



APPENDIX 7-4

SURVEY DATA

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1.

GOLDEN PLOVER

Table 7-4-1 Golden Plover Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
GP001	VP2	13/11/2020	12:06	Golden Plover	26	30	0	0	30	0	improved agricultural grassland; travelling	MP
GP002	VP1	20/11/2020	09:12	Golden Plover	43	51	0	0	51	0	improved agricultural grassland; flying west	MP
GP003	VP1	20/11/2020	09:21	Golden Plover	19	25	0	0	25	0	improved agricultural grassland; flying	MP
GP004	VP1	29/01/2021	10:00	Golden Plover	25	15	0	0	15	0	improved agricultural grassland; travelling w	MP
GP005	VP1	29/01/2021	10:31	Golden Plover	42	15	0	0	15	0	improved agricultural grassland; travelling w	MP
GP006	VP2	10/02/2021	14:47	Golden Plover	60	18	18	0	0	0	improved agricultural grassland; flying e, out of sight possibly landing	MP
GP007	VP2	10/02/2021	15:18	Golden Plover	10	40	40	0	0	0	improved agricultural grassland; circled over grassland before landing. fed for 5min, took off flushed by walkers	MP
GP008	VP2	10/02/2021	15:28	Golden Plover	50	80	40	40	0	0	improved agricultural grassland and mixed broadleaved woodland; circling, on/off sight, probably landing	MP
GP009	VP2	10/02/2021	15:30	Golden Plover	40	15	0	0	15	0	improved agricultural grassland and mixed broadleaved woodland; circling in the distance	MP
GP010	VP2	10/02/2021	15:47	Golden Plover	22	100	0	0	100	0	improved agricultural grassland; travelling	MP
GP011	VP2	07/04/2021	16:28	Golden Plover	26	40	0	0	40	0	grassland; flying	PT
GP012	VP2	07/04/2021	16:29	Golden Plover	19	10	0	0	10	0	grassland; flying	PT
GP013	VP2	07/04/2021	16:29	Golden Plover	7	190	20	15	155	0	grassland and arable crops; circling; 5 dropped down to arable field	PT
GP014	VP2	07/04/2021	16:42	Golden Plover	62	205	0	30	175	0	grassland and arable crops; flying	PT
GP015	VP2	07/04/2021	16:48	Golden Plover	60	55	10	10	35	0	grassland and arable crops; circling, dropped to field, subsequently feeding	PT

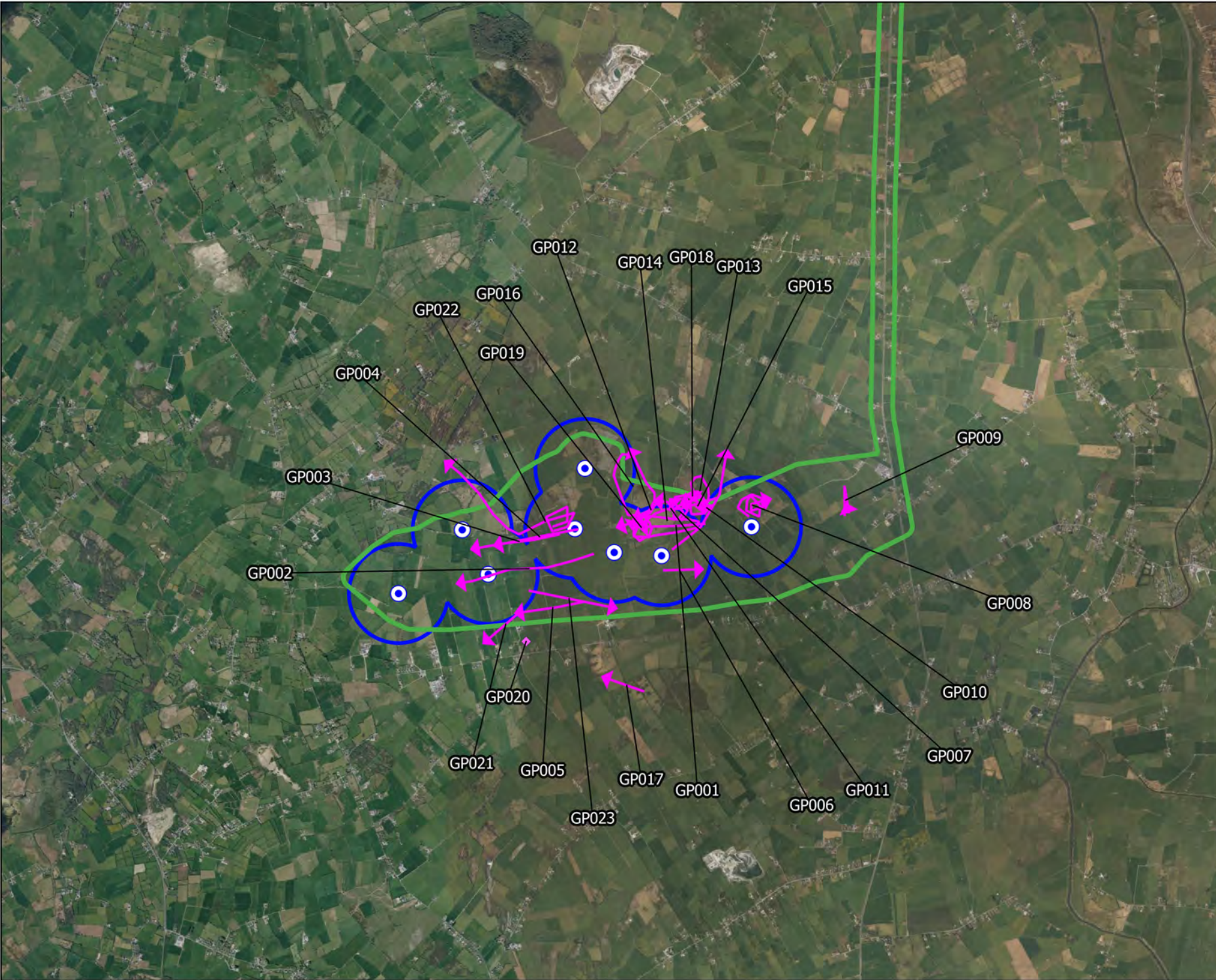
Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
											and roosting in arable field until end of survey, quantity approximate, probably 62 from previous flight	
GP016	VP2	07/04/2021	17:36	Golden Plover	110	90	10	15	65	0	grassland; circling; some departed to N/NW, most dropped low at south end of circuit, out of view, quantity approximate	PT
GP017	VP2	07/04/2021	18:16	Golden Plover	75	50	0	0	0	0	grassland; flying, quantity approximate	PT
GP018	VP2	07/04/2021	19:46	Golden Plover	6	20	10	5	5	0	grassland and arable crops; dropped to field	PT
GP019	VP2	07/04/2021	20:10	Golden Plover	17	75	5	5	65	0	grassland; circling, dropped down out of view	PT
GP020	VP1	19/10/2021	09:42	Golden Plover	1	-	-	-	-	-	improved agricultural grassland; calling	PM
GP021	VP1	14/04/2023	08:00	Golden Plover	27	60	0	0	60	0	improved agricultural grassland; travelling	PM
GP022	VP1	14/04/2023	09:36	Golden Plover	40	257	0	0	257	0	improved agricultural grassland; travelling	PM
GP023	VP1	14/04/2023	11:02	Golden Plover	10	75	0	0	75	0	improved agricultural grassland; travelling, calling in flight	PM

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

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GP001	Lough Hackett	21/10/2020	11:51	Golden Plover	10	lakes and ponds; emerged from rushes, back in	MP
GP002	Bohercull Turlough	18/11/2020	14:00	Golden Plover	14	turloughs; feeding	MP
GP003	Bohercull Turlough	22/01/2021	11:16	Golden Plover	21	turloughs; circling	MP
GP004	Bohercull Turlough	09/02/2021	14:48	Golden Plover	65	turloughs and improved agricultural grassland; feeding	MP
GP005	Turloughnaroyer	28/09/2021	14:43	Golden Plover	12	turloughs; roosting	TR
GP006	Annaghdown	29/10/2021	12:40	Golden Plover	30	turloughs; flying	JK
GP007	Belclare Turlough	02/11/2021	09:24	Golden Plover	40	turloughs; travelling, flew up from turlough; best estimate.	PDC

Table 7-4-3 Golden Plover Incidental Observations

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GP001	Hen Harrier Roost Survey; HHVP3	14/01/2021	16:52	Golden Plover	6	improved agricultural grassland; circling/flying, out of sight flying N	MP
GP002	Hen Harrier Roost Survey; HHVP1	11/10/2021	18:22	Golden Plover	0	dry calcareous and neutral grassland; calls heard, unknown count	JK
GP003	Hen Harrier Roost Survey; HHVP2	14/10/2021	18:12	Golden Plover	14	dry calcareous and neutral grassland; travelling at the potential collision height	JK
GP004	Hen Harrier Roost Survey; HHVP4	28/10/2021	16:56	Golden Plover	7	turloughs; flying	JK
GP005	Hen Harrier Roost Survey; HHVP1	12/11/2021	08:32	Golden Plover	3	improved agricultural grassland; flying and landing in field	JK



Map Legend

- EIA Site Boundary
- Proposed Turbine Locations
- 500m Radius of Turbines
- Flight Observation
- ◆ Non-Flight Observation

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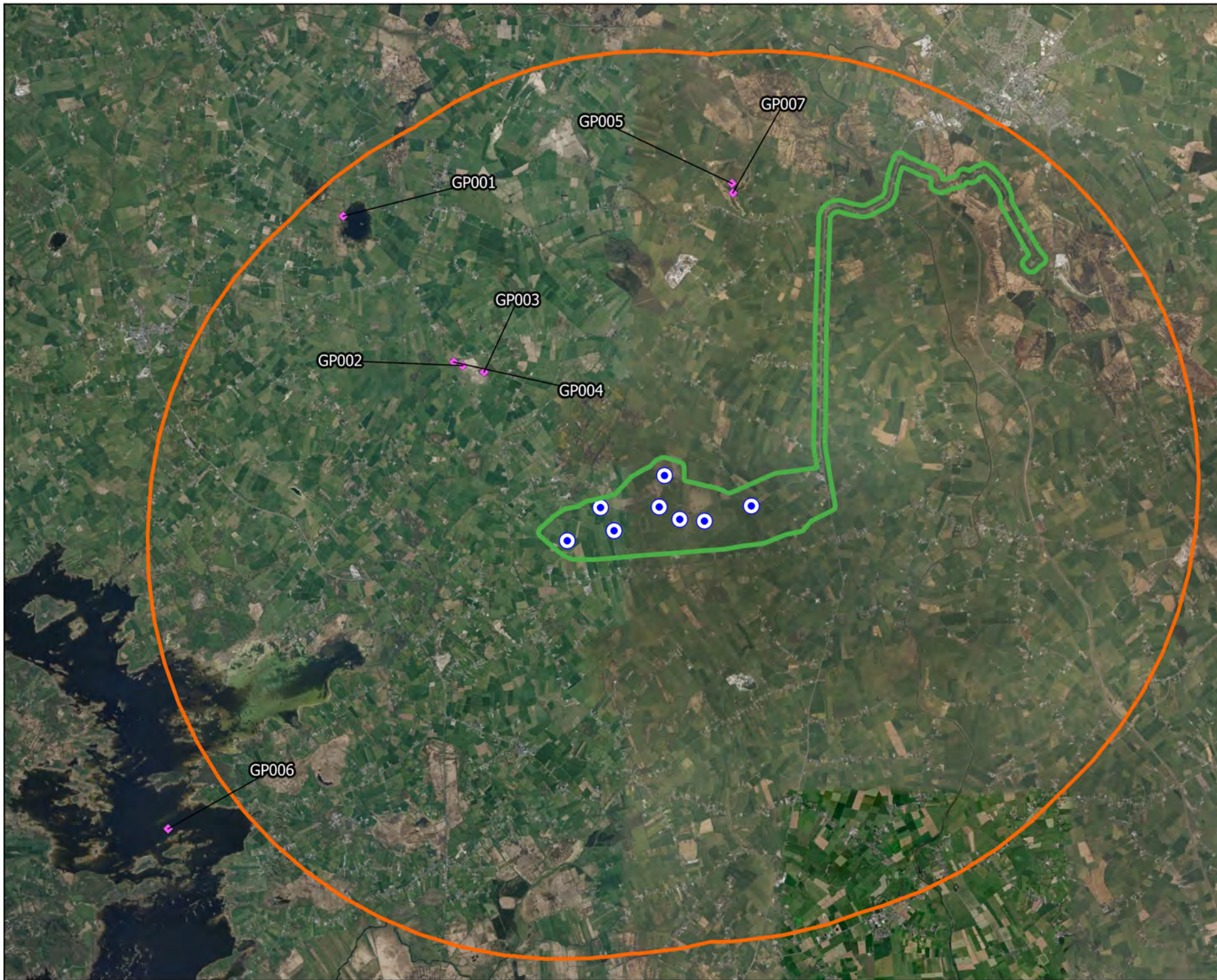


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Map Legend

-  EIA Site Boundary
-  Proposed Turbine Locations
-  8km Survey Area
-  Observation



Drawing Title:

Golden Plover Observations
Waterbird Distribution and Abundance Surveys

Project Title:

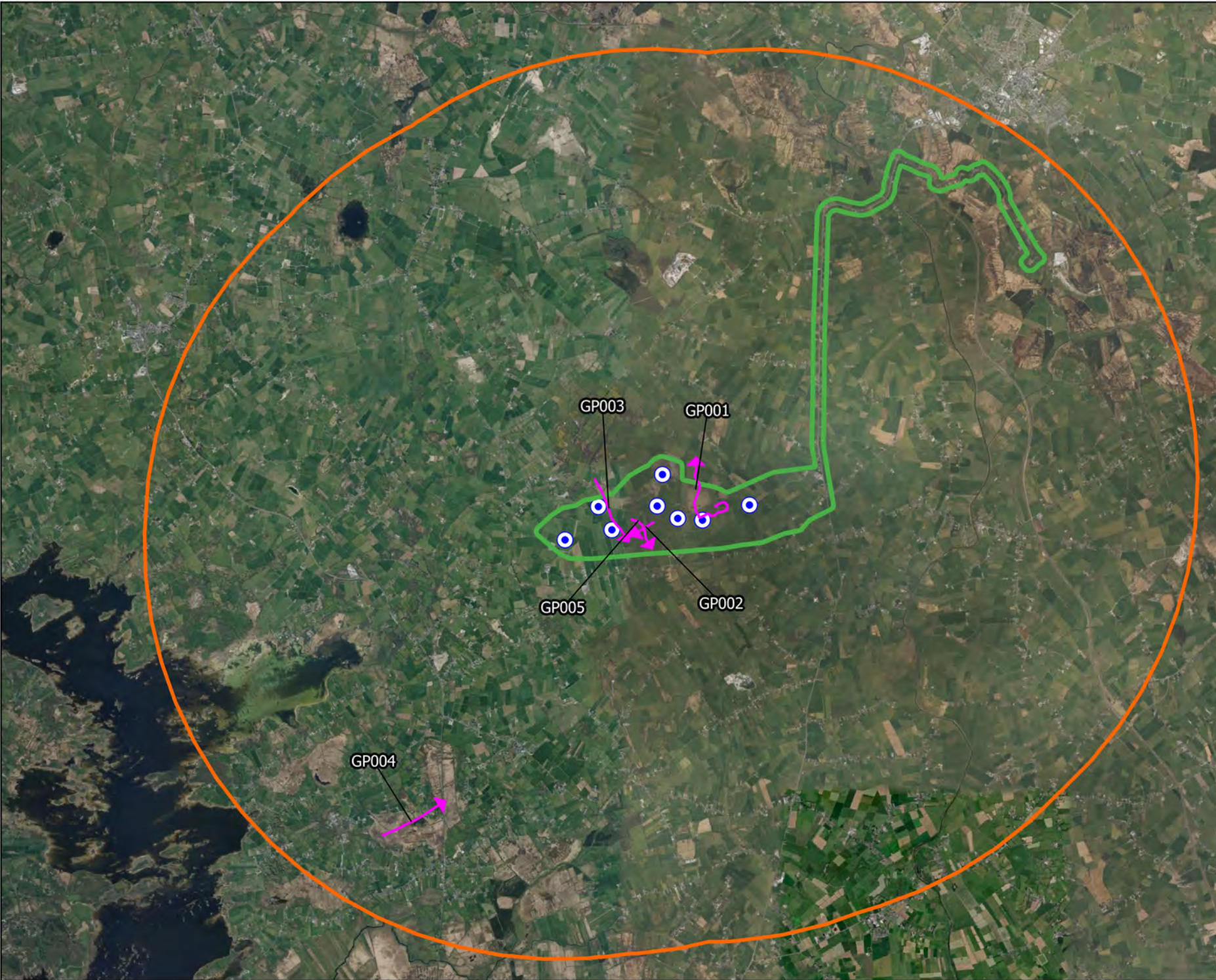
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- ### Map Legend
- EIA Site Boundary
 - Proposed Turbine Locations
 - 8km Survey Area
 - Observation



Drawing Title:
**Golden Plover Observations
 Incidental Observations**

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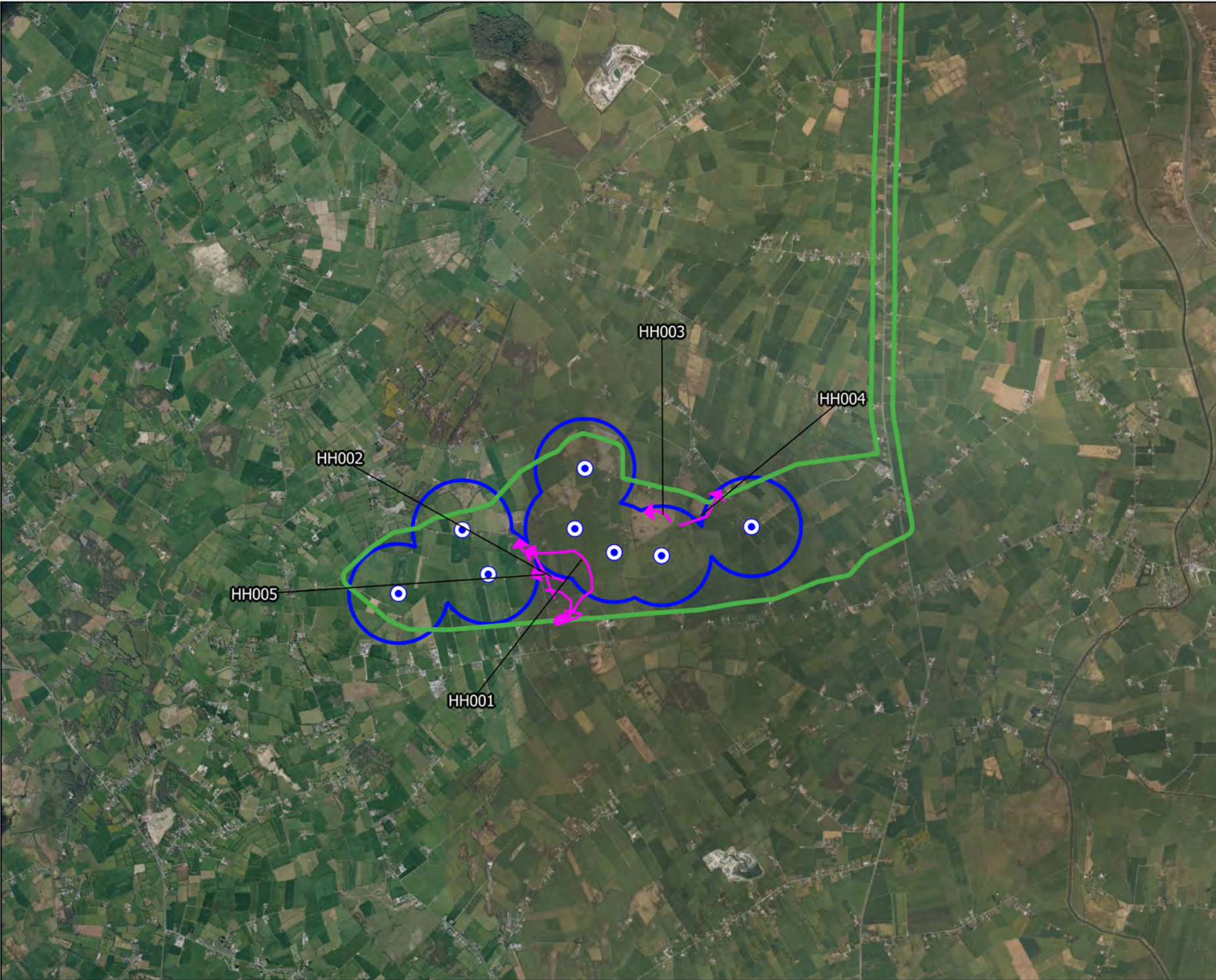
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2.

HEN HARRIER

Table 7-4-4 Hen Harrier Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
HH001	VP1	10/12/2020	11:55	Hen Harrier	1	250	220	30	0	0	improved agricultural grassland, dry calcareous and neutral grassland and wet grassland; hunting low, mobbed by crow for 10s, continued hunting over rough grassland before heading N,NW, ringtail	MP
HH002	VP1	10/12/2020	14:50	Hen Harrier	1	10	10	0	0	0	improved agricultural grassland; hunting, ringtail	MP
HH003	VP2	29/10/2021	10:09	Hen Harrier	1	6	6	0	0	0	wet grassland; travelling; ringtail, glimpse of bird as it crested the hill and dropped back down behind	PM
HH004	VP2	10/02/2022	12:18	Hen Harrier	1	23	23	0	0	0	improved agricultural grassland and dry meadows and grassy verges; ringtail, flew in low and dropped out of view	JF
HH005	VP1	05/09/2023	06:46	Hen Harrier	1	34	34	0	0	0	linear woodland/scrub and improved grassland; travelling, ringtail	LDV



Map Legend

-  EIA Site Boundary
-  Proposed Turbine Locations
-  500m Radius of Turbines
-  Flight Observation

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**Hen Harrier Observations
 Vantage Point Surveys**

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3.

