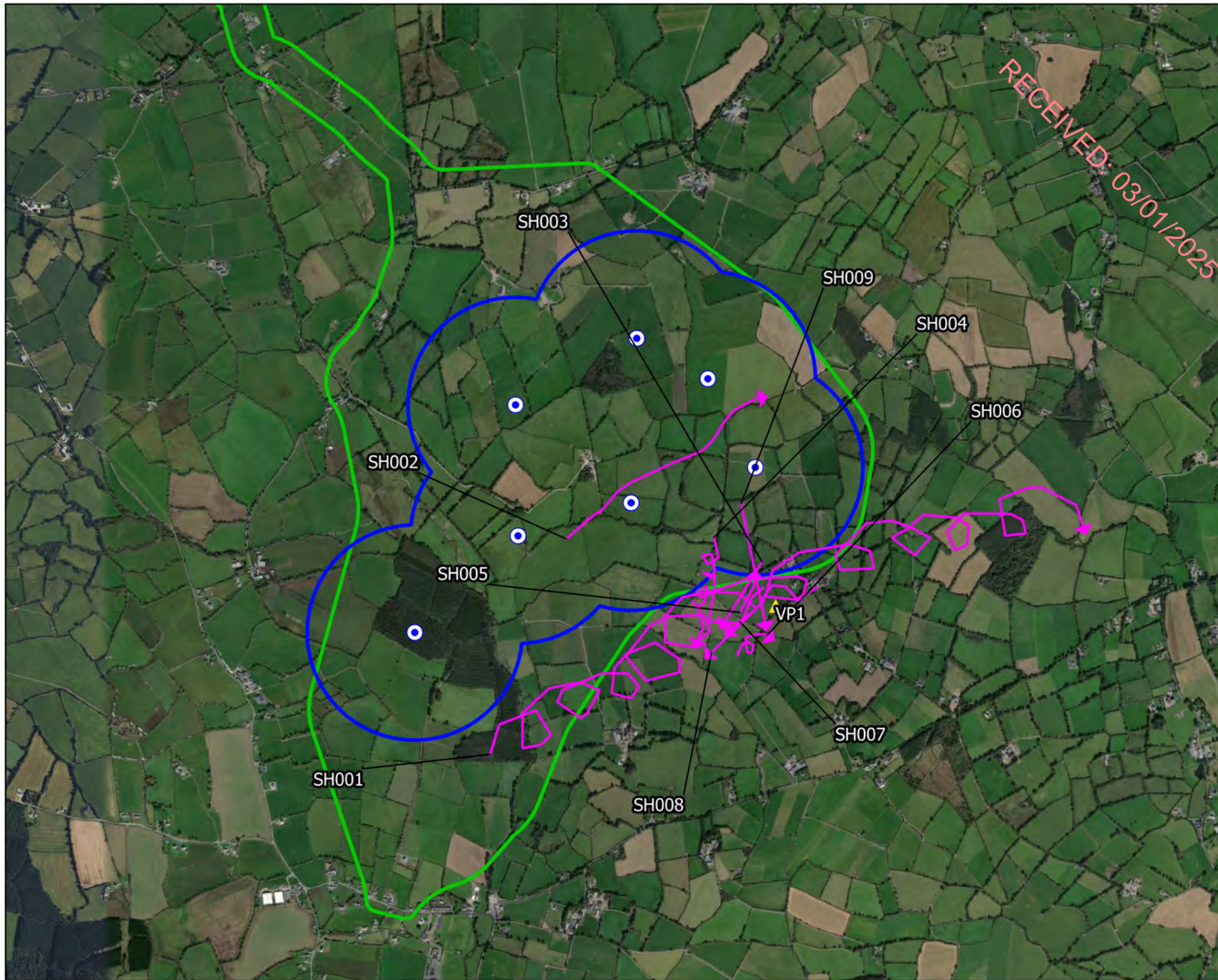
Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SH001	Breeding Raptor Survey; Kilmanagh	18/05/2021	14:45	Sparrowhawk	1	improved agricultural grassland, hedgerows and treelines; male hunting	SP
SH002	Waterbird Distribution Survey; Lates	08/09/2021	13:44	Sparrowhawk	1	improved agricultural grassland, hedgerows and treelines; flying hunting, flew along hedge by field and into treeline out of view.	PW
SH003	Waterbird Distribution Survey; Ballinamara Cross Roads	29/09/2021	14:22	Sparrowhawk	1	improved agricultural grassland, hedgerows and treelines; circling soaring hunting before gliding and flying back and descending in shallow dive, male. in view for over 5 mins.	PW
SH004	Waterbird Distribution Survey; 5km Survey Radius	15/10/2021	13:56	Sparrowhawk	1	improved agricultural grassland; flushed, female	DW
SH005	Waterbird Distribution Survey; Gortnascullogh	11/11/2021	11:31	Sparrowhawk	1	improved agricultural grassland and conifer plantation; travelling	JM
SH006	Waterbird Distribution Survey; Ballyclova	20/12/2021	13:22	Sparrowhawk	1	mixed broadleaved/conifer woodland and improved agricultural grassland; travelling, female	JM
SH007	Waterbird Distribution Survey; Lisnalea	07/01/2022	12:35	Sparrowhawk	1	improved agricultural grassland; flying	DW





Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SH008	Breeding Kingfisher Survey; River	24/05/2022	11:32	Sparrowhawk	1	improved agricultural grassland, highly modified/non-native woodland and watercourses; travelling into woods	DW

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### Map Legend

- EIAR Site Boundary
- Turbine Locations
- 500m Radius of Turbines
- ▲ Vantage Point Locations
- Flight Observation

Drawing Title

Vantage Point Survey  
Sparrowhawk Observations

Project Title

Briskalagh Renewable Energy  
Development

Drawn By	Checked By
D. Woods	P. Cregg
Project No.	Drawing No.
230502	Fig. 7.4.9.1
Scale	Date
1:23,000	05.07.2024

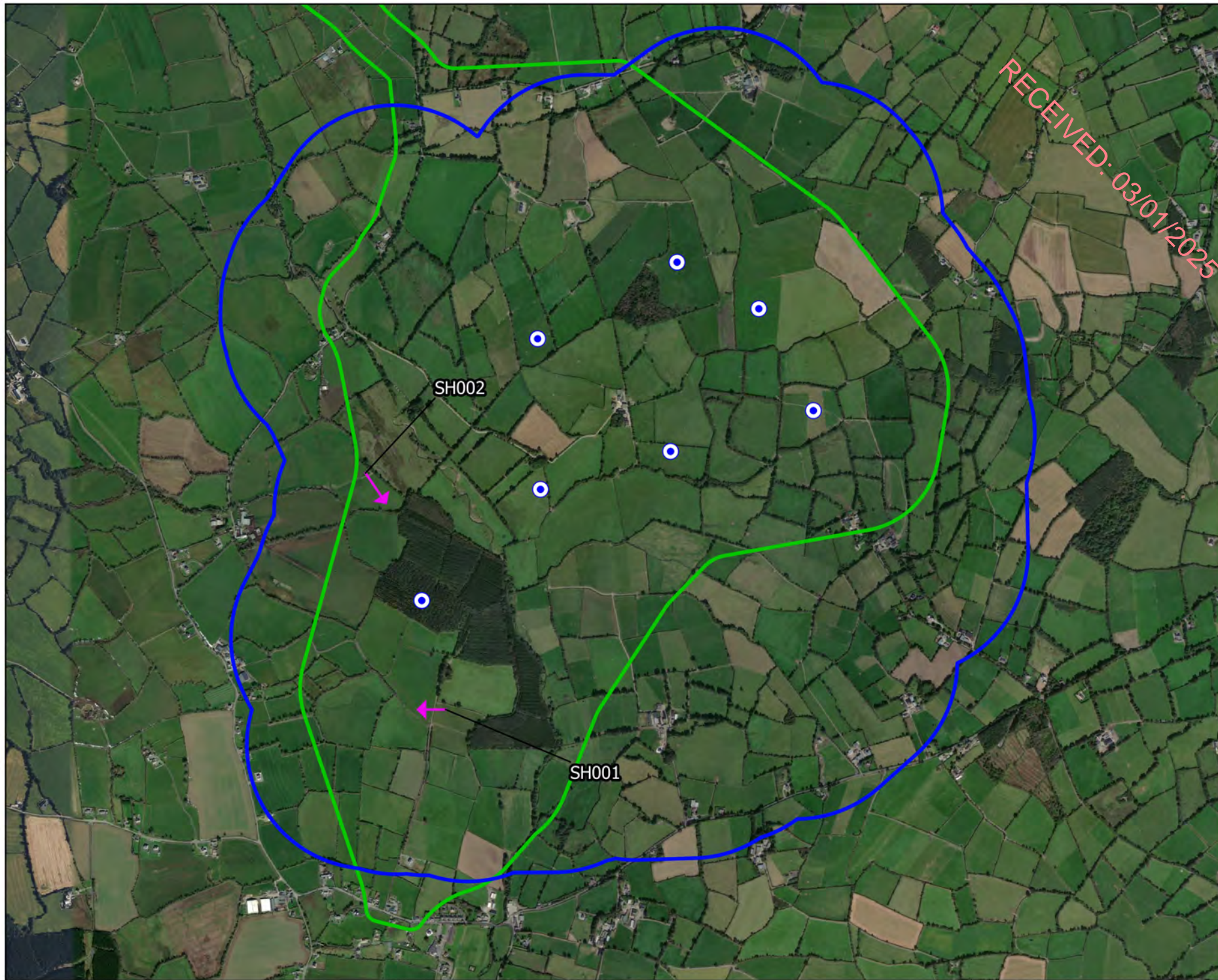
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### Map Legend

- EIAR Site Boundary
- Turbine Locations
- Survey Area
- Observation

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Drawing Title	
Winter Walkover Survey Sparrowhawk Observations	
Project Title	
Briskalagh Renewable Energy Development	
Drawn By	Checked By
D. Woods	P. Cregg
Project No.	Drawing No.
230502	Fig. 7.4.7.3
Scale	Date
1:20,000	05.07.2024

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Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Observation



Drawing Title	
Incidental Records Sparrowhawk Observations	
Project Title	
Briskalagh Renewable Energy Development	
Drawn By	Checked By
D. Woods	P. Cregg
Project No.	Drawing No.
230502	Fig. 7.4.9.4
Scale	Date
1:65,000	05.07.2024
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