LITTLE EGRET

Table 7-4-5 Little Egret Vantage Point Survey data

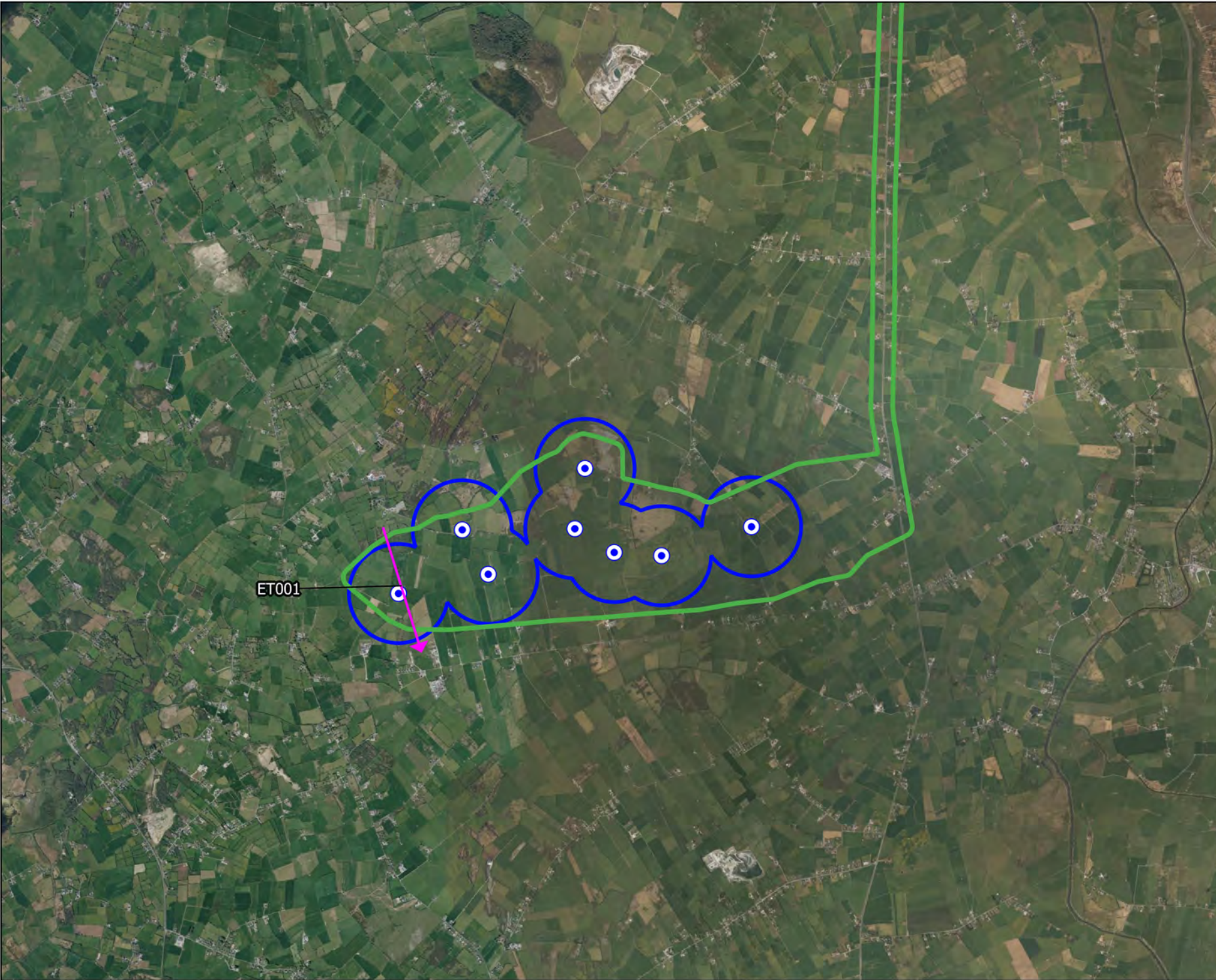
Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
ET001	VP1	28/05/2020	06:21	Little Egret	1	136	0	0	136	0	improved agricultural grassland; travelling south	MP

Table 7-4-6 Little Egret Waterbird Distribution and Abundance Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ET001	Annaghdown	19/08/2020	14:00	Little Egret	2	limestone/marl lakes; terrestrial	JK
ET002	Luimnagh	31/08/2020	15:47	Little Egret	1	limestone/marl lakes; flying	JK
ET003	Annaghdown	18/11/2020	14:35	Little Egret	1	turloughs; fishing	MP
ET004	Lough Afoor	23/02/2021	16:28	Little Egret	1	marsh; flying	MP
ET005	Lough Afoor	15/04/2021	12:19	Little Egret	1	marsh; hunting	MP
ET006	Belclare Turlough	28/05/2021	17:31	Little Egret	1	lakes and ponds; roosting	TR
ET007	Annaghdown Pier	13/08/2021	11:32	Little Egret	1	lakes and ponds; roosting then flew inland	TR
ET008	Lough Hacket	13/08/2021	11:52	Little Egret	1	lakes and ponds and woodland and scrub; roosting	TR
ET009	Belclare Turlough	23/08/2023	11:39	Little Egret	3	turloughs; foraging	LDV
ET010	Belclare Turlough	08/09/2023	09:46	Little Egret	3	turloughs; foraging	LDV
ET011	Belclare Turlough	26/09/2023	11:26	Little Egret	1	turloughs; foraging	LDV
ET012	Annaghdown Pier	26/09/2023	13:09	Little Egret	1	lakes and ponds; foraging	LDV

Table 7-4-7 Little Egret Incidental Observations

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ET001	Hen Harrier Roost Survey; HHVP4	02/12/2020	16:34	Little Egret	1	lakes and ponds and bogs; flying W, NW	MP
ET002	Breeding Raptor Survey; RVP7	18/06/2021	12:19	Little Egret	1	improved agricultural grassland; travelling west	MP



Map Legend

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

ET001



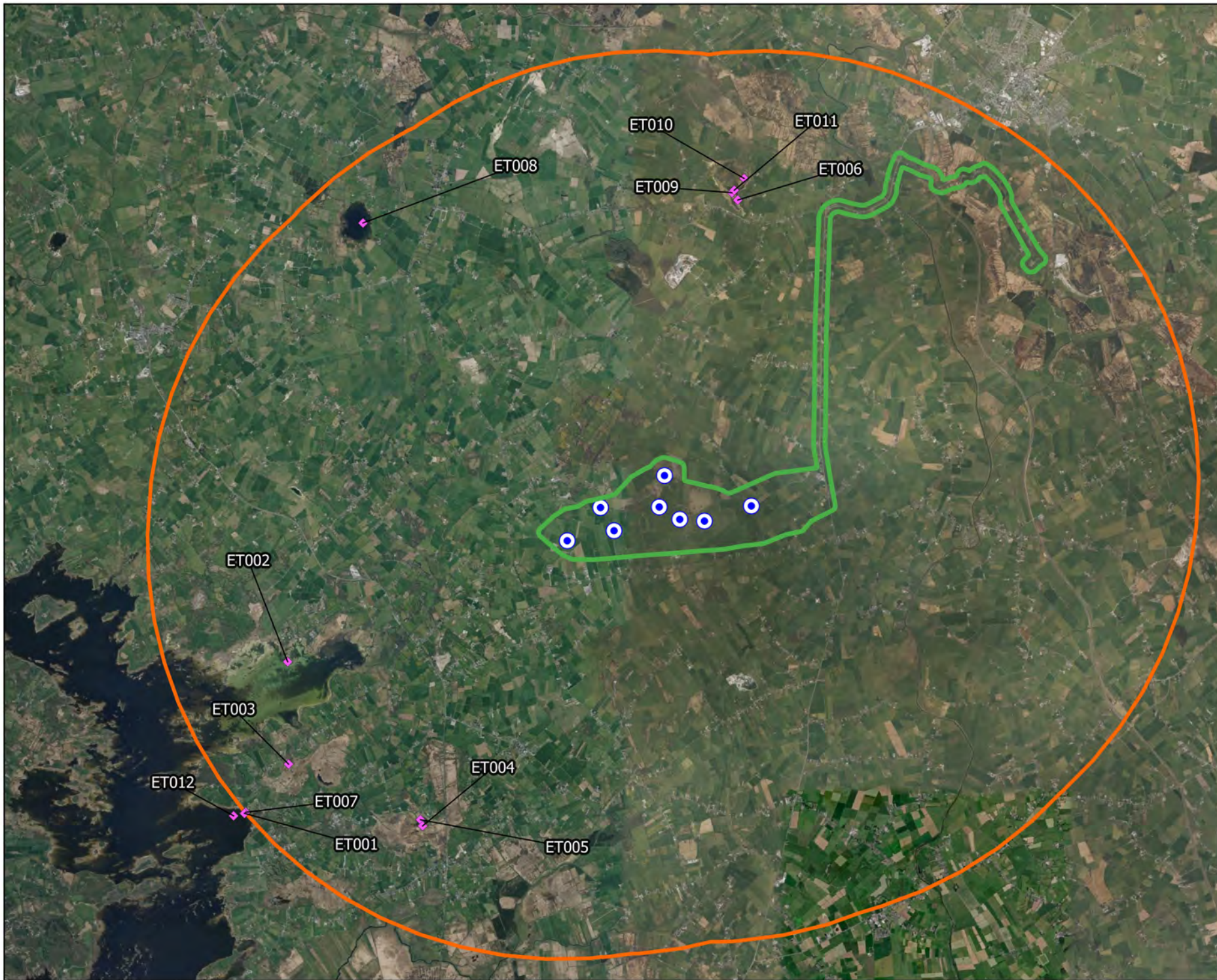
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Little Egret Observations
Vantage Point Surveys

Project Title:
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Map Legend

- EIAR Site Boundary
- Proposed Turbine Locations
- 8km Survey Area
- ◆ Observation



Drawing Title:

Little Egret Observations
Waterbird Distribution and Abundance Surveys

Project Title:

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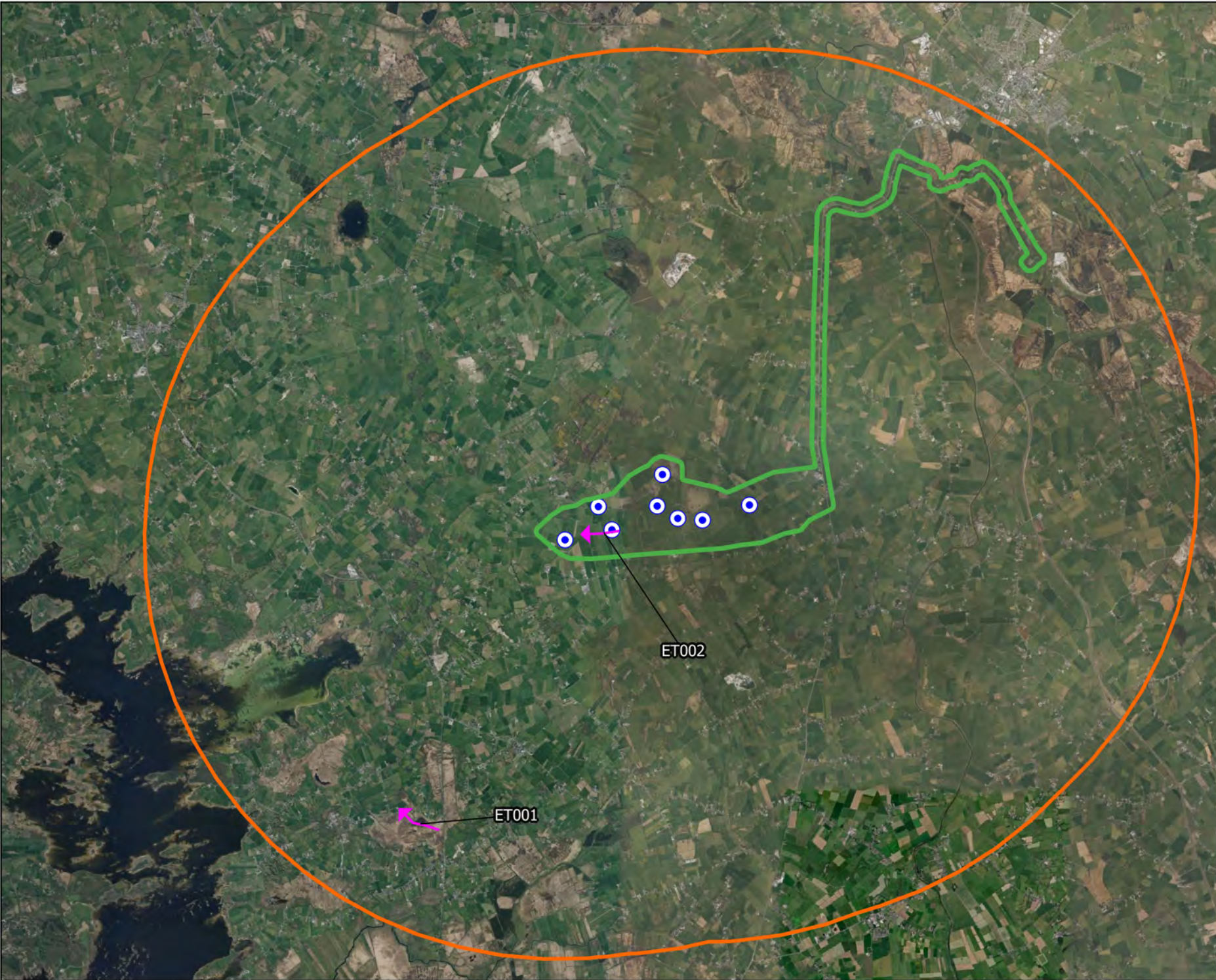
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-  EIAR Site Boundary
 -  Proposed Turbine Locations
 -  8km Survey Area
 -  Observation

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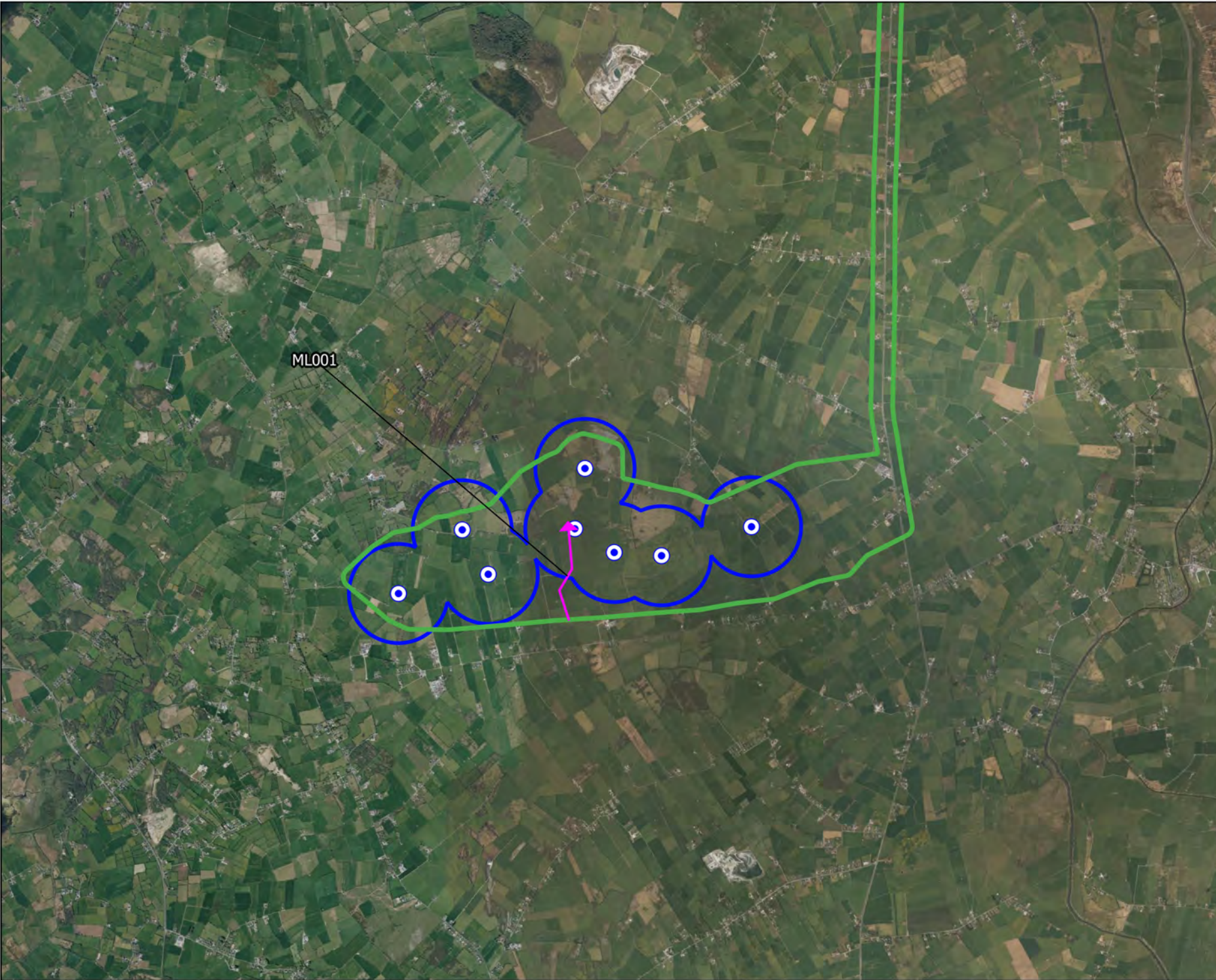
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4.

MERLIN

Table 7-4-8 Merlin Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
ML001	VP1	14/02/2022	12:28	Merlin	1	8	8	0	0	0	Flew low to the ground and dropped out if view	JF



Map Legend

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

ML001



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**Merlin Observations
Vantage Point Surveys**

Laurclavagh Renewable Energy Development

Drawn By KS	Checked By PM
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Project No. 210627	Drawing No. 7-4-8
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Scale 1:50000	Date 09.11.2023
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5.

PEREGRINE

Table 7-4-9 Peregrine Vantage Point Survey data

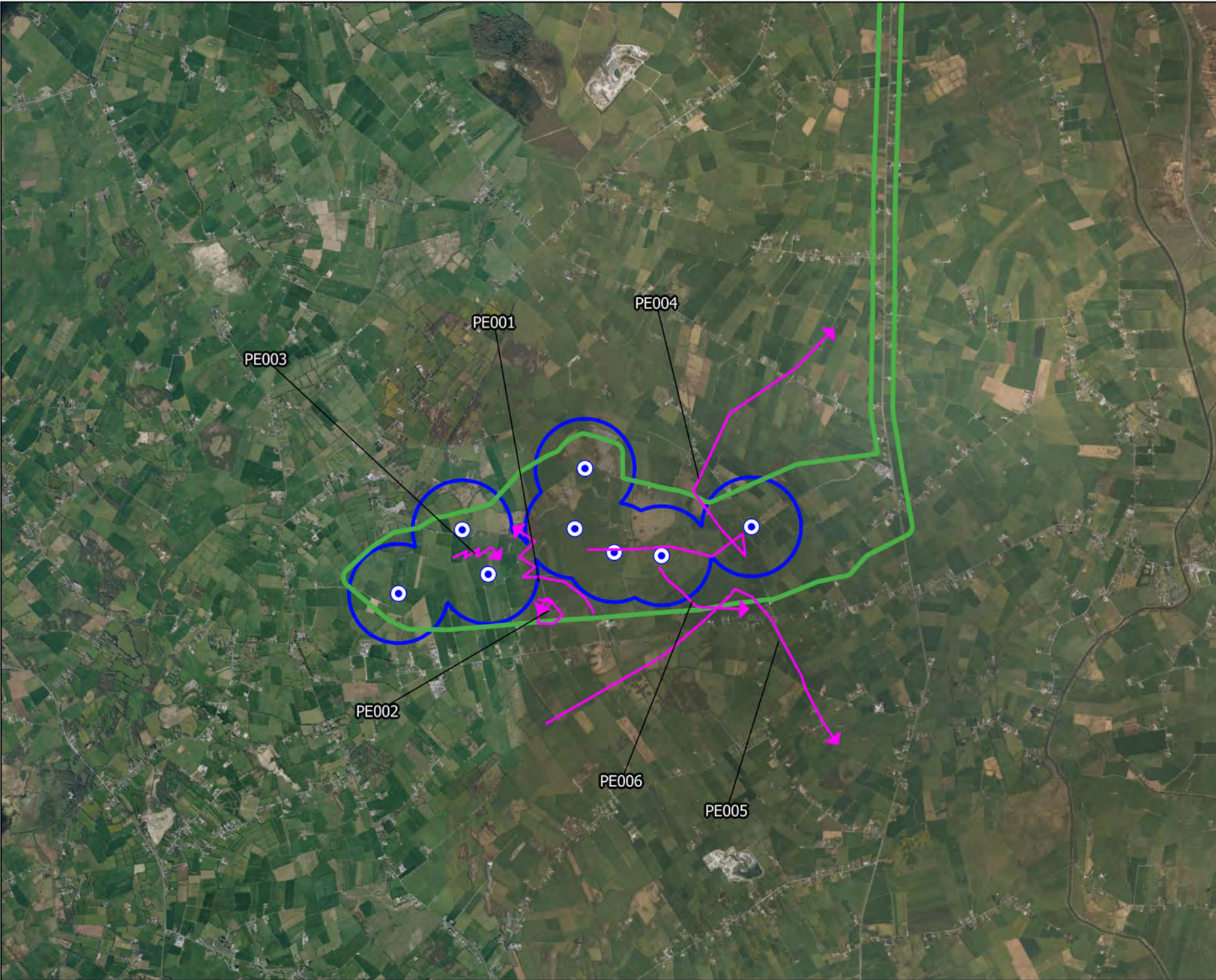
Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
PE001	VP1	01/09/2020	16:00	Peregrine Falcon	1	57	7	20	30	0	improved agricultural grassland; pe coming from south, flew down low over ground. took altitude, hunting in zigzag	MP
PE002	VP1	20/11/2020	10:01	Peregrine Falcon	1	20	20	0	0	0	improved agricultural grassland; hunting, low	MP
PE003	VP1	24/02/2021	17:39	Peregrine Falcon	1	41	0	0	41	0	improved agricultural grassland; hunting	MP
PE004	VP2	03/06/2021	12:48	Peregrine Falcon	1	425	0	0	250	160	grassland and marsh, arable crops and treelines; drifted east before circling up high	PT
PE005	VP2	01/07/2021	12:58	Peregrine Falcon	1	405	0	0	165	60	grassland and marsh and linear woodland/scrub; circling, gained height then headed southeast	PT
PE006	VP2	01/07/2021	18:12	Peregrine Falcon	1	35	5	5	25	0	grassland and marsh and linear woodland/scrub; hunting flight, dropped low, perched on mast for c.3 minutes prior to flight	PT

Table 7-4-10 Peregrine Breeding Raptor Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
PE002	BR12	12/05/2021	15:57	Peregrine Falcon	1	improved agricultural grassland, hunting, soaring, stooping	suitable nesting habitat; possible breeder	MP

Table 7-4-11 Peregrine Incidental Observations

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
PE001	Waterbird Distribution Survey; Lough Corrib	21/10/2020	11:17	Peregrine Falcon	1	improved agricultural grassland; flying	MP
PE002	Waterbird Distribution Survey; Belclare Turlough	04/11/2020	13:30	Peregrine Falcon	1	turloughs; perched, hunting	MP
PE003	Hen Harrier Roost Survey; HHVP4	28/10/2021	18:09	Peregrine Falcon	1	turloughs; hunting	JK
PE004	Waterbird Distribution Survey; Lough Hackett	16/12/2021	12:06	Peregrine Falcon	1	lakes and ponds; travelling; mobbed by crows	PM
PE005	Hen Harrier Roost Survey; HHVP3	14/02/2022	16:44	Peregrine Falcon	1	improved agricultural grassland; flying, adult male	ZE



Map Legend

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

PE003

PE001

PE004

PE002

PE006

PE005



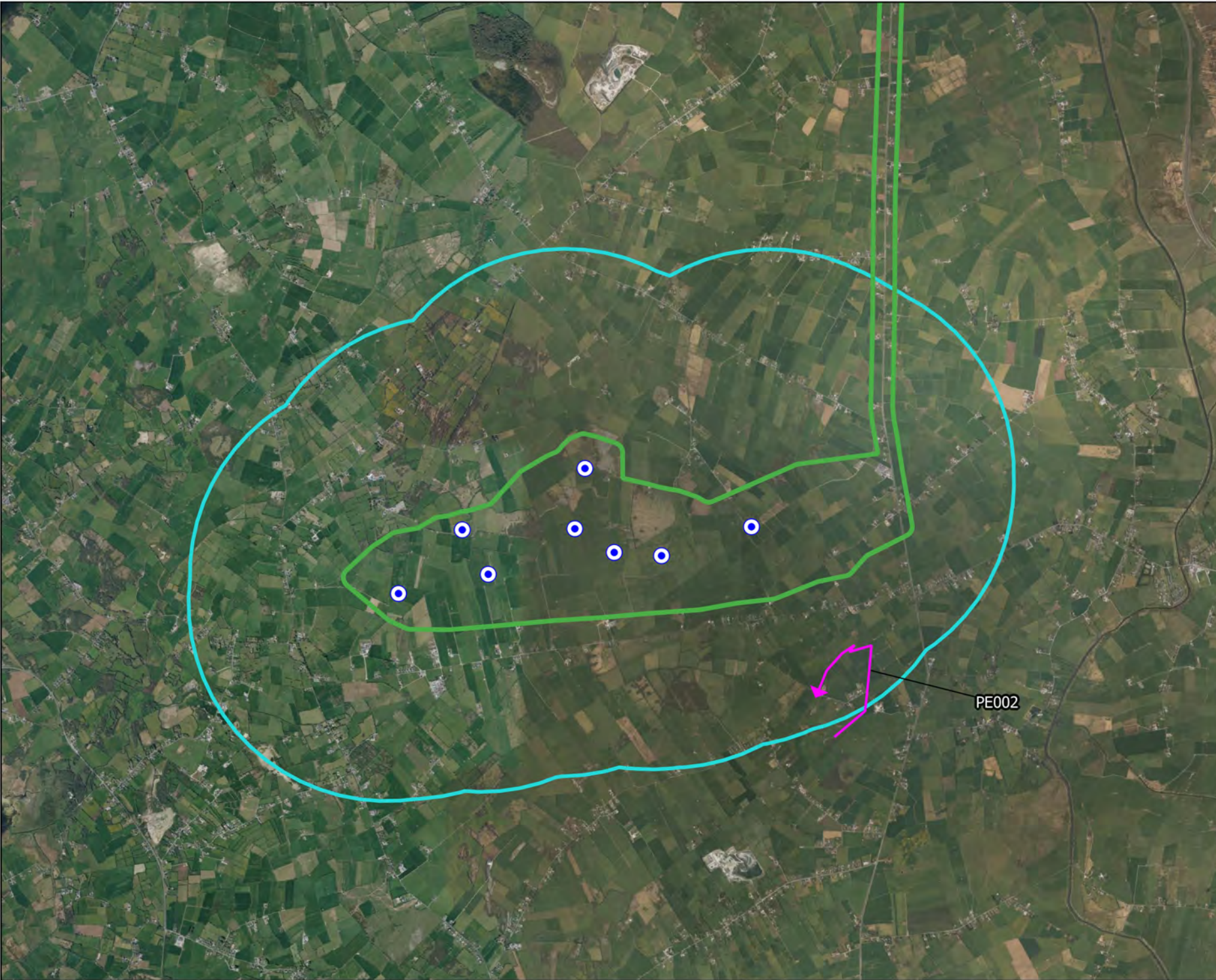
Drawing Title:
**Peregrine Observations
Vantage Point Surveys**

Project Title:
Laurdavagh Renewable Energy Development





Drawn By	Checked By
KS	PM
Project No.	Drawing No.
210627	7-4-9
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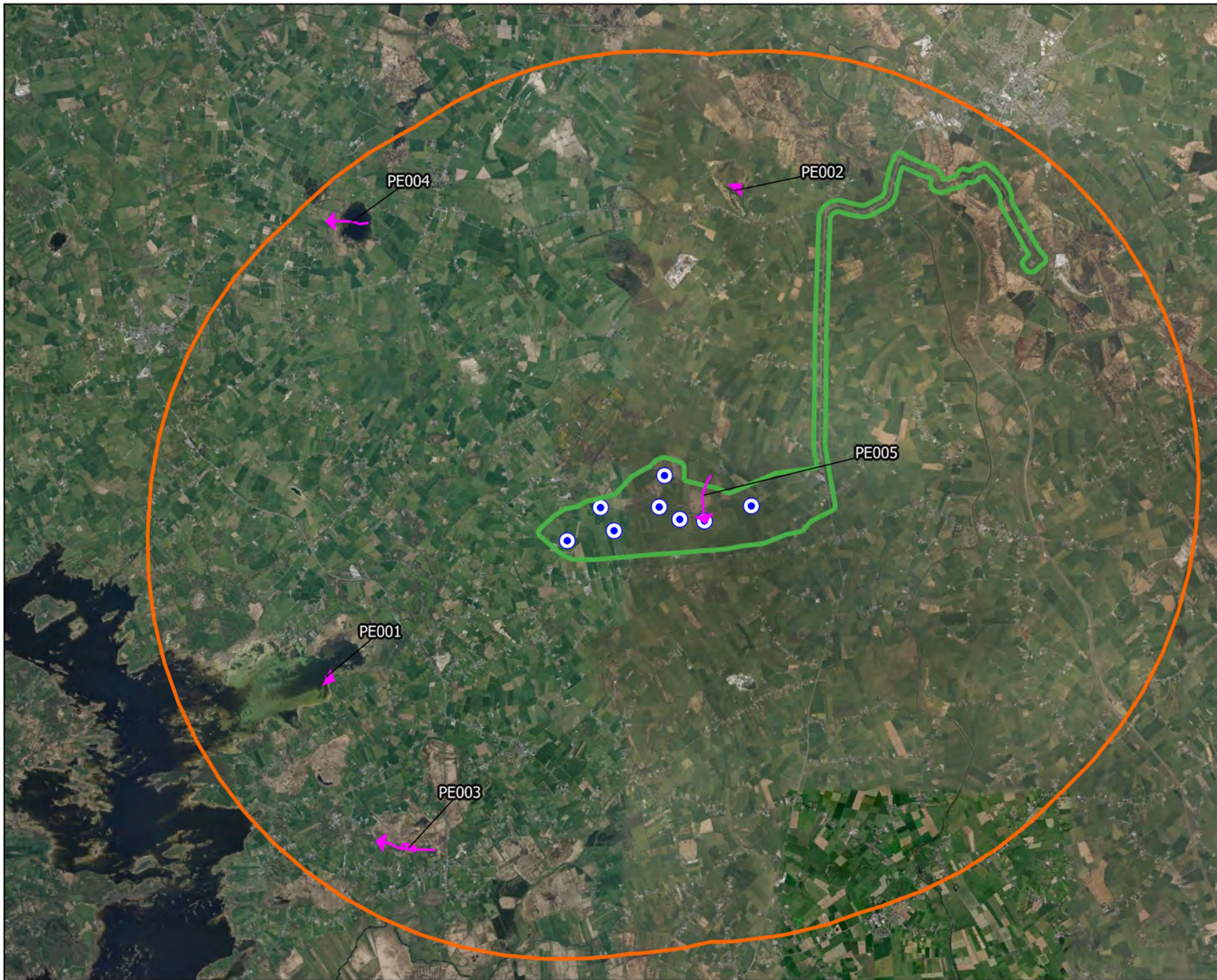
-  EIAR Site Boundary
-  Proposed Turbine Locations
-  2km Survey Area
-  Flight Observation



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PE002

Drawing Title	
Peregrine Observations Breeding Raptor Surveys	
Project Title	
Laurclavagh Renewable Energy Development	
Drawn By	Checked By
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Project No.	Drawing No.
210627	7-4-10
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1:50000	09.11.2023
	
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Map Legend

- EIAR Site Boundary
- Proposed Turbine Locations
- 8km Survey Area
- Observation



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Drawing Title:
**Peregrine Observations
Incidental Observations**

Project Title:
Laurclavagh Renewable Energy Development

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Project No.: 210627	Drawing No.: 7-4-11
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Scale: 1:95700	Date: 09.11.2023
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6.

WHOOPER SWAN

Table 7-4-12 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	VP2	14/10/2020	18:48	Whooper Swan	8	35	0	0	35	0	improved agricultural grassland; travelling	MP
WS002	VP2	29/10/2021	09:22	Whooper Swan	5	240	0	0	240	0	improved agricultural grassland; travelling	PM
WS003	VP1	13/01/2022	15:34	Whooper Swan	1	75	0	15	60	0	improved agricultural grassland; flying	JF

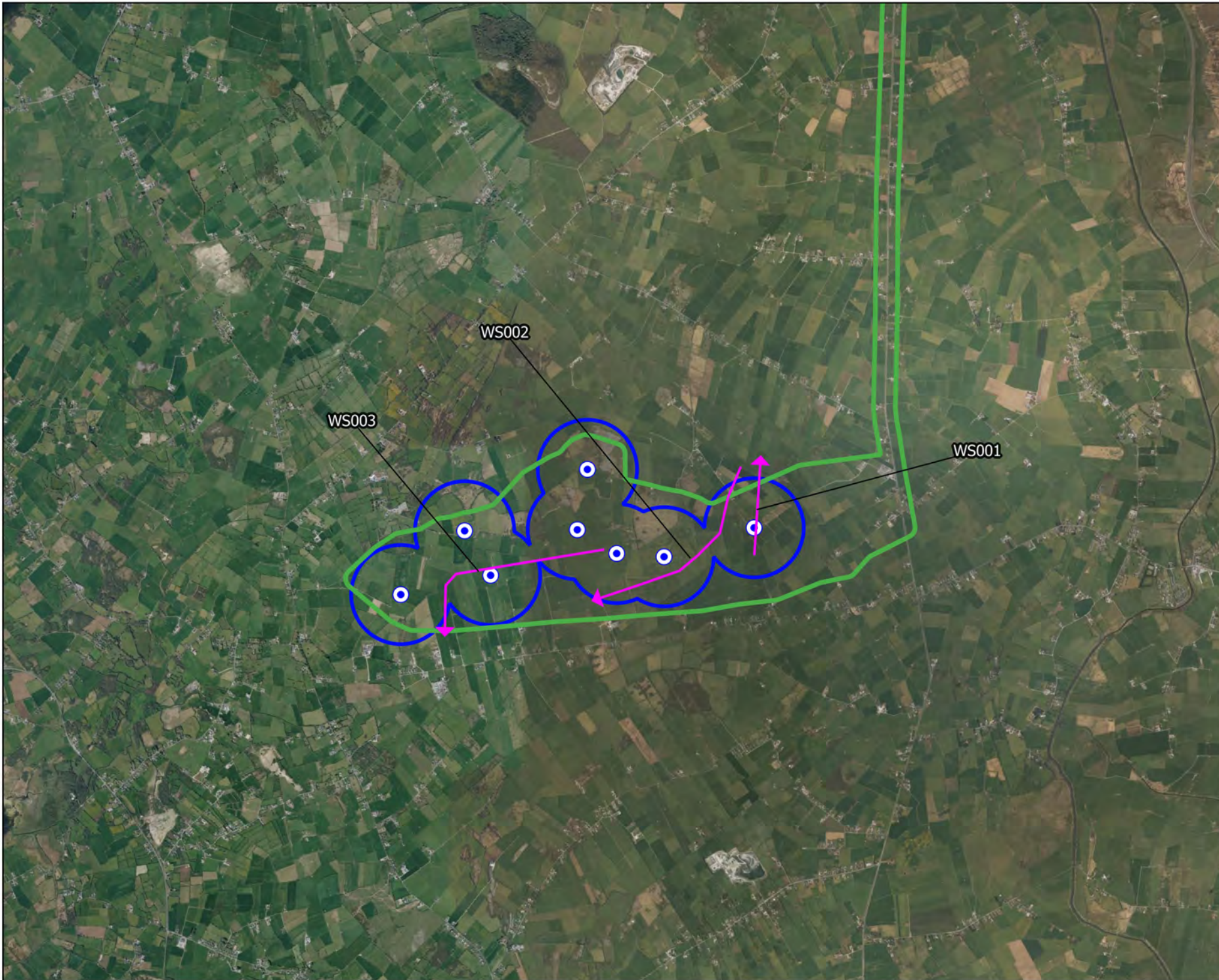
Table 7-4-13 Whooper Swan Waterbird Distribution and Abundance Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WS001	Belclare Turlough	21/10/2020	12:16	Whooper Swan	3	turloughs; feeding	MP
WS002	Belclare Turlough	04/11/2020	13:15	Whooper Swan	12	turloughs; on water, 5 juveniles took off after 20min and flew east	MP
WS003	Hackett turlough	04/11/2020	14:23	Whooper Swan	7	turloughs; feeding, 3 adults 4 juveniles	MP
WS004	Belclare Turlough	18/11/2020	13:15	Whooper Swan	3	turloughs; cleansing feathers	MP
WS005	Bohercull Turlough	18/11/2020	14:00	Whooper Swan	7	turloughs; feeding	MP
WS006	Annaghdown	18/11/2020	14:37	Whooper Swan	2	turloughs; feeding	MP
WS007	Belclare Turlough	16/12/2020	12:41	Whooper Swan	6	turloughs; resting	MP
WS008	Belclare Turlough	16/12/2020	12:53	Whooper Swan	14	turloughs; on water	MP
WS009	Belclare Turlough	07/01/2021	13:08	Whooper Swan	1	turloughs; resting	MP
WS010	Bohercull Turlough	07/01/2021	13:37	Whooper Swan	16	improved agricultural grassland; feeding	MP
WS011	Bohercull Turlough	22/01/2021	11:15	Whooper Swan	1	turloughs; resting	MP
WS012	Bohercull Turlough	23/02/2021	15:26	Whooper Swan	6	improved agricultural grassland and turloughs; feeding	MP
WS013	Bohercull Turlough	04/03/2021	12:14	Whooper Swan	2	turloughs; resting	MP
WS014	Bohercull Turlough	04/03/2021	12:43	Whooper Swan	5	improved agricultural grassland; feeding, turlough drained	MP
WS015	Bohercull Turlough	01/04/2021	10:15	Whooper Swan	9	turloughs; on water	MP
WS016	Pollnahallia	29/10/2021	11:33	Whooper Swan	2	turloughs; on water	JK
WS017	Belclare Turlough	02/11/2021	08:23	Whooper Swan	11	turloughs; travelling, flew off from turlough just after i arrived	PDC
WS018	Belclare Turlough	10/11/2021	09:22	Whooper Swan	29	turloughs; on water	PDC
WS019	River Clare	10/11/2021	12:29	Whooper Swan	26	improved agricultural grassland; feeding, grazing in field alongside n83 and River Clare.	PDC

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WS020	Belclare Turlough	16/12/2021	10:14	Whooper Swan	3	turloughs; feeding	PM
WS021	Claretuam	16/12/2021	11:17	Whooper Swan	12	wet grassland; feeding	PM
WS022	N83/R333 bridge	01/02/2022	12:27	Whooper Swan	36	improved agricultural grassland; feeding, fields south of N83	ZE
WS023	Turloughnaroy	01/02/2022	14:25	Whooper Swan	1	turloughs; feeding	ZE
WS024	N83/R333 bridge	14/02/2022	12:00	Whooper Swan	10	improved agricultural grassland; feeding	ZE

Table 7-4-14 Whooper Swan Incidental Observations

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WS001	Hen Harrier Roost Survey; HHVP4	04/11/2020	15:51	Whooper Swan	2	bogs and dry calcareous and neutral grassland; travelling east	MP



Map Legend

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



Drawing Title:

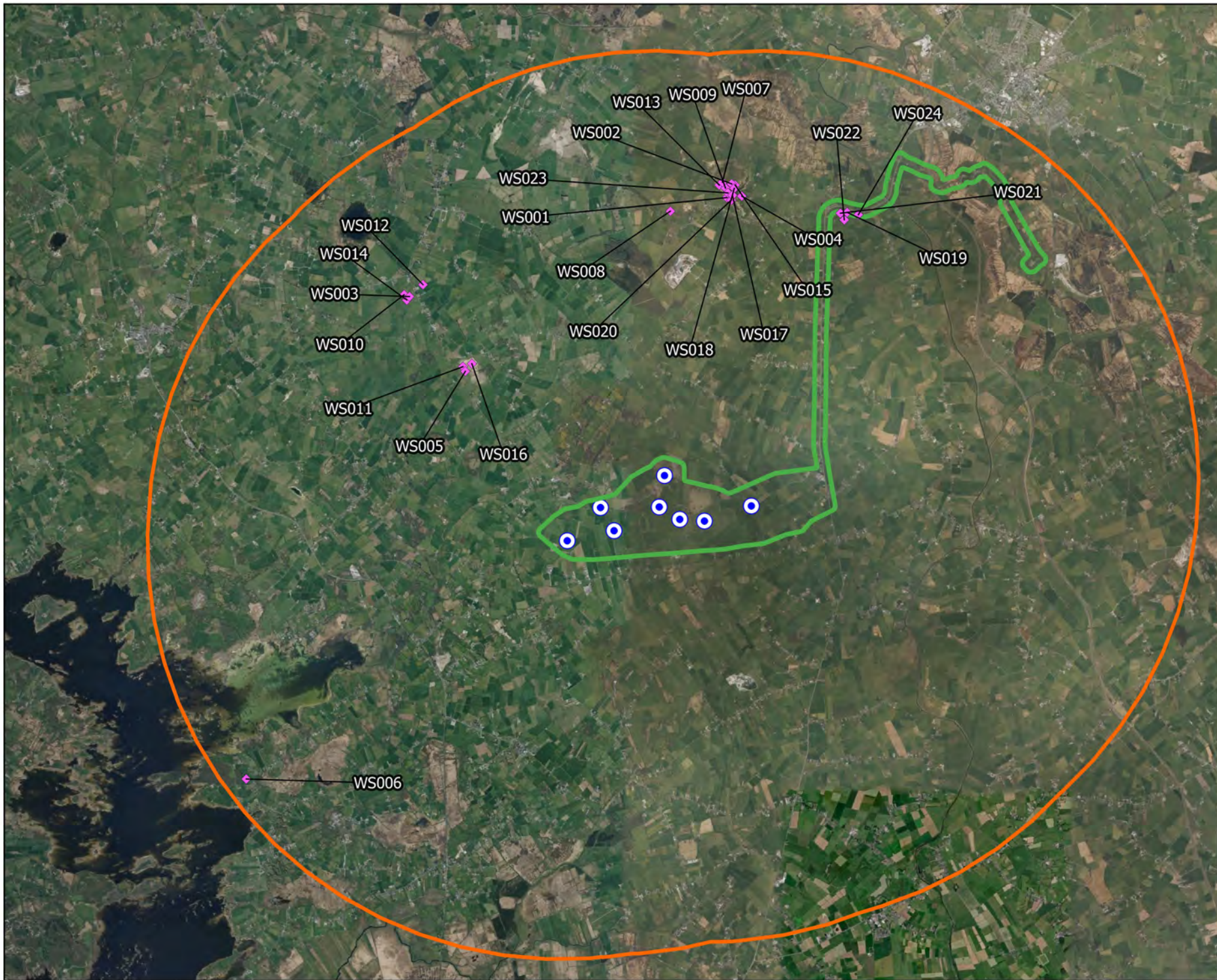
**Whooper Swan Observations
Vantage Point Surveys**

Project Title:
Laurclavagh Renewable Energy Development

Drawn By: KS	Checked By: PM
Project No.: 210627	Drawing No.: 7-4-12
Scale: 1:50000	Date: 09.11.2023

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- EIAR Site Boundary
- Proposed Turbine Locations
- 8km Survey Area
- ◆ Observation



Drawing Title:

Whooper Swan Observations
Waterbird Distribution and Abundance Surveys

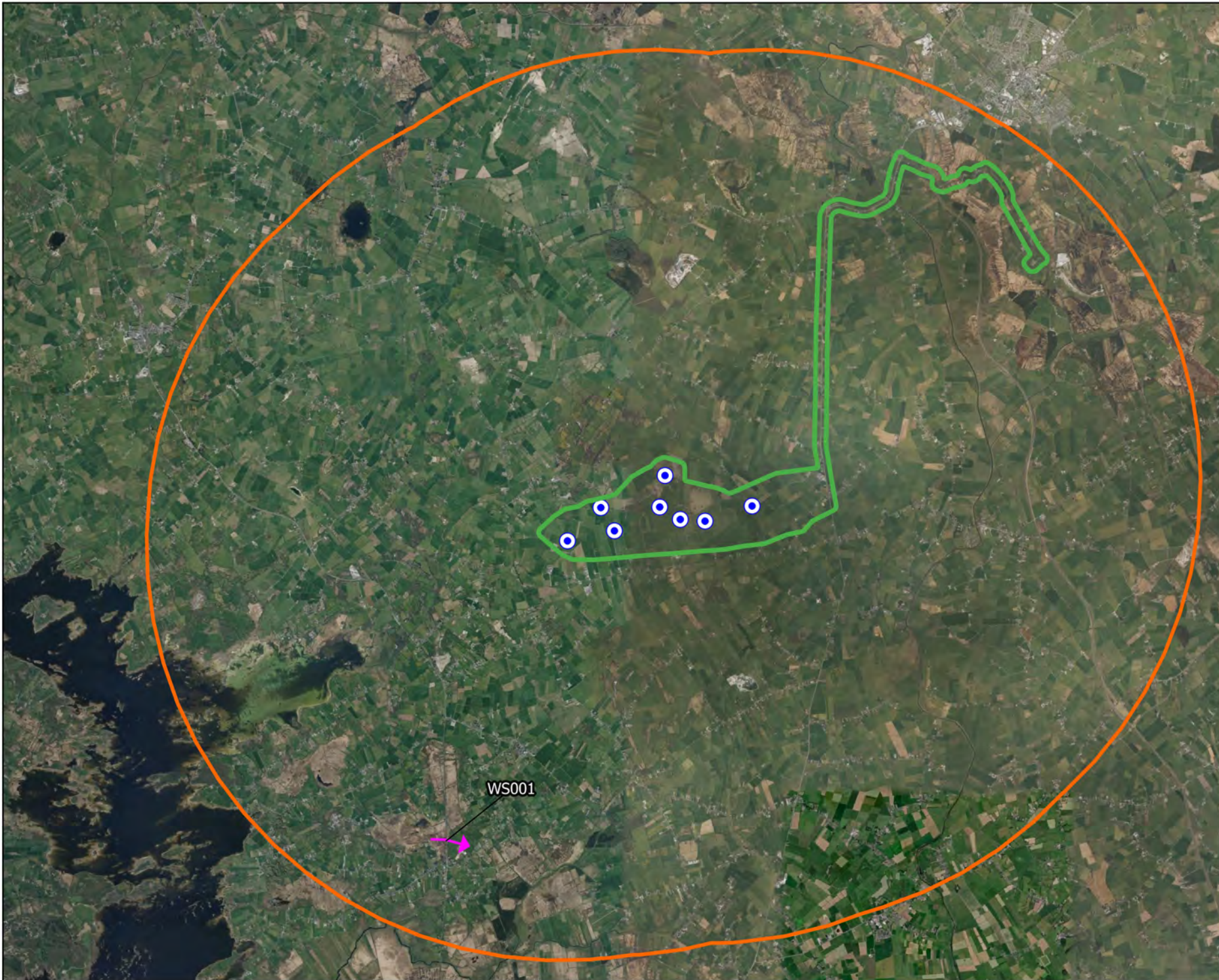
Project Title:

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KS	PM
Project No.	Drawing No.
210627	7-4-13
Scale	Date
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Map Legend

- EIA Site Boundary
- Proposed Turbine Locations
- 8km Survey Area
- Observation



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Drawing Title:
**Whooper Swan Observations
Incidental Observations**

Project Title:
Laurclavagh Renewable Energy Development

Drawn By: KS	Checked By: PM
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Project No.: 210627	Drawing No.: 7-4-14
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WS001

7.

BLACK-HEADED GULL

Table 7-4-15 Black-headed Gull 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
BH001	VP1	25/06/2020	10:47	Black-headed Gull	3	350	0	0	350	0	improved agricultural grassland and dry calcareous and neutral grassland; circling over grassland for c.5min before soaring off quickly to northwest	MP
BH002	VP1	25/06/2020	14:42	Black-headed Gull	1	110	0	0	110	0	improved agricultural grassland; flying, circled over grassland	MP
BH003	VP2	09/07/2020	11:19	Black-headed Gull	2	43	43	0	0	0	improved agricultural grassland; adult + juv. flew north, landed in improved agricultural grassland	MP
BH004	VP2	13/01/2021	11:22	Black-headed Gull	1	52	52	0	0	0	improved agricultural grassland; travelling south	MP
BH005	VP2	13/01/2021	13:35	Black-headed Gull	2	48	48	0	0	0	improved agricultural grassland; flying, landed in grassland pushed by strong winds	MP
BH006	VP2	10/02/2021	13:02	Black-headed Gull	1	175	75	50	50	0	improved agricultural grassland; travelling	MP
BH007	VP2	10/02/2021	13:47	Black-headed Gull	50	12	12	0	0	0	improved agricultural grassland; flew from n, landed on grassland	MP
BH008	VP2	10/02/2021	14:11	Black-headed Gull	75	35	0	0	35	0	improved agricultural grassland and dry calcareous and neutral grassland; circling	MP
BH009	VP2	10/02/2021	15:48	Black-headed Gull	11	32	0	0	32	0	improved agricultural grassland; circling	MP
BH010	VP1	12/03/2021	10:32	Black-headed Gull	3	73	0	73	0	0	improved agricultural grassland and mixed broadleaved woodland; flying, circling	MP
BH011	VP2	01/07/2021	13:55	Black-headed Gull	1	220	0	0	100	0	grassland; flying	PT
BH012	VP2	01/07/2021	14:02	Black-headed Gull	1	250	0	0	200	0	grassland; flying, adult	PT
BH013	VP2	01/07/2021	15:06	Black-headed Gull	1	85	0	0	85	0	grassland; flying	PT
BH014	VP2	01/07/2021	15:19	Black-headed Gull	8	120	0	70	30	0	grassland; flying	PT

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
BH015	VP2	01/07/2021	15:20	Black-headed Gull	3	105	70	35	0	0	grassland and marsh; foraging over field at end of flight, 1-2 subsequently occasionally visible foraging low over fields in same vicinity for much of remainder of survey	PT
BH016	VP2	01/07/2021	16:24	Black-headed Gull	2	170	0	100	20	0	grassland; flying	PT
BH017	VP2	01/07/2021	16:24	Black-headed Gull	2	140	0	50	55	0	grassland; flying	PT
BH018	VP2	01/07/2021	17:19	Black-headed Gull	4	20	0	15	5	0	grassland; flying, adults	PT
BH019	VP2	01/07/2021	17:30	Black-headed Gull	1	60	10	5	45	0	grassland; dropped down	PT
BH020	VP2	01/07/2021	17:30	Black-headed Gull	1	45	0	0	45	0	grassland; flying	PT
BH021	VP2	01/07/2021	17:30	Black-headed Gull	1	300	0	0	180	0	grassland and woodland and scrub; flying	PT
BH022	VP2	01/07/2021	17:45	Black-headed Gull	16	90	0	20	70	0	grassland; flying, flock	PT
BH023	VP2	01/07/2021	17:46	Black-headed Gull	13	155	0	0	100	55	grassland; circled up high then drifted off	PT
BH024	VP2	01/07/2021	17:46	Black-headed Gull	2	15	0	0	15	0	grassland; flying, split from flock	PT
BH025	VP2	01/07/2021	18:05	Black-headed Gull	1	55	55	0	0	0	grassland; flying, adult	PT
BH026	VP2	01/07/2021	18:06	Black-headed Gull	1	195	0	0	145	0	grassland and woodland and scrub; flying, adult	PT
BH027	VP2	01/07/2021	18:25	Black-headed Gull	1	65	0	35	30	0	grassland; flying	PT
BH028	VP2	01/07/2021	18:29	Black-headed Gull	1	55	55	0	0	0	grassland; flying	PT
BH029	VP2	01/07/2021	18:30	Black-headed Gull	1	25	25	0	0	0	grassland; flying	PT
BH030	VP2	03/11/2021	14:53	Black-headed Gull	3	74	0	0	74	0	improved grassland; travelling, lost in distance against grey clouds.	PDC
BH031	VP1	04/11/2021	12:05	Black-headed Gull	10	113	0	0	113	0	improved agricultural grassland; travelling, lost against grey clouds in distance	PDC

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
BH032	VP1	13/01/2022	11:55	Black-headed Gull	40	90	0	30	60	0	improved agricultural grassland; flying in a loose flock	JF
BH033	VP1	13/01/2022	12:01	Black-headed Gull	2	30	0	30	0	0	improved agricultural grassland; fly through north	JF
BH034	VP1	13/01/2022	12:02	Black-headed Gull	8	60	0	0	60	0	improved agricultural grassland; flying west and circling	JF
BH035	VP1	13/01/2022	15:08	Black-headed Gull	2	60	0	30	30	0	improved agricultural grassland and grassland and marsh; flying	JF
BH036	VP1	23/01/2022	13:56	Black-headed Gull	70	190	0	65	85	30	grassland; flying	JF
BH037	VP2	16/05/2023	16:21	Black-headed Gull	3	45	0	45	0	0	improved grassland; travelling	LDV
BH038	VP1	07/06/2023	13:44	Black-headed Gull	2	117	0	117	0	0	improved grassland; travelling	LDV
BH039	VP1	07/06/2023	13:58	Black-headed Gull	1	49	0	49	0	0	improved grassland; travelling	LDV
BH040	VP1	07/06/2023	14:07	Black-headed Gull	1	54	54	0	0	0	improved grassland; travelling	LDV
BH041	VP1	07/06/2023	14:28	Black-headed Gull	1	13	13	0	0	0	improved grassland; travelling	LDV
BH042	VP2	14/06/2023	12:25	Black-headed Gull	1	90	0	90	0	0	improved grassland; travelling	LDV

Table 7-4-16 Black-headed Gull Breeding Walkover Survey data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
BH001	25/06/2021	11:05	Black-headed Gull	1	improved agricultural grassland; flying (flyover; non-breeding)	MP
BH002	06/06/2023	11:32	Black-headed Gull	6	improved grassland; travelling (flyover; non-breeding)	LDV

Table 7-4-17 Black-headed Gull Waterbird Distribution and Abundance Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BH001	Lough Corrib	04/09/2020	11:15	Black-headed Gull	8	lakes and ponds; travelling west	MP
BH002	Lough Corrib	07/10/2020	17:00	Black-headed Gull	2	lakes and ponds; perched	MP
BH003	Hackett Turlough	04/11/2020	14:23	Black-headed Gull	18	turloughs; feeding	MP

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BH004	Belclare Turlough	02/12/2020	13:08	Black-headed Gull	81	turloughs; on land and water	MP
BH005	Bohercull Turlough	02/12/2020	13:38	Black-headed Gull	135	turloughs and improved agricultural grassland; on water, terrestrial	MP
BH006	Bohercull Turlough	02/12/2020	13:49	Black-headed Gull	36	turloughs; on water	MP
BH007	Belclare Turlough	16/12/2020	12:43	Black-headed Gull	1	turloughs; travelling	MP
BH008	Belclare Turlough	16/12/2020	12:54	Black-headed Gull	52	turloughs; on water	MP
BH009	Bohercull Turlough	16/12/2020	13:23	Black-headed Gull	50	improved agricultural grassland and turloughs; feeding	MP
BH010	Bohercull Turlough	16/12/2020	13:32	Black-headed Gull	31	turloughs; on water, travelling	MP
BH011	Belclare Turlough	07/01/2021	13:09	Black-headed Gull	25	turloughs; on water, travelling	MP
BH012	Bohercull Turlough	07/01/2021	13:42	Black-headed Gull	6	turloughs; travelling	MP
BH013	Bohercull Turlough	22/01/2021	11:09	Black-headed Gull	158	turloughs; on water	MP
BH014	Lough Hacket	22/01/2021	11:28	Black-headed Gull	11	lakes and ponds; on water	MP
BH015	Belclare Turlough	09/02/2021	14:08	Black-headed Gull	3	turloughs; flying	MP
BH016	Bohercull Turlough	09/02/2021	14:50	Black-headed Gull	4	turloughs; flying	MP
BH017	Lough Corrib	09/02/2021	15:34	Black-headed Gull	2	lakes and ponds; flying	MP
BH018	Bohercull Turlough	23/02/2021	15:34	Black-headed Gull	300	turloughs; feeding, circling	MP
BH019	Bohercull Turlough	04/03/2021	12:49	Black-headed Gull	120	turloughs and improved agricultural grassland; on land	MP
BH020	Lough Corrib	04/03/2021	13:19	Black-headed Gull	5	lakes and ponds and marsh; circling	MP
BH021	Lough Afoor	04/03/2021	13:41	Black-headed Gull	4	marsh; flying	MP
BH022	Belclare Turlough	18/03/2021	15:26	Black-headed Gull	1	turloughs; terrestrial	MP
BH023	Lough Hacket	18/03/2021	15:49	Black-headed Gull	10	improved agricultural grassland; feeding	MP
BH024	Bohercull Turlough	18/03/2021	16:08	Black-headed Gull	10	turloughs and improved agricultural grassland; with hg	MP
BH025	Lough Hacket	01/04/2021	11:01	Black-headed Gull	1	lakes and ponds and improved agricultural grassland; on land	MP
BH026	Bohercull Turlough	01/04/2021	11:18	Black-headed Gull	15	improved agricultural grassland; flying over flooded grassland	MP
BH027	Bohercull Turlough	01/04/2021	11:23	Black-headed Gull	1	turloughs and improved agricultural grassland; on land	MP
BH028	Lough Corrib	01/04/2021	12:02	Black-headed Gull	7	lakes and ponds; flying over lough	MP
BH029	Belclare Turlough	15/04/2021	10:24	Black-headed Gull	14	turloughs; feeding	MP
BH030	Lough Hacket	15/04/2021	10:48	Black-headed Gull	173	lakes and ponds; on water, feeding	MP
BH031	Lough Corrib	15/04/2021	11:18	Black-headed Gull	1	lakes and ponds; perched on rock	MP

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BH032	Luimnagh Pier	14/05/2021	15:17	Black-headed Gull	23	lakes and ponds; flying and feeding, 1 juvenile flying over pier	TR
BH033	Keernaun	28/05/2021	16:58	Black-headed Gull	1	improved grassland; travelling	TR
BH034	Luimnagh	13/08/2021	11:49	Black-headed Gull	7	lakes and ponds; travelling	TR
BH035	Castlehackett	20/08/2021	13:02	Black-headed Gull	2	improved grassland; travelling	TR
BH036	Annaghdown	17/09/2021	10:29	Black-headed Gull	2	lakes and ponds; roosting	TR
BH037	Lough Hacket	17/09/2021	12:02	Black-headed Gull	7	lakes and ponds; roosting	TR
BH038	Luimnagh Pier	28/09/2021	12:11	Black-headed Gull	1	lakes and ponds; roosting	TR
BH039	Annaghdown	05/10/2021	11:55	Black-headed Gull	1	mesotrophic lakes; flying	JK
BH040	Belclare	29/10/2021	10:16	Black-headed Gull	9	turloughs; flying	JK
BH041	Lough Hacket	29/10/2021	11:16	Black-headed Gull	2	turloughs; terrestrial	JK
BH042	Pollnahallia	29/10/2021	11:37	Black-headed Gull	12	turloughs; terrestrial	JK
BH043	Annaghdown	29/10/2021	12:41	Black-headed Gull	3	turloughs; flying	JK
BH044	Belclare Turlough	02/11/2021	09:30	Black-headed Gull	25	turloughs; on ground	PDC
BH045	Lough Hacket	02/11/2021	10:18	Black-headed Gull	16	lakes and ponds; travelling	PDC
BH046	Annagh East	02/11/2021	11:38	Black-headed Gull	3	lakes and ponds; travelling, flew over when I stopped to count teal	PDC
BH047	Belclare Turlough	10/11/2021	09:27	Black-headed Gull	6	turloughs; travelling	PDC
BH048	Lough Hacket	10/11/2021	10:28	Black-headed Gull	54	lakes and ponds; travelling	PDC
BH049	Ballinduff Bay, Luimnagh Pier	10/11/2021	11:10	Black-headed Gull	1	lakes and ponds; standing on rock	PDC
BH050	Annaghdown	10/11/2021	11:46	Black-headed Gull	22	lakes and ponds; travelling	PDC
BH051	Turloughnaroyer	08/12/2021	14:00	Black-headed Gull	42	turloughs; flying	PM
BH052	Lough Hacket	08/12/2021	14:32	Black-headed Gull	8	lakes and ponds; feeding	PM
BH053	Lough Corrib	09/12/2021	11:03	Black-headed Gull	1	lakes and ponds; flying	PM
BH054	Turloughmore	16/12/2021	11:16	Black-headed Gull	40	wet grassland; roosting by flood	PM
BH055	Lough Hacket	16/12/2021	12:02	Black-headed Gull	23	wet grassland; roosting	PM
BH056	Lough Corrib	16/12/2021	13:54	Black-headed Gull	1	lakes and ponds; flying	PM
BH057	Lough Hacket	07/01/2022	11:27	Black-headed Gull	5	turloughs; on water	JK
BH058	Lough Hacket	18/01/2022	13:28	Black-headed Gull	6	mesotrophic lakes; flying	JK

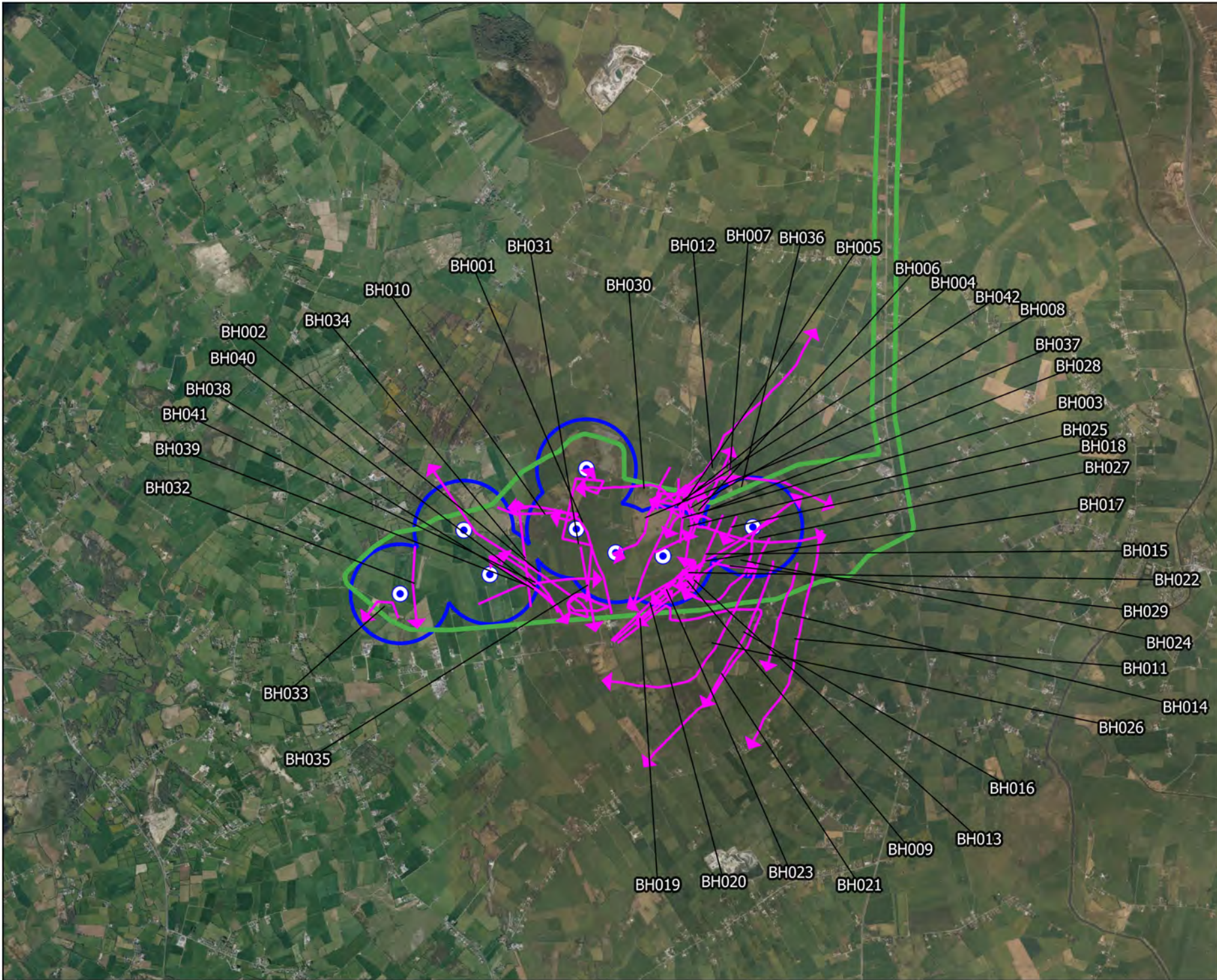
Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BH059	Arrowconlaun	01/02/2022	14:58	Black-headed Gull	120	improved agricultural grassland; feeding, slurry on the field	ZE
BH060	Lough Hacket	02/02/2022	15:17	Black-headed Gull	20	lakes and ponds and improved agricultural grassland; flying	ZE
BH061	Lough Hacket	02/02/2022	15:20	Black-headed Gull	40	improved agricultural grassland; feeding	ZE
BH062	Lough Hacket	14/02/2022	15:21	Black-headed Gull	10	improved agricultural grassland and lakes and ponds; feeding	ZE
BH063	Lough Hacket	14/02/2022	15:23	Black-headed Gull	15	improved agricultural grassland; flying, feeding	ZE
BH064	Annaghdown Pier	10/03/2022	09:14	Black-headed Gull	1	lakes and ponds; flying over	NL
BH065	Lough Hacket	10/03/2022	10:46	Black-headed Gull	1	improved agricultural grassland and lakes and ponds; flying	NL
BH066	Lough Hacket	10/03/2022	10:48	Black-headed Gull	1	improved agricultural grassland and lakes and ponds; flying	NL
BH067	Lough Hacket	10/03/2022	10:50	Black-headed Gull	1	improved agricultural grassland and lakes and ponds; feeding and flying, juvenile	NL
BH068	Lough Hacket	10/03/2022	11:10	Black-headed Gull	23	improved agricultural grassland and lakes and ponds; roosting	NL
BH069	Belclare Turlough	10/03/2022	11:46	Black-headed Gull	4	turloughs; feeding and roosting	NL
BH070	Belclare Turlough	25/03/2022	11:29	Black-headed Gull	35	turloughs; foraging	ZOC
BH071	Lough Hacket	25/03/2022	12:48	Black-headed Gull	54	improved agricultural grassland; roosting	ZOC
BH072	Annaghdown pier	26/09/2023	13:08	Black-headed Gull	8	lakes and ponds; flying	LDV

Table 7-4-18 Black-headed Gull Incidental Observations

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BH001	Breeding Raptor Survey;	10/07/2020		Black-Headed Gull	1	improved agricultural grassland; flew north, below potential collision height	MP
BH002	Hen Harrier Roost Survey; HHVP3	14/01/2021	15:58	Black-Headed Gull	1	improved agricultural grassland; travelling west	MP
BH003	Vantage Point Survey; N17 en route to VP	03/11/2021	10:30	Black-Headed Gull	14	improved agricultural grassland; travelling	PDC
BH004	Waterbird Distribution Survey; Fields close to Luimnagh Pier	10/03/2022	09:32	Black-Headed Gull	3	improved agricultural grassland; circling over sheep field	NL
BH005	Breeding Raptor Survey; BR2	19/05/2023	14:45	Black-Headed Gull	1	improved grassland; travelling	LDV
BH006	Breeding Raptor Survey; BR1	02/06/2023	07:47	Black-Headed Gull	1	improved grassland; travelling	LDV
BH007	Breeding Raptor Survey; BR3	20/06/2023	06:50	Black-Headed Gull	1	improved grassland; travelling	LDV
BH008	Breeding Raptor Survey; BR3	20/06/2023	08:10	Black-Headed Gull	1	improved grassland; travelling	LDV
BH009	Breeding Raptor Survey; BR3	20/06/2023	08:14	Black-Headed Gull	1	improved grassland; travelling	LDV



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BH010	Breeding Raptor Survey; BR3	20/06/2023	09:05	Black-Headed Gull	1	improved grassland; travelling	LDV
BH011	Breeding Raptor Survey; BR4	20/06/2023	12:51	Black-Headed Gull	1	improved grassland; travelling	LDV



Map Legend

- EIA Site Boundary
- Proposed Turbine Locations
- 500m Radius of Turbines
- Flight Observation

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Drawing Title:
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Vantage Point Surveys**

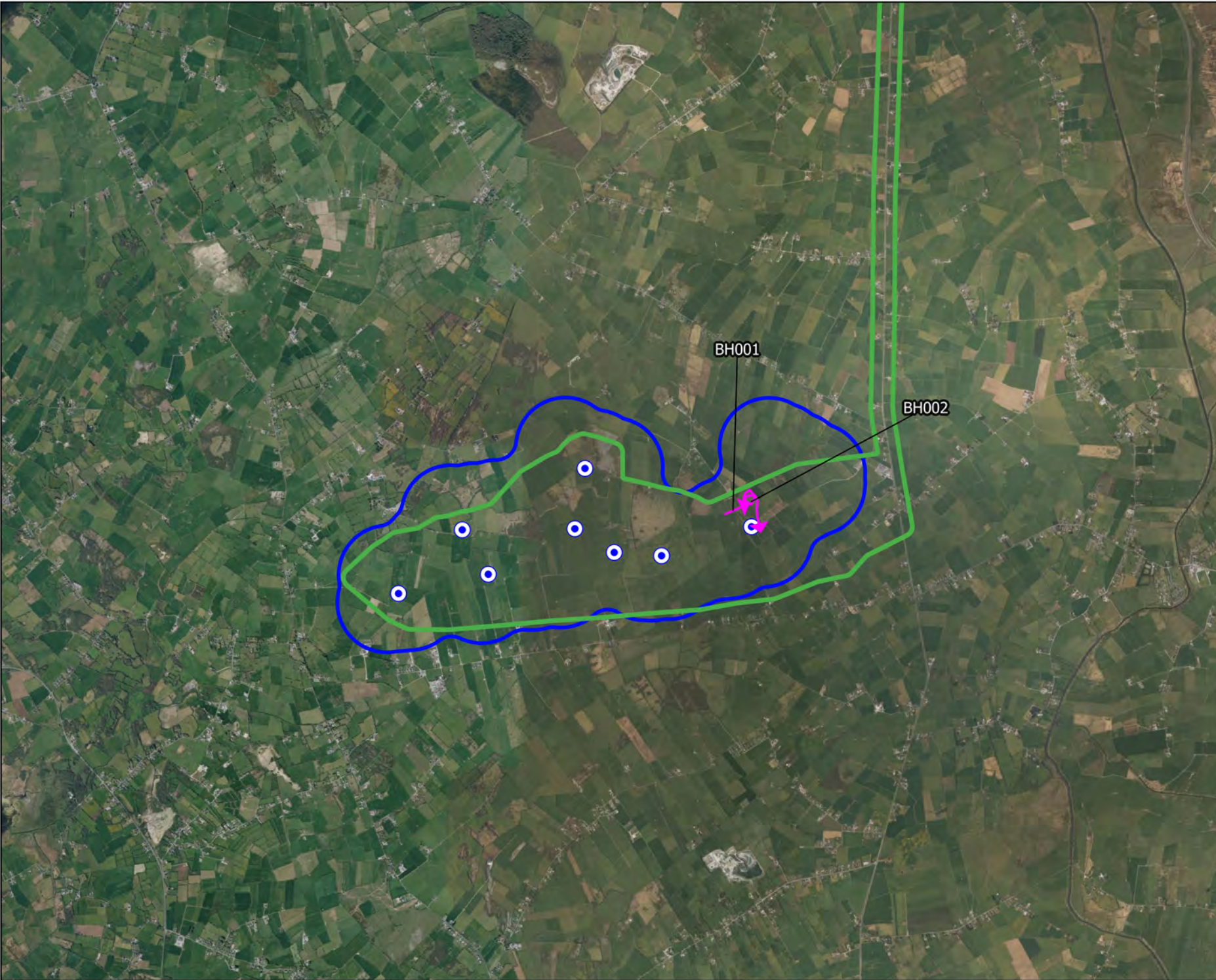
Project Title:
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Map Legend

-  EIA Site Boundary
-  Proposed Turbine Locations
-  500m Survey Area
-  Flight Observation

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Drawing Title:
**Black-head Gull Observations
Breeding Walkover Surveys**

Project Title:
Laurdavagh Renewable Energy Development

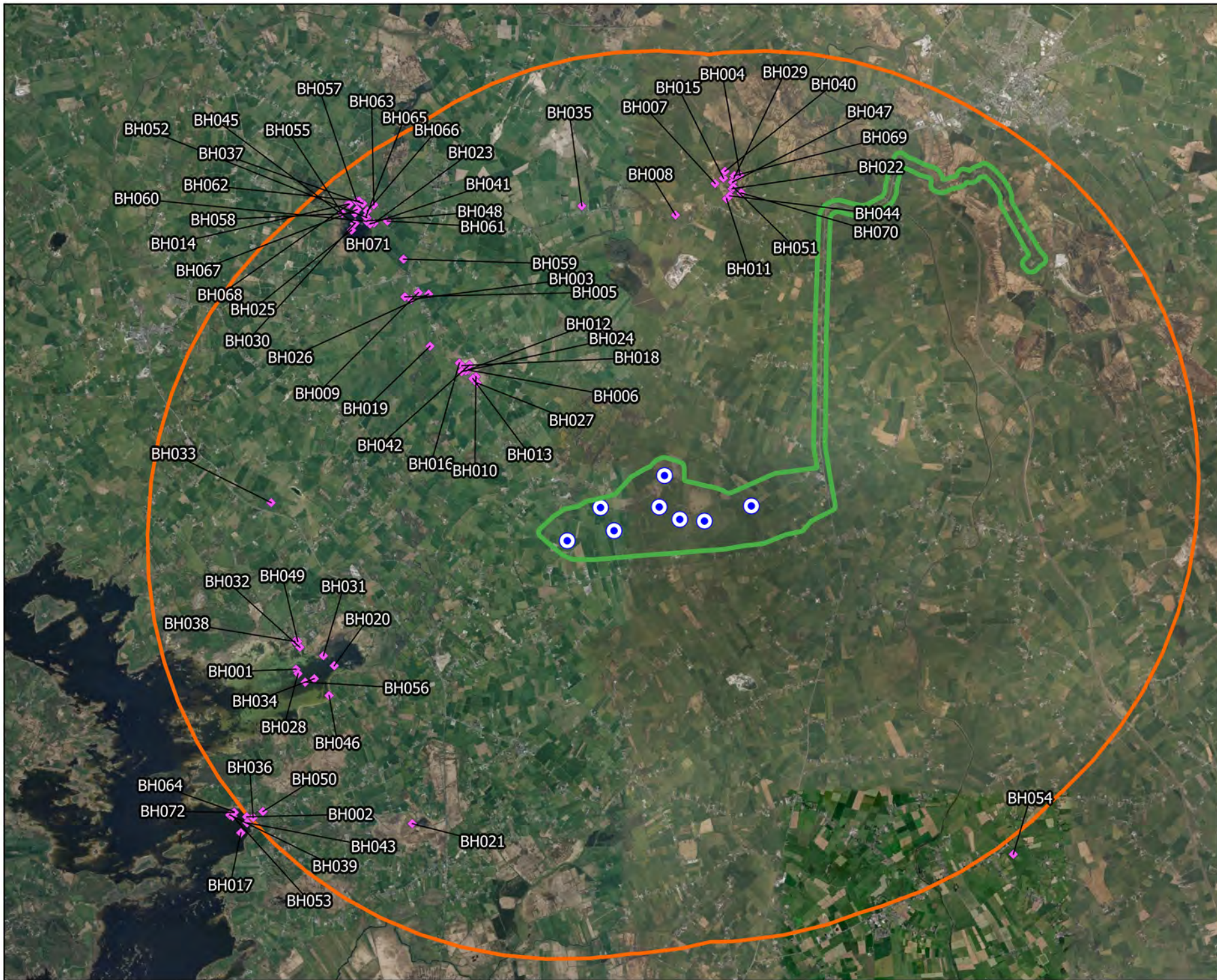
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Map Legend

-  EIAR Site Boundary
-  Proposed Turbine Locations
-  8km Survey Area
-  Observation

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Drawing Title:

Black-headed Gull Observations
Waterbird Distribution and Abundance Surveys

Project Title:

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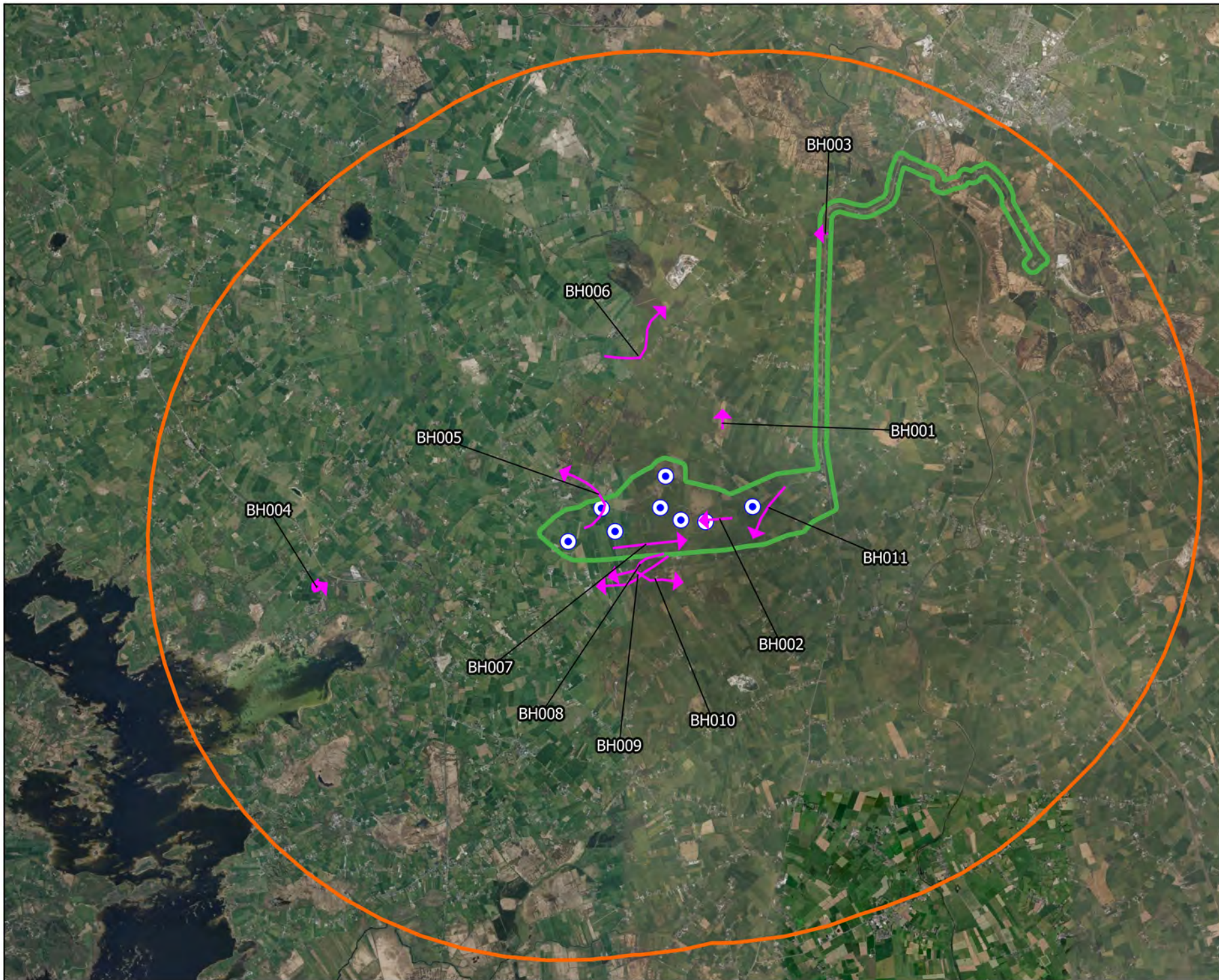
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- ### Map Legend
- EIAR Site Boundary
 - Proposed Turbine Locations
 - 8km Survey Area
 - Observation



Drawing Title:
**Black-headed Gull Observations
 Incidental Observations**

Project Title:
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8.

COMMON GULL

Table 7-4-19 Common Gull Vantage Point Survey data

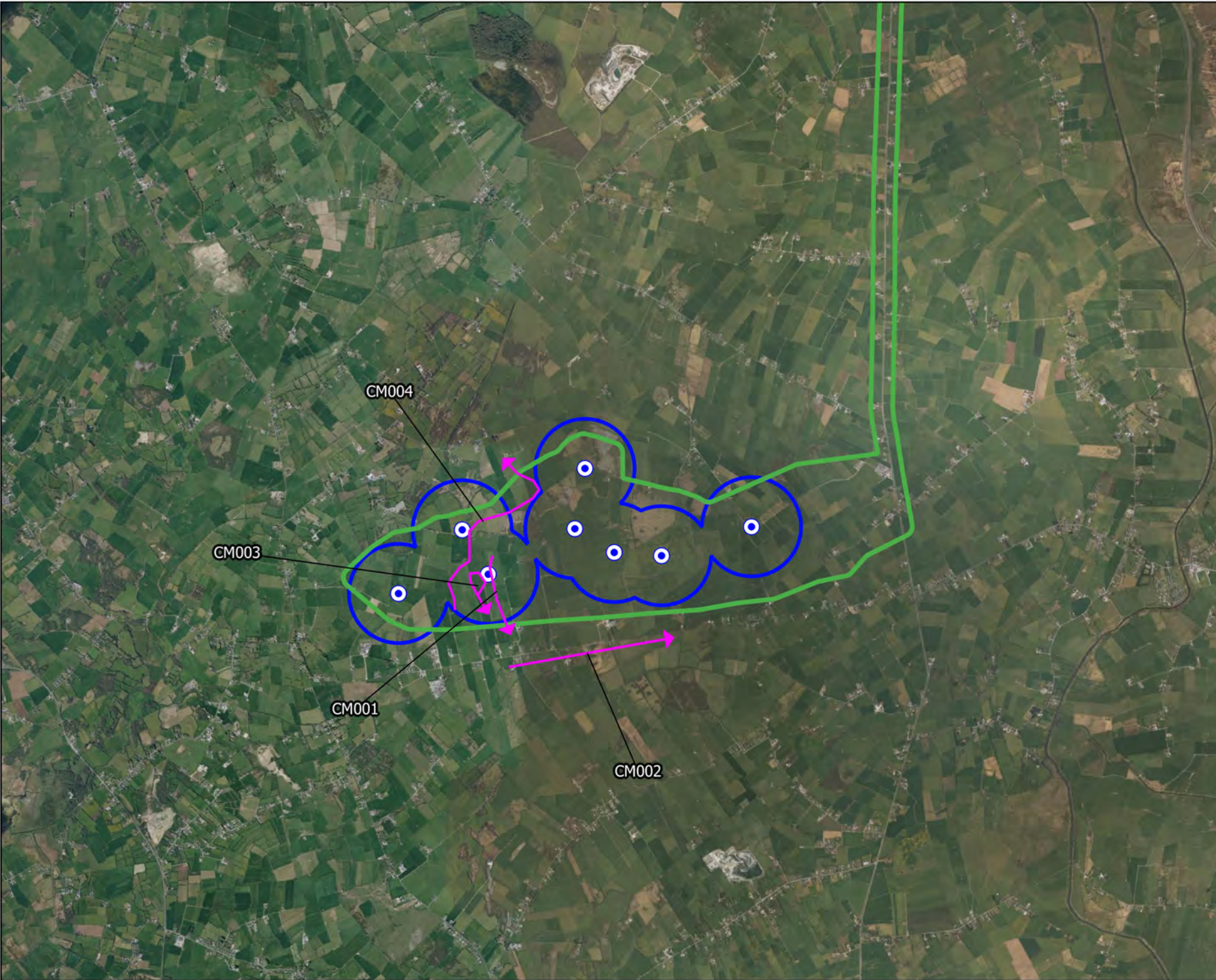
Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
CM001	VP1	02/03/2022	12:47	Common Gull	170	152	12	140	0	0	improved agricultural grassland; flying over	JF
CM002	VP1	02/03/2022	13:04	Common Gull	170	0	0	0	0	0	improved agricultural grassland; flying over	JF
CM003	VP1	02/03/2022	14:01	Common Gull	40	120	20	100	0	0	improved agricultural grassland; flying over, large flock only some visible, seemed to be following tractor which was slurry spreading.	JF
CM004	VP1	02/03/2022	14:20	Common Gull	250	258	10	140	108	0	improved agricultural grassland; flying over	JF

Table 7-4-20 Common Gull Winter Walkover Survey data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
CM001	25/02/2021	14:41	Common Gull	50	improved agricultural grassland; flew off southwest on buzzard approach	MP

Table 7-4-21 Common Gull Waterbird Distribution and Abundance Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
CM001	Belclare Turlough	15/04/2021	10:25	Common Gull	3	turloughs; flew from north, landed by turlough	MP
CM002	Annaghdown pier	14/05/2021	12:54	Common Gull	2	dystrophic lakes; perched on rock	TR
CM003	Lough Hacket	14/05/2021	16:22	Common Gull	2	lakes and ponds; pair sitting in rock	TR
CM004	Annaghdown Pier	28/05/2021	15:45	Common Gull	17	lakes and ponds; roosting	TR
CM005	Pollnahallia	29/10/2021	11:35	Common Gull	5	turloughs; terrestrial	JK
CM006	Arrowconlaun	01/02/2022	14:58	Common Gull	2	improved agricultural grassland; feeding	ZE
CM007	Lough Hacket	02/02/2022	15:20	Common Gull	60	improved agricultural grassland; feeding	ZE
CM008	Annaghdown Pier	03/02/2022	12:19	Common Gull	6	improved agricultural grassland and lakes and ponds; flying	ZE
CM009	Lough Hacket	14/02/2022	15:25	Common Gull	10	improved agricultural grassland and lakes and ponds; feeding	ZE
CM010	Annaghdown pier	15/02/2022	13:44	Common Gull	8	lakes and ponds, improved agricultural grassland and semi-natural woodland; flying	ZE
CM011	Lough Hacket	10/03/2022	11:16	Common Gull	28	improved agricultural grassland and lakes and ponds; soaring and circling	NL
CM012	Cloonmore Bridge	10/03/2022	13:29	Common Gull	1	depositing/lowland rivers; flying	NL



Map Legend

- EIAR Site Boundary
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- 500m Radius of Turbines
- Flight Observation

CM004

CM003

CM001

CM002



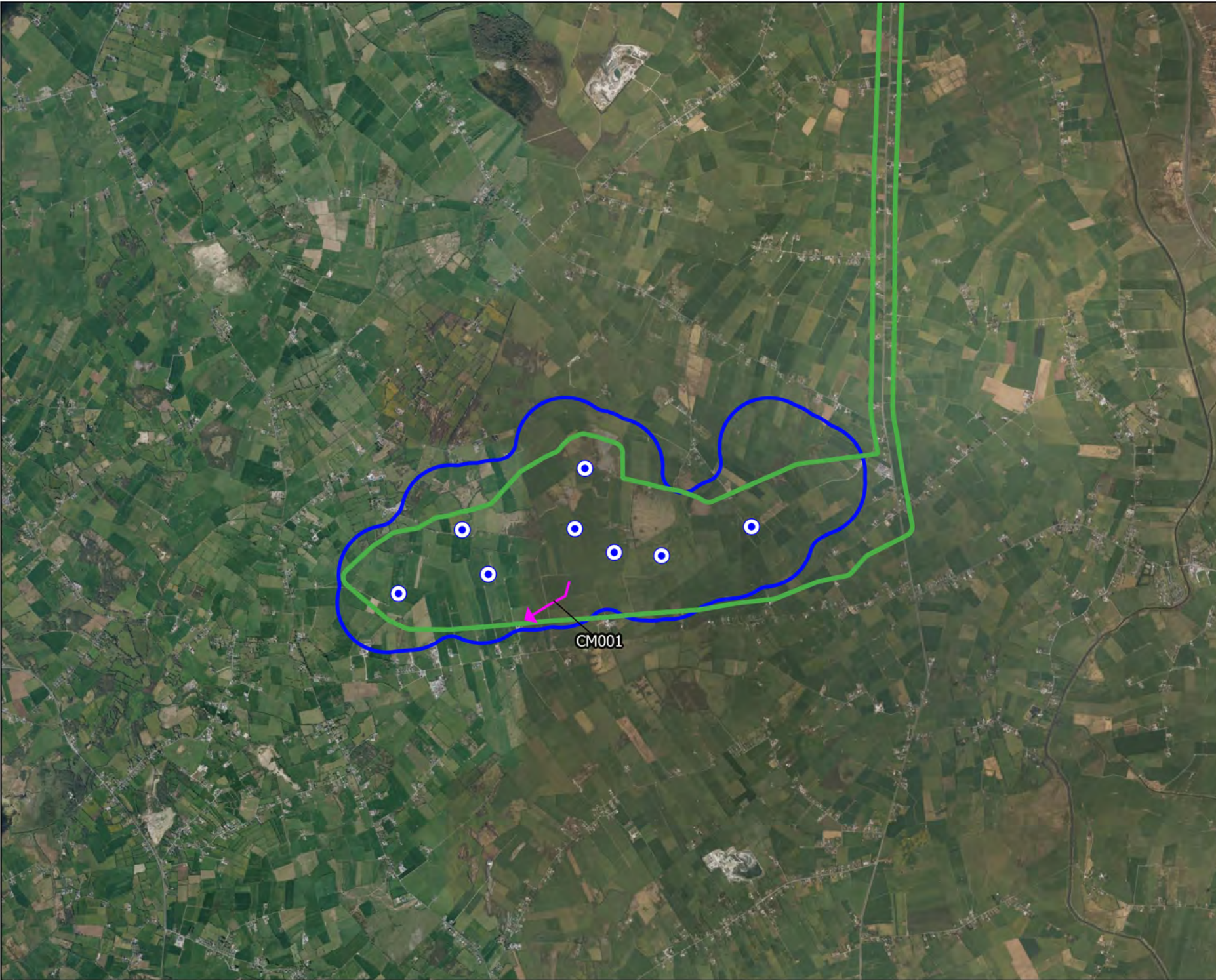
Drawing Title:
**Common Gull Observations
Vantage Point Surveys**

Project Title:
Laurclavagh Renewable Energy Development


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Map Legend

-  EIAR Site Boundary
-  Proposed Turbine Locations
-  500m Survey Area
-  Flight Observation



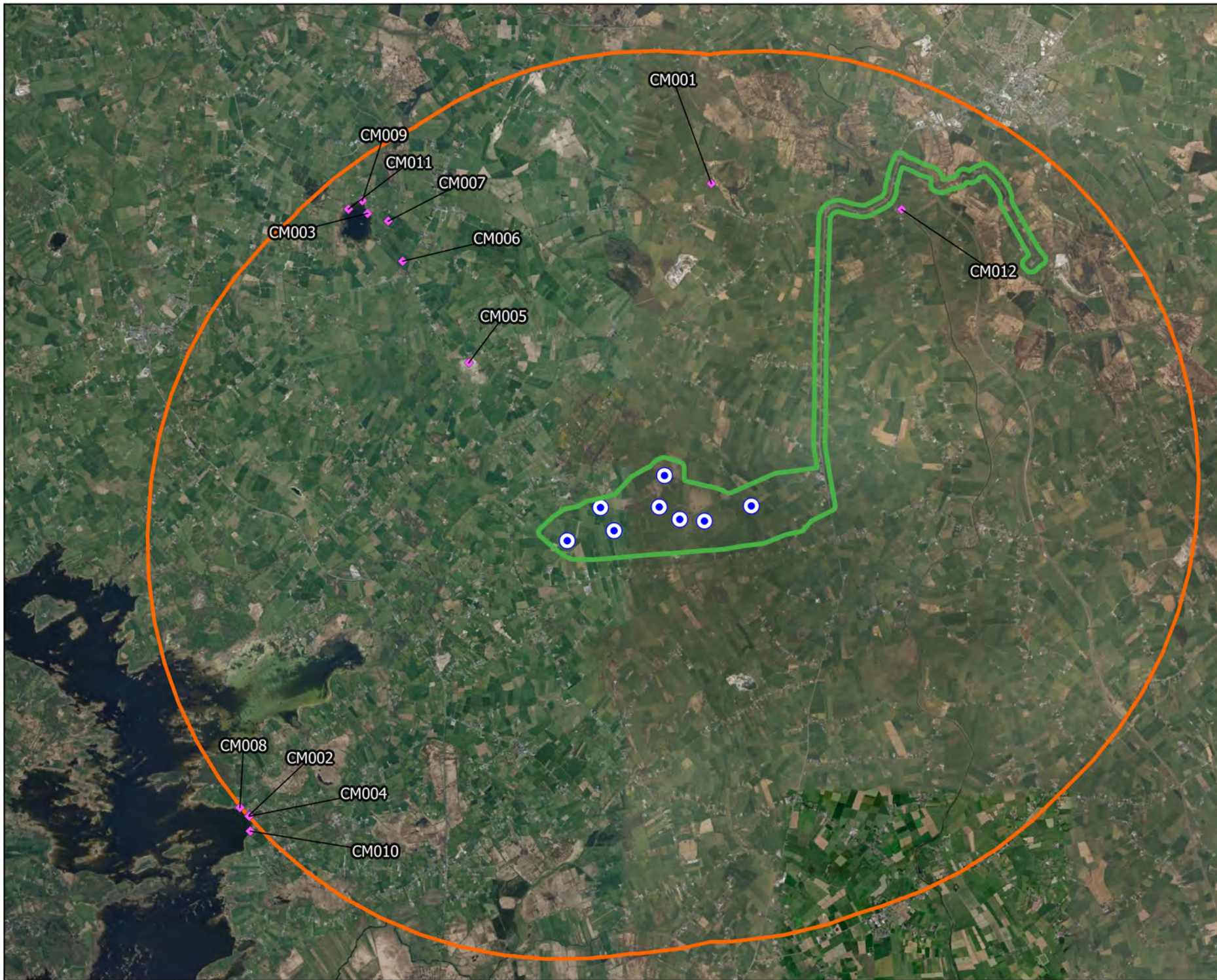
Drawing Title:
**Common Gull Observations
 Winter Walkover Surveys**

Project Title:
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Drawn By: KS	Checked By: PM
Project No.: 210627	Drawing No.: 7-4-20
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- 8km Survey Area
- ◆ Observation



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Common Gull Observations
Waterbird Distribution and Abundance Surveys

Project Title:

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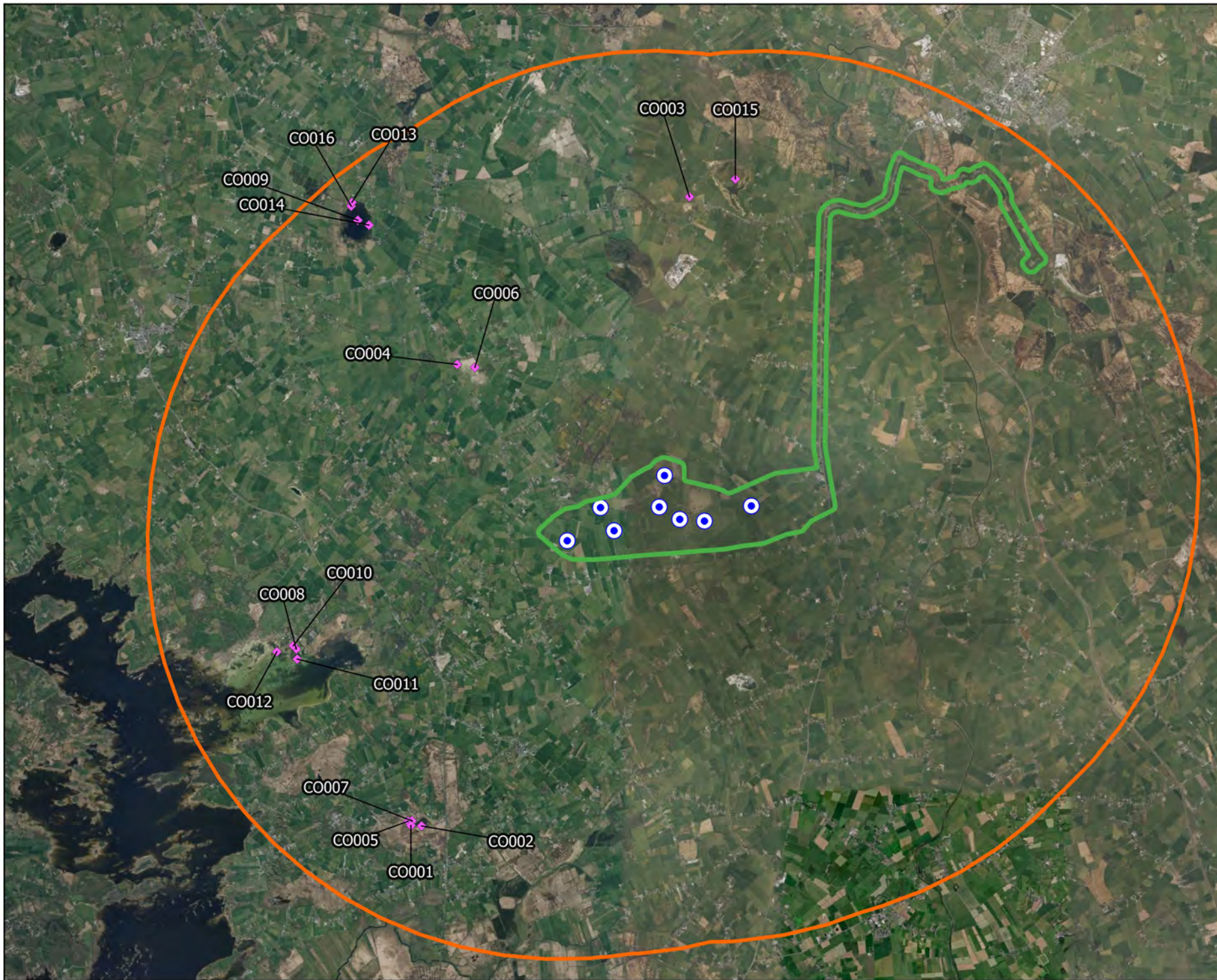
COOT

Table 7-4-22 Coot Waterbird Distribution and Abundance Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
CO001	Lough Afoor	07/01/2021	14:49	Coot	1	marsh; in reeds	MP
CO002	Lough Afoor	22/01/2021	10:11	Coot	1	marsh; on water	MP
CO003	Belclare Turlough	09/02/2021	14:22	Coot	1	turloughs; feeding	MP
CO004	Bohercull Turlough	09/02/2021	14:48	Coot	1	turloughs; feeding	MP
CO005	Lough Afoor	23/02/2021	16:27	Coot	13	marsh; feeding	MP
CO006	Bohercull Turlough	01/04/2021	11:25	Coot	1	turloughs; foraging	MP
CO007	Lough Afoor	01/04/2021	12:55	Coot	2	marsh; feeding	MP
CO008	Luimnagh Pier	14/05/2021	15:24	Coot	1	lakes and ponds; swimming	TR
CO009	Lough Hacket	14/05/2021	16:26	Coot	1	lakes and ponds; swimming	TR
CO010	Luimnagh	28/05/2021	16:38	Coot	1	lakes and ponds; roosting	TR
CO011	Luimnagh Pier	29/10/2021	12:09	Coot	3	mesotrophic lakes; on water	JK
CO012	Lough Corrib	09/12/2021	10:26	Coot	1	lakes and ponds; calling	PM
CO013	Lough Hacket	14/02/2022	15:26	Coot	4	lakes and ponds; feeding, swimming	ZE
CO014	Lough Hacket	10/03/2022	11:00	Coot	2	improved agricultural grassland and lakes and ponds; feeding	NL
CO015	Belclare Turlough	10/03/2022	11:56	Coot	1	turloughs; swimming	NL
CO016	Lough Hacket	25/03/2022	12:54	Coot	1	dystrophic lakes and reed and large sedge swamps; foraging, spotted in reeds	ZOC

Table 7-4-23 Coot Incidental Observations

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
CO001	Hen Harrier Roost Survey; Cluidrevagh	01/02/2022	17:04	Coot	1	improved agricultural grassland; flying	ZE



Map Legend

- EIAR Site Boundary
- Proposed Turbine Locations
- 8km Survey Area
- ◆ Observation



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Drawing Title:
Coot Observations
Waterbird Distribution and Abundance Surveys

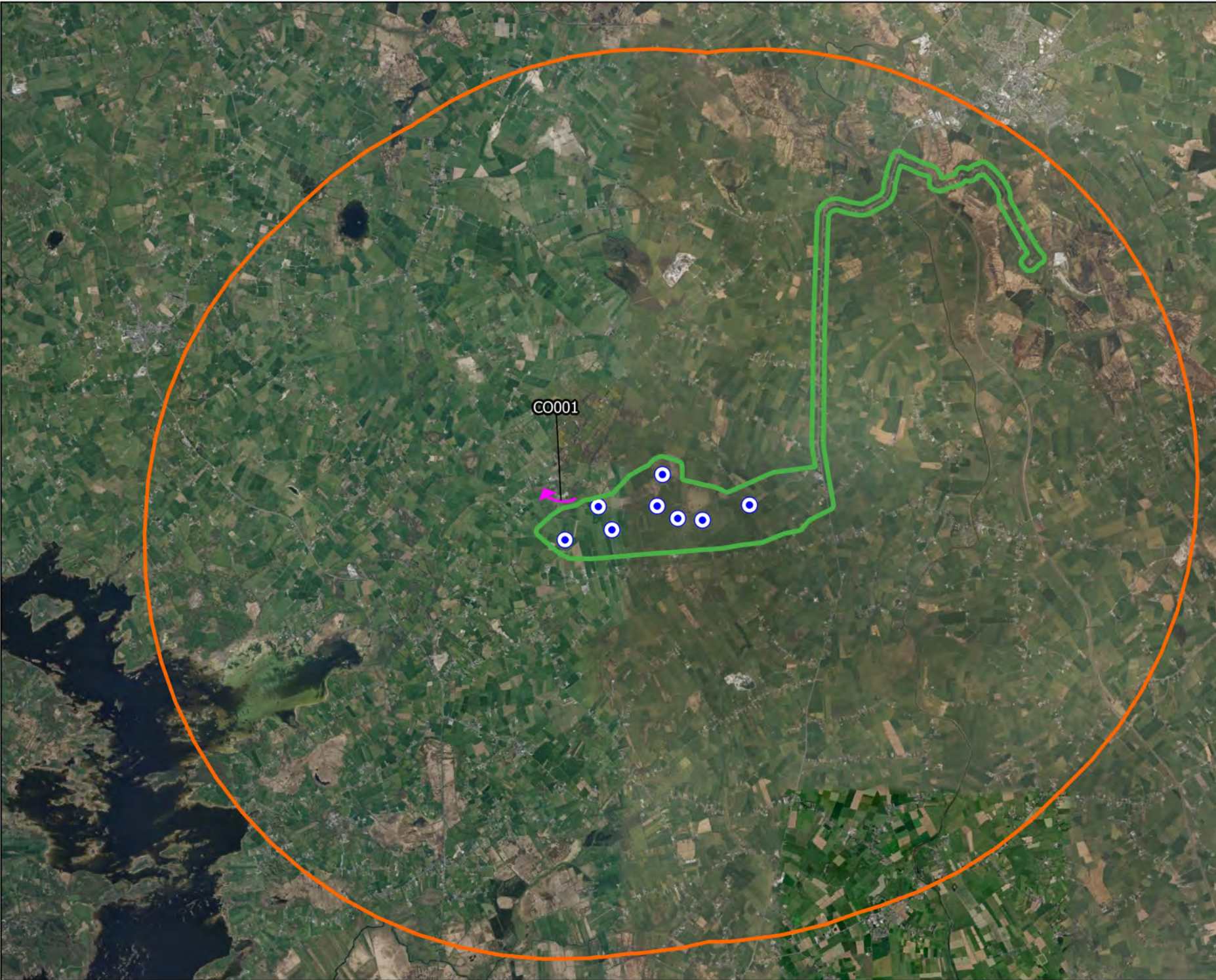
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- ### Map Legend
-  EIA Site Boundary
 -  Proposed Turbine Locations
 -  8km Survey Area
 -  Observation

CO001



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Coot Observations Incidental Observations	
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10.

LESSER BLACK-BACKED GULL

Table 7-4-24 Lesser Black-backed Gull 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
LB001	VP2	21/04/2020	17:18	Lesser Black-backed Gull	2	140	0	40	100	0	improved agricultural grassland; soaring/circling	MP
LB002	VP2	21/04/2020	18:44	Lesser Black-backed Gull	1	53	0	0	53	0	improved agricultural grassland; travelling west	MP
LB003	VP2	21/04/2020	19:15	Lesser Black-backed Gull	2	122	0	5	117	0	improved agricultural grassland and mixed broadleaved woodland; travelling south, soared down behind woods, possibly landing	MP
LB004	VP1	22/04/2020	17:02	Lesser Black-backed Gull	1	40	0	0	40	0	improved agricultural grassland; travelling east	MP
LB005	VP1	22/04/2020	17:58	Lesser Black-backed Gull	1	65	0	65	0	0	improved agricultural grassland; travelling north	MP
LB006	VP2	15/05/2020	07:42	Lesser Black-backed Gull	3	100	0	0	100	0	improved agricultural grassland; flying north	MP
LB007	VP2	15/05/2020	08:29	Lesser Black-backed Gull	1	49	0	0	49	0	improved agricultural grassland; flying northeast	MP
LB008	VP2	15/05/2020	08:35	Lesser Black-backed Gull	2	52	0	0	52	0	improved agricultural grassland; flying ne - same route	MP
LB009	VP2	15/05/2020	10:54	Lesser Black-backed Gull	1	15	0	0	15	0	improved agricultural grassland; flying over grassland, heading southwest	MP
LB010	VP1	28/05/2020	05:05	Lesser Black-backed Gull	1	22	0	22	0	0	improved agricultural grassland; travelling northeast	MP
LB011	VP1	28/05/2020	05:38	Lesser Black-backed Gull	1	20	0	0	20	0	improved agricultural grassland; travelling east north east	MP
LB012	VP1	28/05/2020	07:11	Lesser Black-backed Gull	1	42	0	42	0	0	improved agricultural grassland; travelling east	MP
LB013	VP2	11/06/2020	11:07	Lesser Black-backed Gull	1	70	0	70	0	0	improved agricultural grassland; flying/soaring northeast	MP
LB014	VP2	11/06/2020	12:05	Lesser Black-backed Gull	1	22	0	22	0	0	improved agricultural grassland; flying/soaring west	MP
LB015	VP2	11/06/2020	12:20	Lesser Black-backed Gull	1	92	0	0	92	0	improved agricultural grassland; flying northeast	MP

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
LB016	VP2	11/06/2020	12:34	Lesser Black-backed Gull	1	29	29	0	0	0	improved agricultural grassland; flying north low over grassland	MP
LB017	VP2	11/06/2020	13:51	Lesser Black-backed Gull	1	66	0	0	66	0	improved agricultural grassland; flying north	MP
LB018	VP2	11/06/2020	14:49	Lesser Black-backed Gull	2	122	0	47	75	0	improved agricultural grassland; flying/soaring west, turned north	MP
LB019	VP2	11/06/2020	15:04	Lesser Black-backed Gull	1	47	0	0	47	0	improved agricultural grassland; flying west	MP
LB020	VP1	25/06/2020	11:49	Lesser Black-backed Gull	2	190	0	0	190	0	improved agricultural grassland and dry calcareous and neutral grassland; circling/flying	MP
LB021	VP1	25/06/2020	12:37	Lesser Black-backed Gull	2	390	0	0	390	0	improved agricultural grassland and dry calcareous and neutral grassland; pair circling widely over grassland	MP
LB022	VP1	25/06/2020	13:48	Lesser Black-backed Gull	1	27	0	27	0	0	improved agricultural grassland; flew west	MP
LB023	VP1	25/06/2020	15:34	Lesser Black-backed Gull	1	19	19	0	0	0	improved agricultural grassland and dry calcareous and neutral grassland; flew west	MP
LB024	VP1	16/07/2020	11:14	Lesser Black-backed Gull	1	68	0	0	68	0	improved agricultural grassland and dry calcareous and neutral grassland; flying northwest	MP
LB025	VP1	16/07/2020	11:24	Lesser Black-backed Gull	4	45	0	0	45	0	improved agricultural grassland and dry calcareous and neutral grassland; flying northwest	MP
LB026	VP1	16/07/2020	11:55	Lesser Black-backed Gull	12	30	0	30	0	0	improved agricultural grassland; calling while flying over freshly-cut grassland	MP
LB027	VP1	16/07/2020	14:45	Lesser Black-backed Gull	1	161	0	120	41	0	improved agricultural grassland and dry calcareous and neutral grassland; flying southwest	MP
LB028	VP1	01/09/2020	17:12	Lesser Black-backed Gull	1	8	0	0	8	0	improved agricultural grassland; travelling southwest	MP
LB029	VP1	29/10/2020	12:31	Lesser Black-backed Gull	1	15	0	15	0	0	improved agricultural grassland; flying	MP
LB030	VP1	12/03/2021	07:34	Lesser Black-backed Gull	1	24	0	24	7	0	improved agricultural grassland; travelling west	MP

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
LB031	VP1	12/03/2021	07:44	Lesser Black-backed Gull	6	18	0	18	0	0	improved agricultural grassland; travelling west	MP
LB032	VP1	12/03/2021	07:50	Lesser Black-backed Gull	4	105	0	0	105	0	improved agricultural grassland; circling, calling	MP
LB033	VP1	12/03/2021	08:35	Lesser Black-backed Gull	1	15	15	0	0	0	improved agricultural grassland; travelling west	MP
LB034	VP1	12/03/2021	09:23	Lesser Black-backed Gull	1	42	0	42	0	0	improved agricultural grassland; travelling	MP
LB035	VP1	12/03/2021	09:52	Lesser Black-backed Gull	1	20	20	0	0	0	improved agricultural grassland; travelling	MP
LB036	VP1	12/03/2021	10:43	Lesser Black-backed Gull	1	15	0	0	15	0	improved agricultural grassland; soaring	MP
LB037	VP2	07/04/2021	15:06	Lesser Black-backed Gull	1	20	20	0	0	0	grassland; flying	PT
LB038	VP2	07/04/2021	15:08	Lesser Black-backed Gull	1	55	55	0	0	0	grassland; flying	PT
LB039	VP2	07/04/2021	15:13	Lesser Black-backed Gull	1	85	85	0	0	0	grassland; flying, adult	PT
LB040	VP2	07/04/2021	15:30	Lesser Black-backed Gull	1	50	50	0	0	0	grassland; flying, adult	PT
LB041	VP2	07/04/2021	15:44	Lesser Black-backed Gull	1	11	6	5	0	0	grassland; flying, adult; dropped down	PT
LB042	VP2	07/04/2021	16:02	Lesser Black-backed Gull	8	5	5	0	0	0	grassland; circling, lesser black-backed and herring gull recorded. all/mostly lesser black-backed; quantity approximate; rose up, quickly dropped down out of sight	PT
LB043	VP2	07/04/2021	16:02	Lesser Black-backed Gull	1	27	27	0	0	0	grassland; flying, adult	PT
LB044	VP2	07/04/2021	16:41	Lesser Black-backed Gull	5	80	80	0	0	0	grassland; circling	PT
LB045	VP2	07/04/2021	17:16	Lesser Black-backed Gull	1	140	140	0	0	0	grassland; flying	PT
LB046	VP2	07/04/2021	17:21	Lesser Black-backed Gull	2	120	0	0	120	0	grassland and arable crops; flying, adults	PT
LB047	VP2	07/04/2021	17:23	Lesser Black-backed Gull	1	45	0	0	45	0	grassland; flying	PT

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
LB048	VP2	07/04/2021	17:24	Lesser Black-backed Gull	4	90	0	0	90	0	grassland; circling	PT
LB049	VP2	07/04/2021	17:26	Lesser Black-backed Gull	4	150	0	0	150	0	grassland; circling	PT
LB050	VP2	07/04/2021	17:32	Lesser Black-backed Gull	2	160	0	60	100	0	grassland; flying	PT
LB051	VP2	07/04/2021	18:19	Lesser Black-backed Gull	5	40	0	0	40	0	grassland; circling	PT
LB052	VP2	07/04/2021	18:20	Lesser Black-backed Gull	2	110	0	0	110	0	grassland and arable crops; flying	PT
LB053	VP2	07/04/2021	18:20	Lesser Black-backed Gull	3	110	0	0	110	0	grassland; flying	PT
LB054	VP2	07/04/2021	18:44	Lesser Black-backed Gull	1	65	0	0	15	0	grassland; flying, adult/subadult	PT
LB055	VP2	07/04/2021	18:48	Lesser Black-backed Gull	2	150	0	40	55	0	grassland; flying, adults	PT
LB056	VP2	07/04/2021	18:49	Lesser Black-backed Gull	1	100	0	0	90	0	grassland; flying, adult	PT
LB057	VP2	07/04/2021	19:14	Lesser Black-backed Gull	1	85	0	85	0	0	grassland; flying, adult	PT
LB058	VP2	07/04/2021	19:21	Lesser Black-backed Gull	2	140	0	120	0	0	grassland; flying	PT
LB059	VP2	07/04/2021	19:22	Lesser Black-backed Gull	2	100	0	0	70	0	grassland; flying	PT
LB060	VP2	07/04/2021	19:23	Lesser Black-backed Gull	2	80	0	30	30	0	grassland; flying	PT
LB061	VP2	07/04/2021	19:42	Lesser Black-backed Gull	4	135	135	0	0	0	grassland and arable crops; flying	PT
LB062	VP2	07/04/2021	20:15	Lesser Black-backed Gull	1	170	0	45	105	0	grassland; flying, adult	PT
LB063	VP2	02/05/2021	06:08	Lesser Black-backed Gull	1	100	100	0	0	0	grassland; flying, adult/subadult	PT
LB064	VP2	02/05/2021	06:48	Lesser Black-backed Gull	1	130	0	0	100	0	grassland; flying, adult	PT
LB065	VP2	02/05/2021	07:19	Lesser Black-backed Gull	1	225	0	135	90	0	grassland; flying, adult/subadult	PT

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
LB066	VP2	02/05/2021	07:41	Lesser Black-backed Gull	1	130	0	0	65	0	grassland; flying, adult	PT
LB067	VP2	02/05/2021	07:56	Lesser Black-backed Gull	1	125	0	0	125	0	grassland; flying	PT
LB068	VP2	02/05/2021	08:02	Lesser Black-backed Gull	1	210	0	0	210	0	grassland; flying	PT
LB069	VP2	02/05/2021	08:03	Lesser Black-backed Gull	1	160	0	0	160	0	grassland; flying	PT
LB070	VP2	02/05/2021	08:04	Lesser Black-backed Gull	1	110	0	0	110	0	grassland; flying	PT
LB071	VP2	02/05/2021	08:46	Lesser Black-backed Gull	1	100	0	0	100	0	grassland; flying	PT
LB072	VP2	02/05/2021	08:49	Lesser Black-backed Gull	1	230	0	0	190	0	grassland; flying	PT
LB073	VP2	02/05/2021	09:45	Lesser Black-backed Gull	1	225	0	40	185	0	grassland; circling then drifted	PT
LB074	VP2	02/05/2021	09:45	Lesser Black-backed Gull	1	150	0	0	90	60	grassland; circling	PT
LB075	VP2	03/06/2021	06:37	Lesser Black-backed Gull	3	120	120	0	0	0	grassland; flight, subadult/immatures	PT
LB076	VP2	03/06/2021	06:45	Lesser Black-backed Gull	1	11	11	0	0	0	arable crops; joined a second lesser black-backed gull in field, adult	PT
LB077	VP2	03/06/2021	07:04	Lesser Black-backed Gull	1	55	10	45	0	0	grassland and arable crops; dropped to arable field	PT
LB078	VP2	03/06/2021	07:18	Lesser Black-backed Gull	1	45	45	0	0	0	arable crops; dropped to arable field	PT
LB079	VP2	03/06/2021	07:21	Lesser Black-backed Gull	1	65	65	0	0	0	arable crops; circling, dropped to arable field	PT
LB080	VP2	03/06/2021	07:30	Lesser Black-backed Gull	1	80	0	0	80	0	grassland; flight	PT
LB081	VP2	03/06/2021	07:50	Lesser Black-backed Gull	1	230	20	190	0	0	grassland and arable crops; flight	PT
LB082	VP2	03/06/2021	07:50	Lesser Black-backed Gull	1	230	0	60	150	0	grassland and arable crops; flight	PT
LB083	VP2	03/06/2021	08:23	Lesser Black-backed Gull	1	200	0	0	200	0	grassland; flight	PT

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
LB084	VP2	03/06/2021	08:53	Lesser Black-backed Gull	1	120	0	0	120	0	grassland; flight	PT
LB085	VP2	03/06/2021	10:36	Lesser Black-backed Gull	1	100	90	10	0	0	grassland; flight, adult/subadult	PT
LB086	VP2	03/06/2021	10:59	Lesser Black-backed Gull	1	120	0	0	120	0	grassland; flight, adult	PT
LB087	VP2	03/06/2021	11:33	Lesser Black-backed Gull	1	240	0	0	240	0	grassland and marsh; circling, adult/subadult	PT
LB088	VP2	03/06/2021	11:48	Lesser Black-backed Gull	2	30	30	0	0	0	grassland; dropped to field	PT
LB089	VP2	03/06/2021	12:47	Lesser Black-backed Gull	1	75	0	0	75	0	grassland; flight	PT
LB090	VP2	01/07/2021	15:06	Lesser Black-backed Gull	1	320	0	0	280	0	grassland; flying/circling, adult/subadult	PT
LB091	VP2	01/07/2021	15:58	Lesser Black-backed Gull	1	190	110	80	0	0	grassland; flying, adult	PT
LB092	VP2	01/07/2021	16:32	Lesser Black-backed Gull	1	260	0	0	125	0	grassland; initially circling, adult/subadult	PT
LB093	VP2	01/07/2021	16:41	Lesser Black-backed Gull	1	190	0	90	100	0	grassland; direct flight then circled to northeast, adult/subadult	PT
LB094	VP2	01/07/2021	16:59	Lesser Black-backed Gull	1	165	0	90	75	0	grassland; flying, adult/subadult	PT
LB095	VP2	18/08/2021	10:28	Lesser Black-backed Gull	1	14	0	0	14	0	improved agricultural grassland; not sure where it came from, picked up over viewshed. disappeared behind vantage point.	PDC
LB096	VP1	24/08/2021	09:32	Lesser Black-backed Gull	1	26	0	0	26	0	improved agricultural grassland; travelling, juvenile, very dark brown, flew straight past vantage point.	PDC
LB097	VP1	16/09/2021	15:31	Lesser Black-backed Gull	1	95	0	95	0	0	improved agricultural grassland and hedgerows; travelling, flew low across viewshed east to west. lost in distance behind treeline	PDC
LB098	VP2	29/10/2021	11:20	Lesser Black-backed Gull	1	100	0	0	100	0	improved agricultural grassland; travelling	PM

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
LB099	VP2	29/10/2021	12:28	Lesser Black-backed Gull	3	240	0	0	240	0	improved agricultural grassland; travelling	PM
LB100	VP2	29/10/2021	13:46	Lesser Black-backed Gull	6	200	0	0	150	0	improved agricultural grassland; travelling	PM
LB101	VP1	13/01/2022	12:05	Lesser Black-backed Gull	1	90	0	0	90	0	improved agricultural grassland; fly through north	JF
LB102	VP1	13/01/2022	13:24	Lesser Black-backed Gull	1	30	0	0	30	0	improved agricultural grassland; flying	JF
LB103	VP1	13/01/2022	14:50	Lesser Black-backed Gull	1	30	0	0	30	0	improved agricultural grassland; flying	JF
LB104	VP1	14/02/2022	08:25	Lesser Black-backed Gull	3	67	0	67	0	0	improved agricultural grassland; flying	JF
LB105	VP1	14/02/2022	09:00	Lesser Black-backed Gull	2	20	0	20	0	0	improved agricultural grassland; flying	JF
LB106	VP1	02/03/2022	12:36	Lesser Black-backed Gull	1	117	0	40	77	0	improved agricultural grassland; adult	JF
LB107	VP2	16/03/2022	16:25	Lesser Black-backed Gull	1	79	0	20	9	50	improved agricultural grassland; flying	JF
LB108	VP2	16/03/2022	16:59	Lesser Black-backed Gull	1	65	0	25	40	0	improved agricultural grassland; flying	JF
LB109	VP1	14/04/2023	06:38	Lesser Black-backed Gull	2	150	0	0	150	0	improved agricultural grassland; commuting	PM
LB110	VP1	14/04/2023	06:45	Lesser Black-backed Gull	1	173	0	0	173	0	improved agricultural grassland; commuting	PM
LB111	VP1	14/04/2023	06:57	Lesser Black-backed Gull	8	340	0	40	300	0	improved agricultural grassland; circling, landed in field	PM
LB112	VP1	14/04/2023	07:16	Lesser Black-backed Gull	2	112	0	0	112	0	improved agricultural grassland; commuting	PM
LB113	VP1	14/04/2023	07:22	Lesser Black-backed Gull	6	130	0	0	130	0	improved agricultural grassland; commuting	PM
LB114	VP1	14/04/2023	07:31	Lesser Black-backed Gull	2	95	0	0	95	0	improved agricultural grassland; commuting	PM
LB115	VP1	14/04/2023	07:36	Lesser Black-backed Gull	2	44	0	0	44	0	improved agricultural grassland; commuting	PM
LB116	VP1	14/04/2023	07:42	Lesser Black-backed Gull	2	30	0	0	30	0	improved agricultural grassland; commuting	PM

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
LB117	VP1	14/04/2023	07:43	Lesser Black-backed Gull	1	70	0	70	0	0	improved agricultural grassland; commuting, landed in field	PM
LB118	VP1	14/04/2023	07:58	Lesser Black-backed Gull	1	78	0	0	78	0	improved agricultural grassland; commuting	PM
LB119	VP1	14/04/2023	08:12	Lesser Black-backed Gull	2	110	0	0	110	0	improved agricultural grassland; travelling	PM
LB120	VP1	14/04/2023	09:19	Lesser Black-backed Gull	4	171	0	71	100	0	improved agricultural grassland; circling	PM
LB121	VP1	14/04/2023	09:24	Lesser Black-backed Gull	1	40	0	40	0	0	improved agricultural grassland; circling	PM
LB122	VP1	14/04/2023	09:37	Lesser Black-backed Gull	1	100	0	0	100	0	improved agricultural grassland; travelling	PM
LB123	VP1	14/04/2023	10:42	Lesser Black-backed Gull	1	45	0	0	45	0	improved agricultural grassland; travelling	PM
LB124	VP1	14/04/2023	10:43	Lesser Black-backed Gull	1	111	0	0	111	0	improved agricultural grassland; travelling	PM
LB125	VP1	14/04/2023	12:04	Lesser Black-backed Gull	8	250	0	0	250	0	improved agricultural grassland; circling	PM
LB126	VP2	27/04/2023	06:07	Lesser Black-backed Gull	2	63	0	0	63	0	improved agricultural grassland; travelling	PM
LB127	VP2	27/04/2023	06:23	Lesser Black-backed Gull	1	43	0	0	43	0	improved agricultural grassland; travelling	PM
LB128	VP2	27/04/2023	06:32	Lesser Black-backed Gull	2	76	0	0	76	0	improved agricultural grassland; travelling	PM
LB129	VP2	27/04/2023	06:48	Lesser Black-backed Gull	2	69	0	0	69	0	improved agricultural grassland; travelling	PM
LB130	VP2	27/04/2023	06:54	Lesser Black-backed Gull	2	120	0	0	120	0	improved agricultural grassland; travelling	PM
LB131	VP2	27/04/2023	06:59	Lesser Black-backed Gull	1	24	0	24	0	0	improved agricultural grassland; travelling	PM
LB132	VP2	27/04/2023	07:35	Lesser Black-backed Gull	1	157	0	0	157	0	improved agricultural grassland; travelling	PM
LB133	VP2	27/04/2023	08:43	Lesser Black-backed Gull	1	100	0	0	100	0	improved agricultural grassland; travelling	PM
LB134	VP2	27/04/2023	08:55	Lesser Black-backed Gull	1	67	0	0	67	0	improved agricultural grassland; travelling	PM

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
LB135	VP2	27/04/2023	09:12	Lesser Black-backed Gull	19	25	25	0	0	0	improved agricultural grassland; circling then landed in field	PM
LB136	VP2	27/04/2023	09:29	Lesser Black-backed Gull	6	10	10	0	0	0	improved agricultural grassland; circling before landing again	PM
LB137	VP2	27/04/2023	10:05	Lesser Black-backed Gull	2	145	0	0	145	0	improved agricultural grassland; travelling	PM
LB138	VP2	27/04/2023	10:18	Lesser Black-backed Gull	2	15	0	15	0	0	improved agricultural grassland; travelling	PM
LB139	VP2	27/04/2023	10:36	Lesser Black-backed Gull	1	28	0	0	28	0	improved agricultural grassland; travelling	PM
LB140	VP2	27/04/2023	11:14	Lesser Black-backed Gull	1	60	0	0	60	0	improved agricultural grassland; travelling	PM
LB141	VP1	08/05/2023	16:19	Lesser Black-backed Gull	1	36	0	36	0	0	improved grassland; travelling	LDV
LB142	VP1	08/05/2023	16:32	Lesser Black-backed Gull	1	54	0	54	0	0	improved grassland; travelling	LDV
LB143	VP1	08/05/2023	17:11	Lesser Black-backed Gull	1	69	0	69	0	0	improved grassland; travelling	LDV
LB144	VP1	08/05/2023	17:46	Lesser Black-backed Gull	1	53	53	0	0	0	improved grassland; travelling	LDV
LB145	VP1	08/05/2023	18:26	Lesser Black-backed Gull	7	35	10	35	0	0	improved grassland; travelling, landed in a field	LDV
LB146	VP1	08/05/2023	19:31	Lesser Black-backed Gull	2	90	0	90	0	0	improved grassland; travelling	LDV
LB147	VP1	08/05/2023	20:05	Lesser Black-backed Gull	1	140	0	0	140	0	improved grassland; travelling	LDV
LB148	VP1	08/05/2023	20:08	Lesser Black-backed Gull	1	80	0	80	0	0	improved grassland; travelling	LDV
LB149	VP1	08/05/2023	20:19	Lesser Black-backed Gull	4	80	0	80	0	0	improved grassland; travelling	LDV
LB150	VP2	16/05/2023	17:05	Lesser Black-backed Gull	1	129	0	0	129	0	improved grassland; travelling	LDV
LB151	VP2	16/05/2023	17:44	Lesser Black-backed Gull	1	16	0	16	0	0	improved grassland; travelling	LDV
LB152	VP2	16/05/2023	20:27	Lesser Black-backed Gull	1	56	0	56	0	0	improved grassland; travelling	LDV

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
LB153	VP2	16/05/2023	20:34	Lesser Black-backed Gull	3	86	0	0	86	0	improved grassland; travelling	LDV
LB154	VP1	07/06/2023	10:30	Lesser Black-backed Gull	2	16	0	16	0	0	improved grassland; travelling	LDV
LB155	VP1	07/06/2023	10:36	Lesser Black-backed Gull	1	125	0	30	95	0	improved grassland; travelling	LDV
LB156	VP1	07/06/2023	10:49	Lesser Black-backed Gull	2	78	0	78	0	0	improved grassland; travelling	LDV
LB157	VP1	07/06/2023	10:53	Lesser Black-backed Gull	2	65	0	65	0	0	improved grassland; travelling	LDV
LB158	VP1	07/06/2023	14:27	Lesser Black-backed Gull	1	94	40	54	0	0	improved grassland; travelling	LDV
LB159	VP2	14/06/2023	07:57	Lesser Black-backed Gull	1	36	0	36	0	0	improved grassland; travelling	LDV
LB160	VP2	14/06/2023	12:03	Lesser Black-backed Gull	1	10	0	10	0	0	improved grassland; travelling	LDV
LB161	VP2	14/06/2023	12:26	Lesser Black-backed Gull	1	10	0	0	10	0	improved grassland; travelling	LDV
LB162	VP1	24/07/2023	07:00	Lesser Black-backed Gull	1	7	0	7	0	0	improved grassland; travelling	LDV
LB163	VP1	24/07/2023	07:01	Lesser Black-backed Gull	1	47	5	42	0	0	improved grassland; travelling	LDV
LB164	VP1	24/07/2023	07:21	Lesser Black-backed Gull	3	19	19	0	0	0	improved grassland; travelling	LDV
LB165	VP1	24/07/2023	07:35	Lesser Black-backed Gull	1	13	13	0	0	0	improved grassland; travelling	LDV
LB166	VP1	24/07/2023	07:41	Lesser Black-backed Gull	2	23	0	23	0	0	improved grassland; travelling	LDV
LB167	VP1	24/07/2023	07:47	Lesser Black-backed Gull	1	57	0	57	0	0	improved grassland; travelling	LDV
LB168	VP1	24/07/2023	07:47	Lesser Black-backed Gull	2	162	0	162	0	0	improved grassland; travelling	LDV
LB169	VP1	24/07/2023	07:59	Lesser Black-backed Gull	1	19	19	0	0	0	improved grassland; travelling	LDV
LB170	VP1	24/07/2023	08:05	Lesser Black-backed Gull	1	12	2	10	0	0	improved grassland; travelling	LDV

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
LB171	VP1	24/07/2023	08:14	Lesser Black-backed Gull	1	24	0	24	0	0	improved grassland; travelling	LDV
LB172	VP1	24/07/2023	08:47	Lesser Black-backed Gull	2	47	0	47	0	0	improved grassland; travelling	LDV
LB173	VP1	24/07/2023	08:47	Lesser Black-backed Gull	4	141	10	10	121	0	improved grassland; travelling	LDV
LB174	VP1	24/07/2023	09:01	Lesser Black-backed Gull	2	88	0	88	0	0	improved grassland; travelling	LDV
LB175	VP1	24/07/2023	09:33	Lesser Black-backed Gull	1	27	27	0	0	0	improved grassland; travelling	LDV
LB176	VP1	24/07/2023	09:42	Lesser Black-backed Gull	1	16	0	16	0	0	improved grassland; travelling	LDV
LB177	VP1	24/07/2023	10:23	Lesser Black-backed Gull	2	30	0	30	0	0	improved grassland; travelling	LDV
LB178	VP1	24/07/2023	10:30	Lesser Black-backed Gull	2	69	0	20	49	0	improved grassland; travelling	LDV
LB179	VP1	24/07/2023	10:40	Lesser Black-backed Gull	1	49	0	49	0	0	improved grassland; travelling	LDV
LB180	VP1	24/07/2023	10:41	Lesser Black-backed Gull	2	37	37	0	0	0	improved grassland; travelling	LDV
LB181	VP1	24/07/2023	10:42	Lesser Black-backed Gull	2	73	0	73	0	0	improved grassland; travelling	LDV
LB182	VP1	24/07/2023	10:53	Lesser Black-backed Gull	3	35	0	35	0	0	improved grassland; travelling	LDV
LB183	VP1	24/07/2023	11:00	Lesser Black-backed Gull	2	20	0	0	20	0	improved grassland; travelling	LDV
LB184	VP1	24/07/2023	11:01	Lesser Black-backed Gull	1	31	0	31	0	0	improved grassland; travelling	LDV
LB185	VP1	24/07/2023	11:01	Lesser Black-backed Gull	1	66	0	66	0	0	improved grassland; travelling	LDV
LB186	VP1	24/07/2023	11:03	Lesser Black-backed Gull	1	9	9	0	0	0	improved grassland; travelling	LDV
LB187	VP1	24/07/2023	11:05	Lesser Black-backed Gull	1	18	18	0	0	0	improved grassland; travelling	LDV
LB188	VP1	24/07/2023	11:06	Lesser Black-backed Gull	5	53	33	20	0	0	improved grassland; travelling	LDV

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
LB189	VP1	24/07/2023	11:09	Lesser Black-backed Gull	1	37	27	10	0	0	improved grassland; travelling	LDV
LB190	VP1	24/07/2023	11:12	Lesser Black-backed Gull	4	31	0	31	0	0	improved grassland; travelling	LDV
LB191	VP1	24/07/2023	11:16	Lesser Black-backed Gull	3	84	0	84	0	0	improved grassland; travelling	LDV
LB192	VP1	24/07/2023	11:20	Lesser Black-backed Gull	4	39	39	0	0	0	improved grassland; travelling	LDV
LB193	VP1	24/07/2023	11:24	Lesser Black-backed Gull	1	46	0	46	0	0	improved grassland; travelling	LDV
LB194	VP1	24/07/2023	11:43	Lesser Black-backed Gull	1	24	24	0	0	0	improved grassland; travelling	LDV
LB195	VP1	24/07/2023	11:49	Lesser Black-backed Gull	1	45	0	45	0	0	improved grassland and scrub/transitional woodland; travelling	LDV
LB196	VP1	24/07/2023	11:52	Lesser Black-backed Gull	50	40	0	0	40	0	grassland; travelling, they all flew off the same field	LDV
LB197	VP1	24/07/2023	11:55	Lesser Black-backed Gull	10	63	20	43	0	0	improved grassland; travelling	LDV
LB198	VP1	24/07/2023	11:59	Lesser Black-backed Gull	1	22	0	22	0	0	improved grassland; travelling	LDV
LB199	VP1	24/07/2023	12:12	Lesser Black-backed Gull	1	29	29	0	0	0	improved grassland; travelling	LDV
LB200	VP1	24/07/2023	12:14	Lesser Black-backed Gull	1	12	12	0	0	0	improved grassland; travelling	LDV
LB201	VP1	24/07/2023	12:34	Lesser Black-backed Gull	2	21	0	21	0	0	improved grassland; travelling	LDV
LB202	VP1	24/07/2023	12:48	Lesser Black-backed Gull	3	36	18	18	0	0	improved grassland; travelling	LDV
LB203	VP1	24/07/2023	12:50	Lesser Black-backed Gull	1	42	42	0	0	0	improved grassland; travelling	LDV
LB204	VP1	24/07/2023	13:11	Lesser Black-backed Gull	1	112	10	102	0	0	improved grassland; travelling	LDV
LB205	VP2	27/07/2023	08:30	Lesser Black-backed Gull	1	49	0	0	49	0	improved grassland; travelling	LDV
LB206	VP2	27/07/2023	08:45	Lesser Black-backed Gull	2	25	0	25	0	0	improved grassland; travelling	LDV

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
LB207	VP2	27/07/2023	08:46	Lesser Black-backed Gull	1	64	0	0	64	0	improved grassland; travelling	LDV
LB208	VP2	27/07/2023	12:22	Lesser Black-backed Gull	1	35	0	35	0	0	improved grassland and highly modified/non-native woodland; travelling	LDV
LB209	VP2	27/07/2023	12:24	Lesser Black-backed Gull	1	28	0	28	0	0	improved grassland and scrub/transitional woodland; travelling	LDV
LB210	VP1	09/08/2023	09:10	Lesser Black-backed Gull	1	42	0	42	0	0	improved grassland; travelling	LDV
LB211	VP1	09/08/2023	10:49	Lesser Black-backed Gull	1	93	0	50	43	0	improved grassland; travelling	LDV
LB212	VP1	05/09/2023	07:14	Lesser Black-backed Gull	1	105	0	105	0	0	improved grassland; travelling	LDV
LB213	VP1	05/09/2023	08:03	Lesser Black-backed Gull	1	71	0	71	0	0	improved grassland; travelling	LDV
LB214	VP1	05/09/2023	11:42	Lesser Black-backed Gull	1	54	34	20	0	0	improved grassland; travelling	LDV
LB215	VP1	05/09/2023	11:55	Lesser Black-backed Gull	3	87	0	0	87	0	improved grassland; travelling	LDV
LB216	VP2	28/09/2023	08:09	Lesser Black-backed Gull	1	57	0	57	0	0	improved grassland; travelling	LDV
LB217	VP2	28/09/2023	08:13	Lesser Black-backed Gull	8	84	0	0	84	0	improved grassland; travelling	LDV
LB218	VP2	28/09/2023	08:48	Lesser Black-backed Gull	7	165	0	0	165	0	improved grassland; travelling	LDV
LB219	VP2	28/09/2023	10:16	Lesser Black-backed Gull	1	116	0	116	0	0	improved grassland and scrub/transitional woodland; travelling	LDV
LB220	VP2	28/09/2023	10:20	Lesser Black-backed Gull	1	61	0	61	0	0	improved grassland and scrub/transitional woodland; traveling	LDV
LB221	VP2	28/09/2023	12:03	Lesser Black-backed Gull	7	36	0	0	36	0	improved grassland; travelling, observation stopped due to spotting if a kestrel	LDV

Table 7-4-25 Lesser Black-backed Gull Winter Walkover Survey data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
LB001	25/03/2021	15:00	Lesser Black-backed Gull	43	improved agricultural grassland; circling largely	MP

Table 7-4-26 Lesser Black-backed Gull Breeding Walkover Survey data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
LB001	26/06/2020	12:40	Lesser Black-backed Gull	3	improved agricultural grassland; soaring over grassland (flyover; non-breeding)	MP
LB002	25/06/2021	11:04	Lesser Black-backed Gull	1	improved agricultural grassland; flying (flyover; non-breeding)	MP
LB003	29/07/2021	09:15	Lesser Black-backed Gull	1	improved agricultural grassland; f (flyover; non-breeding)	MP
LB004	18/05/2023	09:37	Lesser Black-backed Gull	1	improved grassland; travelling (flyover; non-breeding)	LDV
LB005	18/05/2023	09:38	Lesser Black-backed Gull	2	improved grassland; travelling (flyover; non-breeding)	LDV
LB006	18/05/2023	10:38	Lesser Black-backed Gull	1	improved grassland; travelling (flyover; non-breeding)	LDV
LB007	18/05/2023	10:41	Lesser Black-backed Gull	4	improved grassland; travelling (flyover; non-breeding)	LDV
LB008	18/05/2023	11:31	Lesser Black-backed Gull	2	improved grassland; travelling (flyover; non-breeding)	LDV
LB009	06/06/2023	07:24	Lesser Black-backed Gull	1	improved grassland and scrub/transitional woodland; travelling (flyover; non-breeding)	LDV
LB010	06/06/2023	09:32	Lesser Black-backed Gull	1	scrub/transitional woodland and improved grassland; travelling (flyover; non-breeding)	LDV
LB011	11/07/2023	12:43	Lesser Black-backed Gull	2	improved grassland; travelling (flyover; non-breeding)	LDV
LB012	11/07/2023	14:17	Lesser Black-backed Gull	1	improved grassland; travelling (flyover; non-breeding)	LDV
LB013	11/07/2023	14:18	Lesser Black-backed Gull	1	improved grassland; travelling (flyover; non-breeding)	LDV

Table 7-4-27 Lesser Black-backed Gull Waterbird Distribution and Abundance Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
LB001	Lough Hacket	19/08/2020	15:00	Lesser Black-backed Gull	1	limestone/marl lakes; flying	JK
LB002	Lough Hacket	31/08/2020	16:08	Lesser Black-backed Gull	1	improved agricultural grassland; terrestrial	JK
LB003	Caherlea	04/09/2020	10:20	Lesser Black-backed Gull	2	wet grassland; flying + landing on river banks	MP
LB004	Belclare Turlough	16/12/2020	12:44	Lesser Black-backed Gull	1	turloughs; travelling	MP
LB005	Belclare Turlough	09/02/2021	14:09	Lesser Black-backed Gull	1	turloughs; perched	MP
LB006	Belclare Turlough	23/02/2021	14:56	Lesser Black-backed Gull	4	turloughs; terrestrial	MP
LB007	Belclare Turlough	04/03/2021	12:13	Lesser Black-backed Gull	7	turloughs; resting	MP
LB008	Lough Hacket	18/03/2021	15:50	Lesser Black-backed Gull	1	improved agricultural grassland; feeding	MP
LB009	Lough Hacket	01/04/2021	11:01	Lesser Black-backed Gull	2	lakes and ponds; flying	MP
LB010	Belclare Turlough	15/04/2021	10:26	Lesser Black-backed Gull	3	turloughs; resting with great black-backed gull	MP

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
LB011	Lough Hacket	15/04/2021	10:51	Lesser Black-backed Gull	2	lakes and ponds; on water	MP
LB012	Annaghdown Pier	14/05/2021	12:56	Lesser Black-backed Gull	12	lakes and ponds; sitting on rocks	TR
LB013	Luimnagh Pier	14/05/2021	15:23	Lesser Black-backed Gull	1	lakes and ponds; perched	TR
LB014	Killeelaun	14/05/2021	17:01	Lesser Black-backed Gull	2	improved agricultural grassland; flying	TR
LB015	Luimnagh	28/05/2021	16:42	Lesser Black-backed Gull	1	lakes and ponds; travelling	TR
LB016	Lough Hacket	28/05/2021	17:36	Lesser Black-backed Gull	2	lakes and ponds; travelling	TR
LB017	Annaghdown Pier	13/08/2021	11:41	Lesser Black-backed Gull	8	lakes and ponds; roosting, sitting on rocks	TR
LB018	Luimnagh	13/08/2021	11:49	Lesser Black-backed Gull	11	lakes and ponds; roosting	TR
LB019	Lough Hacket	13/08/2021	11:53	Lesser Black-backed Gull	5	lakes and ponds; roosting	TR
LB020	Lough Hacket	13/08/2021	11:54	Lesser Black-backed Gull	31	lakes and ponds; roosting	TR
LB021	Annaghdown Pier	20/08/2021	10:10	Lesser Black-backed Gull	1	lakes and ponds; travelling	TR
LB022	River Clare	20/08/2021	13:54	Lesser Black-backed Gull	1	lakes and ponds; travelling	TR
LB023	River Clare	20/08/2021	13:54	Lesser Black-backed Gull	1	lakes and ponds; travelling	TR
LB024	Corbally North	20/08/2021	14:32	Lesser Black-backed Gull	2	improved grassland; travelling	TR
LB025	Annaghdown Pier	28/09/2021	11:24	Lesser Black-backed Gull	1	lakes and ponds; roosting	TR
LB026	Luimnagh Pier	28/09/2021	12:13	Lesser Black-backed Gull	1	lakes and ponds; travelling	TR
LB027	Lough Hacket	28/09/2021	13:36	Lesser Black-backed Gull	41	lakes and ponds; roosting	TR
LB028	Belclare Turlough	29/10/2021	10:27	Lesser Black-backed Gull	2	turloughs; flying	JK
LB029	Turloughnaroy	08/12/2021	14:00	Lesser Black-backed Gull	2	turloughs; roosting	PM
LB030	Lough Corrib	16/12/2021	14:19	Lesser Black-backed Gull	2	lakes and ponds; roosting on signs	PM
LB031	Annaghdown Pier	02/02/2022	13:56	Lesser Black-backed Gull	2	lakes and ponds; resting	ZE
LB032	Daly's Bridge	25/03/2022	09:38	Lesser Black-backed Gull	5	dry calcareous and neutral grassland; flying, travelling overhead	ZOC
LB033	Belclare Turlough	25/03/2022	11:21	Lesser Black-backed Gull	26	turloughs; foraging	ZOC
LB034	Belclare Turlough	25/03/2022	11:22	Lesser Black-backed Gull	19	dry calcareous and neutral grassland and turloughs; roosting, roosting on water's edge	ZOC
LB035	Belclare Turlough	25/03/2022	11:32	Lesser Black-backed Gull	2	dry calcareous and neutral grassland and turloughs; roosting	ZOC
LB036	Belclare Turlough	03/08/2023	10:52	Lesser Black-backed Gull	13	turloughs; foraging	LDV
LB037	Lough Hacket	03/08/2023	11:38	Lesser Black-backed Gull	1	lakes and ponds; resting on a rock	LDV
LB038	Luimnagh Pier	03/08/2023	12:33	Lesser Black-backed Gull	1	lakes and ponds; travelling, flying west	LDV

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
LB039	Belclare Turlough	23/08/2023	11:38	Lesser Black-backed Gull	37	turloughs; resting & flying, including 5 juveniles	LDV
LB040	Lough Hacket	23/08/2023	11:59	Lesser Black-backed Gull	32	lakes and ponds; roosting on water, including 11 juveniles	LDV
LB041	Annaghdown pier	23/08/2023	13:42	Lesser Black-backed Gull	4	lakes and ponds; flying	LDV
LB042	Belclare Turlough	08/09/2023	09:48	Lesser Black-backed Gull	3	turloughs; travelling	LDV
LB043	Lough Hacket	08/09/2023	10:49	Lesser Black-backed Gull	23	lakes and ponds; flying & roosting	LDV
LB044	Luimnagh Pier	08/09/2023	11:51	Lesser Black-backed Gull	4	lakes and ponds; flying	LDV
LB045	Annaghdown pier	08/09/2023	12:23	Lesser Black-backed Gull	4	lakes and ponds; foraging	LDV
LB046	Belclare Turlough	26/09/2023	11:27	Lesser Black-backed Gull	2	turloughs; flying	LDV
LB047	Lough Hacket	26/09/2023	11:58	Lesser Black-backed Gull	11	lakes and ponds; roosting	LDV

Table 7-4-28 Lesser Black-backed Gull Incidental Observations

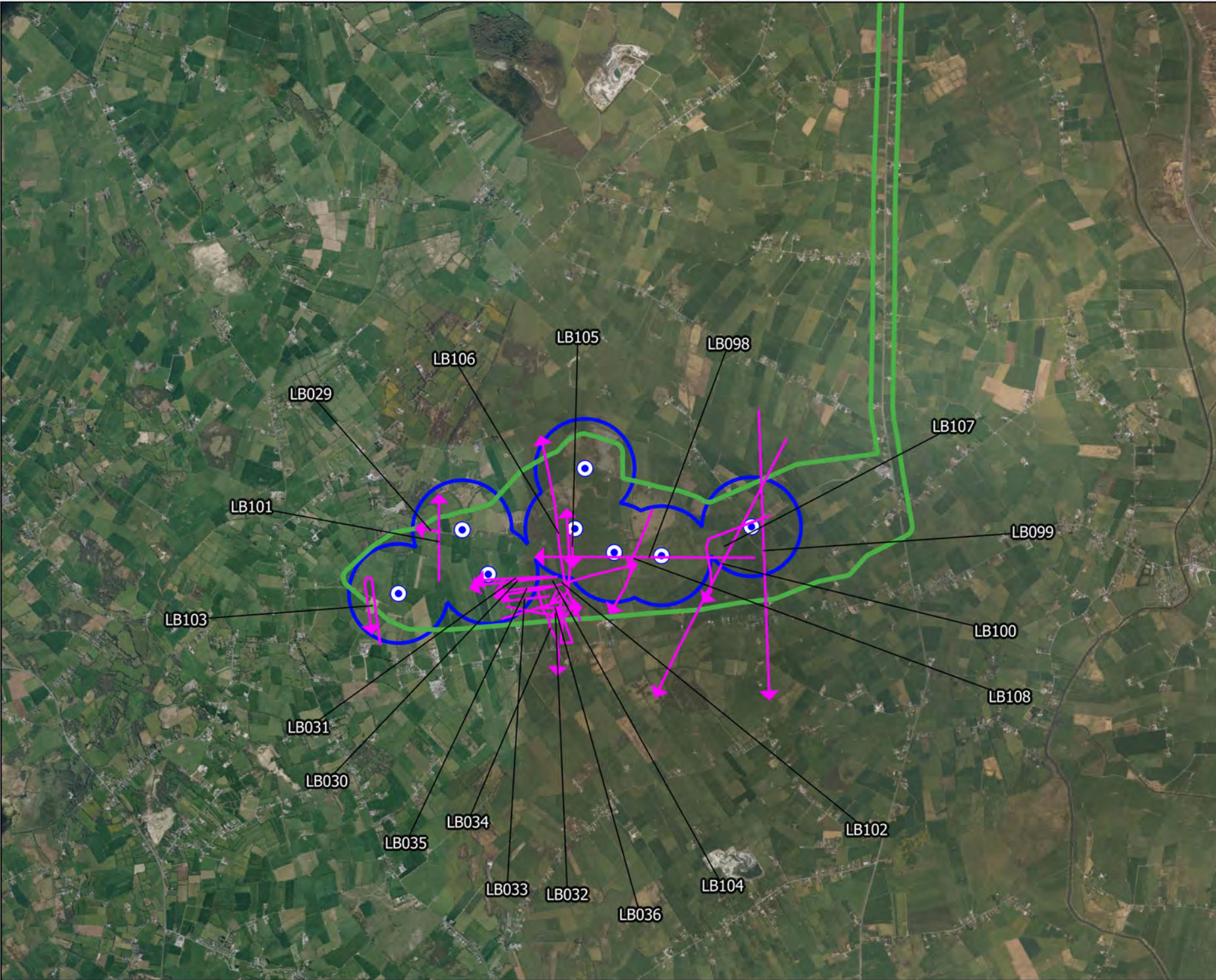
Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
LB001	Breeding Raptor Survey; south of site	28/04/2020		Lesser Black-Backed Gull	4	improved agricultural grassland; flying over/feeding	MP
LB002	Breeding Raptor Survey; East	07/05/2020		Lesser Black-Backed Gull	7	improved agricultural grassland; flying over	MP
LB003	Breeding Raptor Survey; RVP5	12/06/2020		Lesser Black-Backed Gull	1	improved agricultural grassland; soaring	MP
LB004	Breeding Raptor Survey; RVP7	19/06/2020		Lesser Black-Backed Gull	1	improved agricultural grassland; flying over	MP
LB005	Breeding Raptor Survey;	10/07/2020		Lesser Black-Backed Gull	1	improved agricultural grassland; flying at the potential collision height, towards n then turned s	MP
LB006	Breeding Raptor Survey;	17/07/2020		Lesser Black-Backed Gull	1	improved agricultural grassland; flew west	MP
LB007	Breeding Raptor Survey;	17/07/2020		Lesser Black-Backed Gull	1	improved agricultural grassland; flying over	MP
LB008	Breeding Raptor Survey; RVP3	12/05/2021	16:38	Lesser Black-Backed Gull	1	improved agricultural grassland; flying over	MP
LB009	Breeding Raptor Survey; RVP1	07/07/2021	10:35	Lesser Black-Backed Gull	1	improved agricultural grassland; circling	MP
LB010	Hen Harrier Roost Survey; HHVP2	09/12/2021	15:42	Lesser Black-Backed Gull	1	improved agricultural grassland; travelling	PM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
LB011	Hen Harrier Roost Survey; HHVP2	08/03/2022	17:51	Lesser Black-Backed Gull	1	dry calcareous and neutral grassland; travelling	ZOC
LB012	Hen Harrier Roost Survey; HHVP3	15/03/2022	18:50	Lesser Black-Backed Gull	10	dry calcareous and neutral grassland; travelling	ZOC
LB013	Breeding Raptor Survey; brvp1, Ballydolta West	03/04/2023	14:05	Lesser Black-Backed Gull	2	improved agricultural grassland; travelling flight, foraging	JG
LB014	Breeding Raptor Survey; brvp1	03/04/2023	14:13	Lesser Black-Backed Gull	1	improved agricultural grassland; travelling flight, juvenile	JG
LB015	Breeding Raptor Survey; brvp1, Biggera Beg	03/04/2023	14:53	Lesser Black-Backed Gull	2	improved agricultural grassland; travelling flight, foraging	JG
LB016	Breeding Raptor Survey; brvp1, Ballydotia West	03/04/2023	16:18	Lesser Black-Backed Gull	1	improved agricultural grassland; travelling flight	JG
LB017	Breeding Raptor Survey; brvp2, Cluidrevagh	03/04/2023	17:05	Lesser Black-Backed Gull	2	improved agricultural grassland; travelling flight	JG
LB018	Breeding Red Grouse Survey; brvp2, Cluidrevagh	03/04/2023	17:06	Lesser Black-Backed Gull	1	improved agricultural grassland; travelling flight	JG
LB019	Breeding Raptor Survey; brvp2, Cluidrevagh	03/04/2023	17:47	Lesser Black-Backed Gull	1	improved agricultural grassland; travelling flight	JG
LB020	Breeding Red Grouse Survey; brvp2, Cluidrevagh	03/04/2023	18:24	Lesser Black-Backed Gull	3	improved agricultural grassland; travelling flight, foraging	JG
LB021	Breeding Raptor Survey; brvp2, Cluidrevagh	03/04/2023	19:19	Lesser Black-Backed Gull	2	improved agricultural grassland; travelling flight	JG
LB022	Breeding Raptor Survey; brvp3, Glennaneeny	04/04/2023	12:49	Lesser Black-Backed Gull	4	improved agricultural grassland; travelling flight , foraging in grassland	JG
LB023	Breeding Raptor Survey; brvp3, Glennaneeny	04/04/2023	13:06	Lesser Black-Backed Gull	10	improved agricultural grassland; travelling flights	JG
LB024	Breeding Raptor Survey; brvp3, Glennaneeny	04/04/2023	13:54	Lesser Black-Backed Gull	3	improved agricultural grassland; travelling flight	JG
LB025	Breeding Raptor Survey; BR1	19/05/2023	10:50	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB026	Breeding Raptor Survey; BR1	19/05/2023	11:05	Lesser Black-Backed Gull	2	improved grassland; travelling	LDV
LB027	Breeding Raptor Survey; BR2	19/05/2023	16:00	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB028	Breeding Raptor Survey; Ballynacreg north	23/05/2023	13:21	Lesser Black-Backed Gull	30	improved grassland; flying, flock circling over a field	LDV



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
LB029	Breeding Raptor Survey; BR1	02/06/2023	07:19	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB030	Breeding Raptor Survey; BR1	02/06/2023	07:26	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB031	Breeding Raptor Survey; BR1	02/06/2023	07:44	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB032	Breeding Raptor Survey; BR1	02/06/2023	08:40	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB033	Breeding Raptor Survey; BR1	02/06/2023	09:28	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB034	Breeding Raptor Survey; BR1	02/06/2023	09:29	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB035	Breeding Raptor Survey; BR1	02/06/2023	09:44	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB036	Breeding Raptor Survey; BR3	20/06/2023	07:03	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB037	Breeding Raptor Survey; BR3	20/06/2023	07:17	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB038	Breeding Raptor Survey; BR3	20/06/2023	07:30	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB039	Breeding Raptor Survey; BR3	20/06/2023	07:31	Lesser Black-Backed Gull	2	improved grassland; travelling	LDV
LB040	Breeding Raptor Survey; BR3	20/06/2023	08:29	Lesser Black-Backed Gull	3	improved grassland; travelling	LDV
LB041	Breeding Raptor Survey; BR3	20/06/2023	08:34	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB042	Breeding Raptor Survey; BR3	20/06/2023	09:28	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB043	Breeding Raptor Survey; BR4	20/06/2023	10:05	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB044	Breeding Raptor Survey; BR4	20/06/2023	10:14	Lesser Black-Backed Gull	2	improved grassland; travelling	LDV
LB045	Breeding Raptor Survey; BR4	20/06/2023	10:23	Lesser Black-Backed Gull	2	improved grassland; travelling	LDV
LB046	Breeding Raptor Survey; BR4	20/06/2023	11:10	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
LB047	Breeding Raptor Survey; BR4	20/06/2023	11:55	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB048	Breeding Raptor Survey; near BR1	26/07/2023	07:10	Lesser Black-Backed Gull	4	improved grassland; foraging in a field	LDV
LB049	Breeding Raptor Survey; near BR1	26/07/2023	07:35	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB050	Breeding Raptor Survey; near BR1	26/07/2023	07:59	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB051	Breeding Raptor Survey; near BR1	26/07/2023	08:06	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB052	Breeding Raptor Survey; near BR1	26/07/2023	08:07	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB053	Breeding Raptor Survey; near BR1	26/07/2023	09:10	Lesser Black-Backed Gull	2	improved grassland; travelling	LDV
LB054	Breeding Raptor Survey; near BR1	26/07/2023	09:10	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB055	Breeding Raptor Survey; near BR4	26/07/2023	11:32	Lesser Black-Backed Gull	1	improved grassland; travelling, travelling south	LDV
LB056	Breeding Raptor Survey; near BR4	26/07/2023	11:58	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB057	Breeding Raptor Survey; near BR2	28/07/2023	08:55	Lesser Black-Backed Gull	1	improved grassland and semi-natural woodland; travelling	LDV
LB058	Breeding Raptor Survey; near BR2	28/07/2023	08:59	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB059	Breeding Raptor Survey; near BR2	28/07/2023	09:36	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB060	Breeding Raptor Survey; near BR3	28/07/2023	12:38	Lesser Black-Backed Gull	1	improved grassland; travelling	LDV
LB061	Breeding Raptor Survey; near BR3	28/07/2023	12:54	Lesser Black-Backed Gull	3	improved grassland; travelling	LDV
LB062	Breeding Raptor Survey; near BR3	28/07/2023	14:10	Lesser Black-Backed Gull	2	improved grassland; travelling	LDV



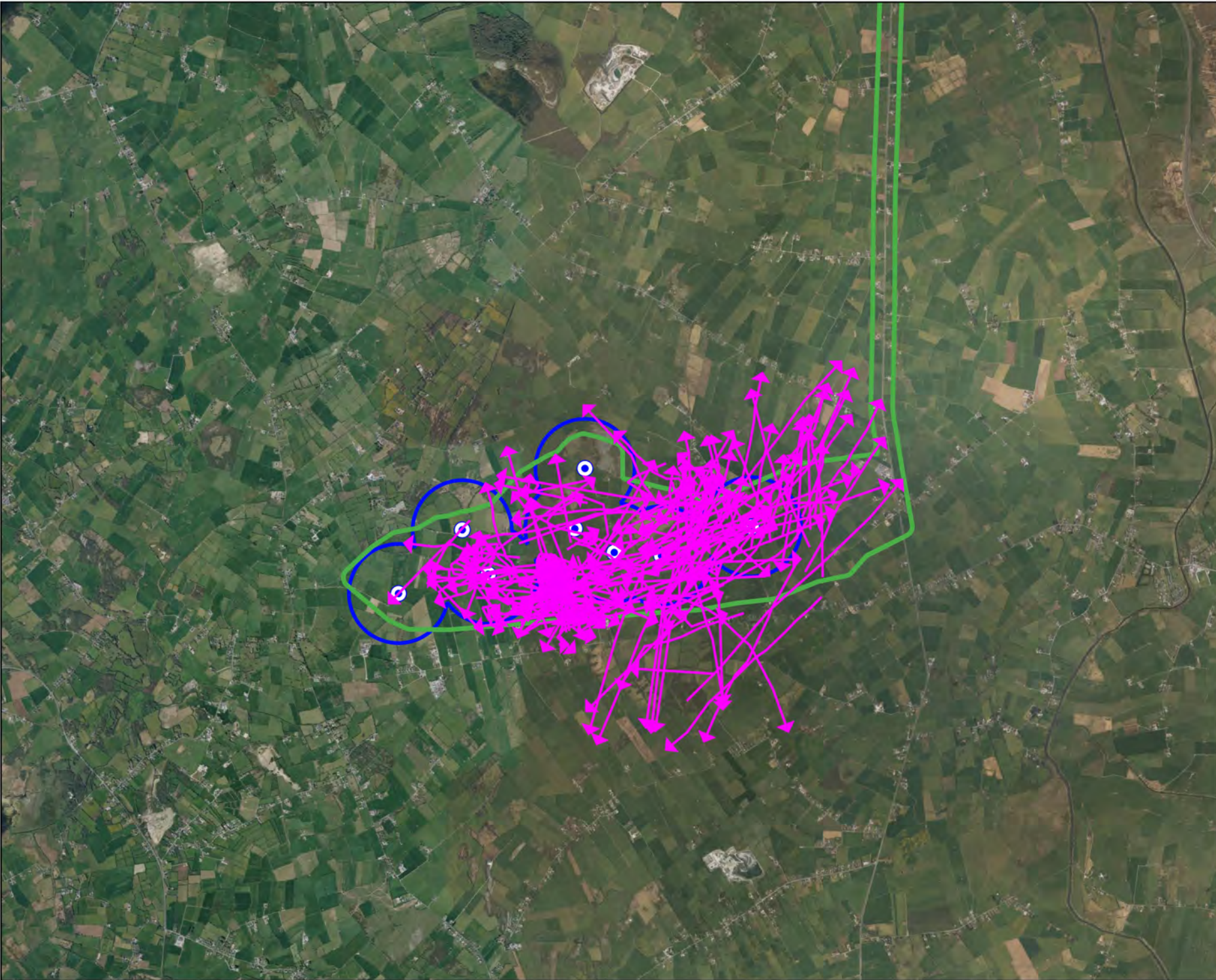
- ### Map Legend
- EIA Site Boundary
 - Proposed Turbine Locations
 - 500m Radius of Turbines
 - Flight Observation

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Drawing Title:	
Lesser Black-backed Gull Observations Vantage Point Surveys (Winter)	
Project Title:	
Laurclavagh Renewable Energy Development	
Drawn By:	Checked By:
KS	PM
Project No.:	Drawing No.:
210627	7-4-24.1
Scale:	Date:
1:50000	09.11.2023

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Map Legend

-  EIA Site Boundary
-  Proposed Turbine Locations
-  500m Radius of Turbines
-  Flight Observation

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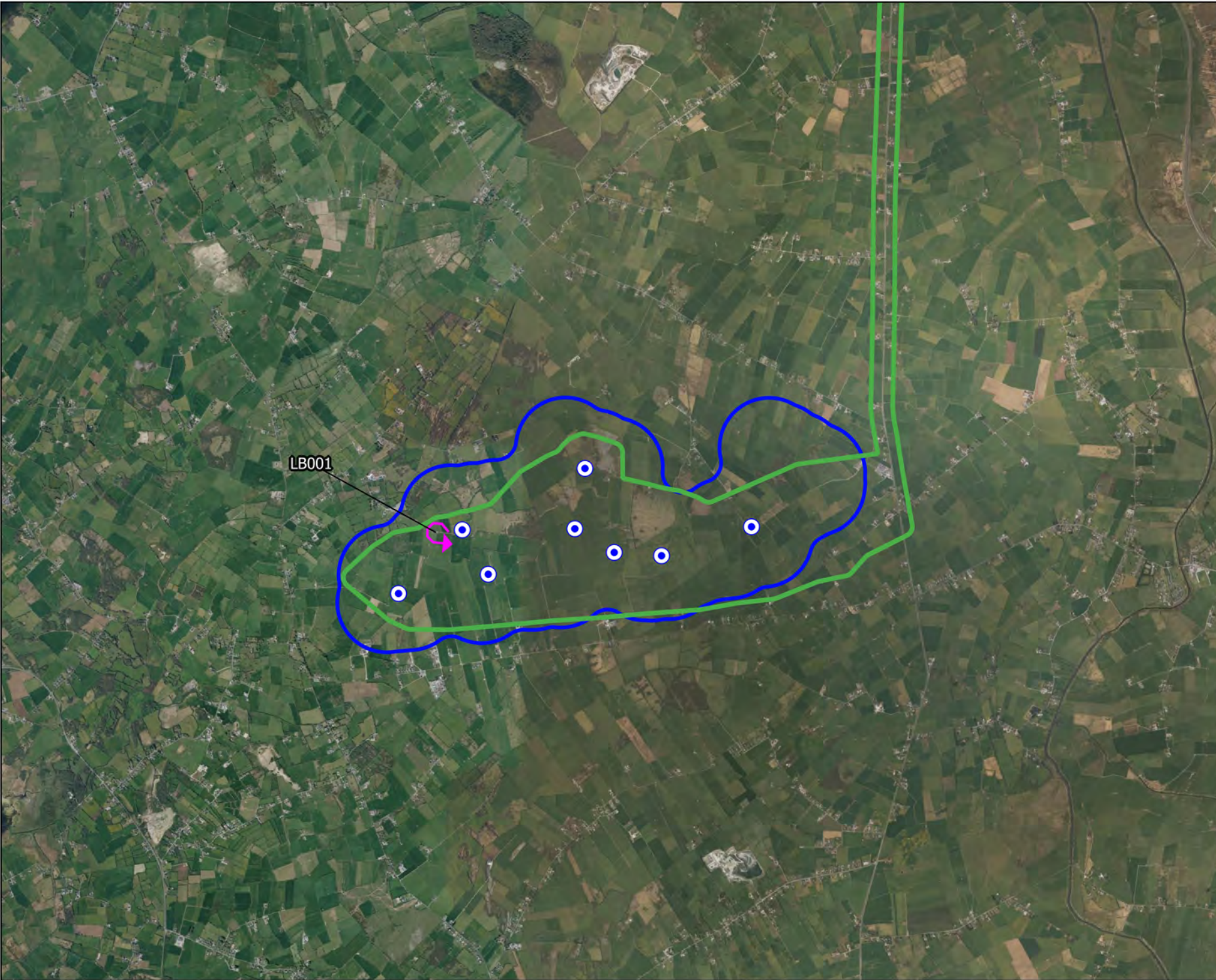
Drawing Title:
**Lesser Black-backed Gull Observations
 Vantage Point Surveys (Breeding)**

Project Title:
Laurdavagh Renewable Energy Development



Drawn By	Checked By
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Project No.	Drawing No.
210627	7-4-24.2
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Map Legend

-  EIA Site Boundary
-  Proposed Turbine Locations
-  500m Survey Area
-  Flight Observation

LB001



Drawing Title:

Lesser Black-backed Gull Observations
Winter Walkover Surveys

Project Title:

Laurclavagh Renewable Energy Development

Drawn By:	Checked By:
KS	PM

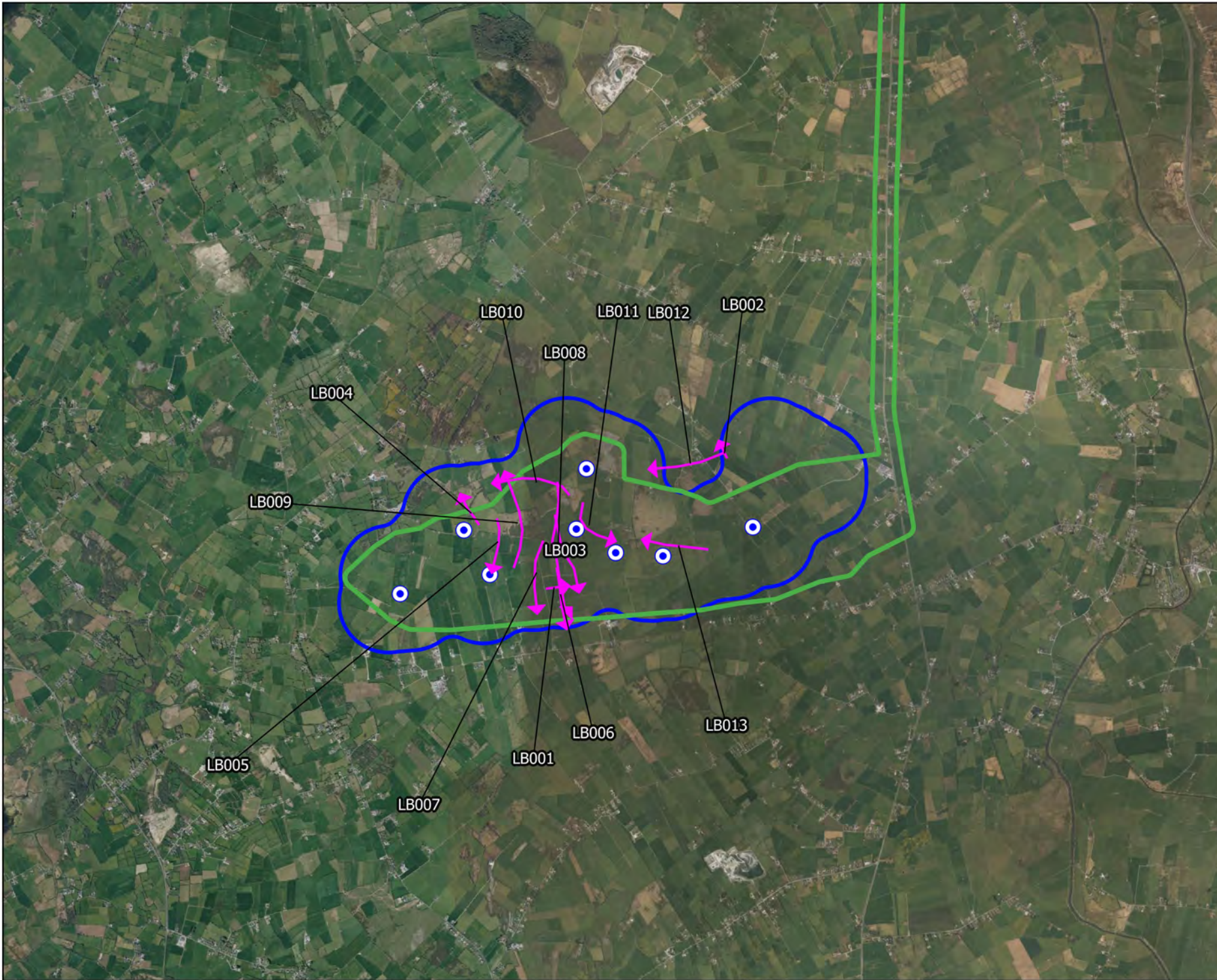
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Map Legend

-  EIA Site Boundary
-  Proposed Turbine Locations
-  500m Survey Area
-  Flight Observation

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Drawing Title:
Lesser Black-backed Gull Observations
Breeding Walkover Surveys

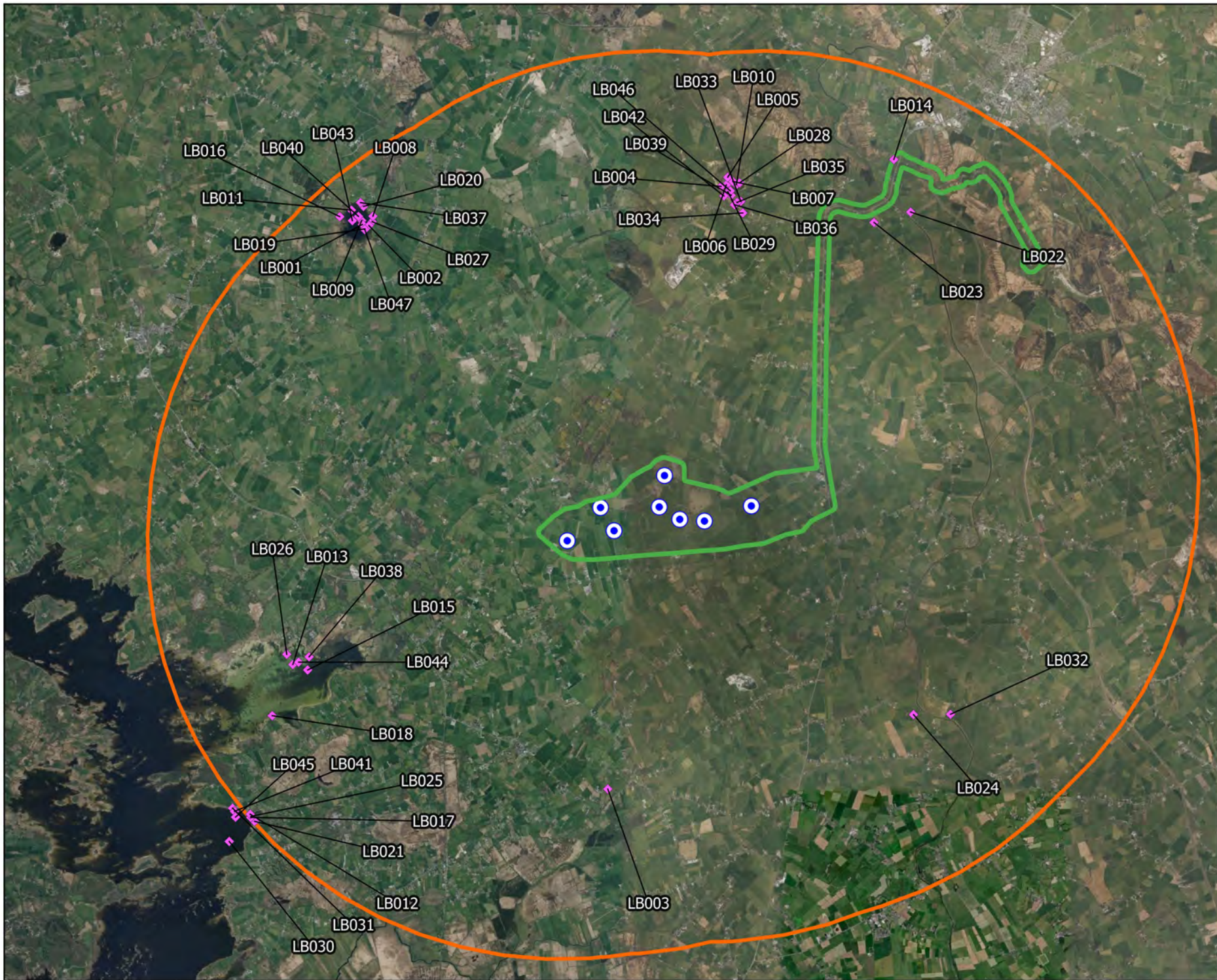
Project Title:
Laurdavagh Renewable Energy Development

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Project No.: 210627	Drawing No.: 7-4-26
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Map Legend

- EIAR Site Boundary
- Proposed Turbine Locations
- 8km Survey Area
- ◆ Observation



Drawing Title:

Lesser Black-backed Gull Observations
Waterbird Distribution and Abundance Surveys

Project Title:

Laurclavagh Renewable Energy Development

Drawn By:

KS

Checked By:

PM

Project No.:

210627

Drawing No.:

7-4-27

Scale:

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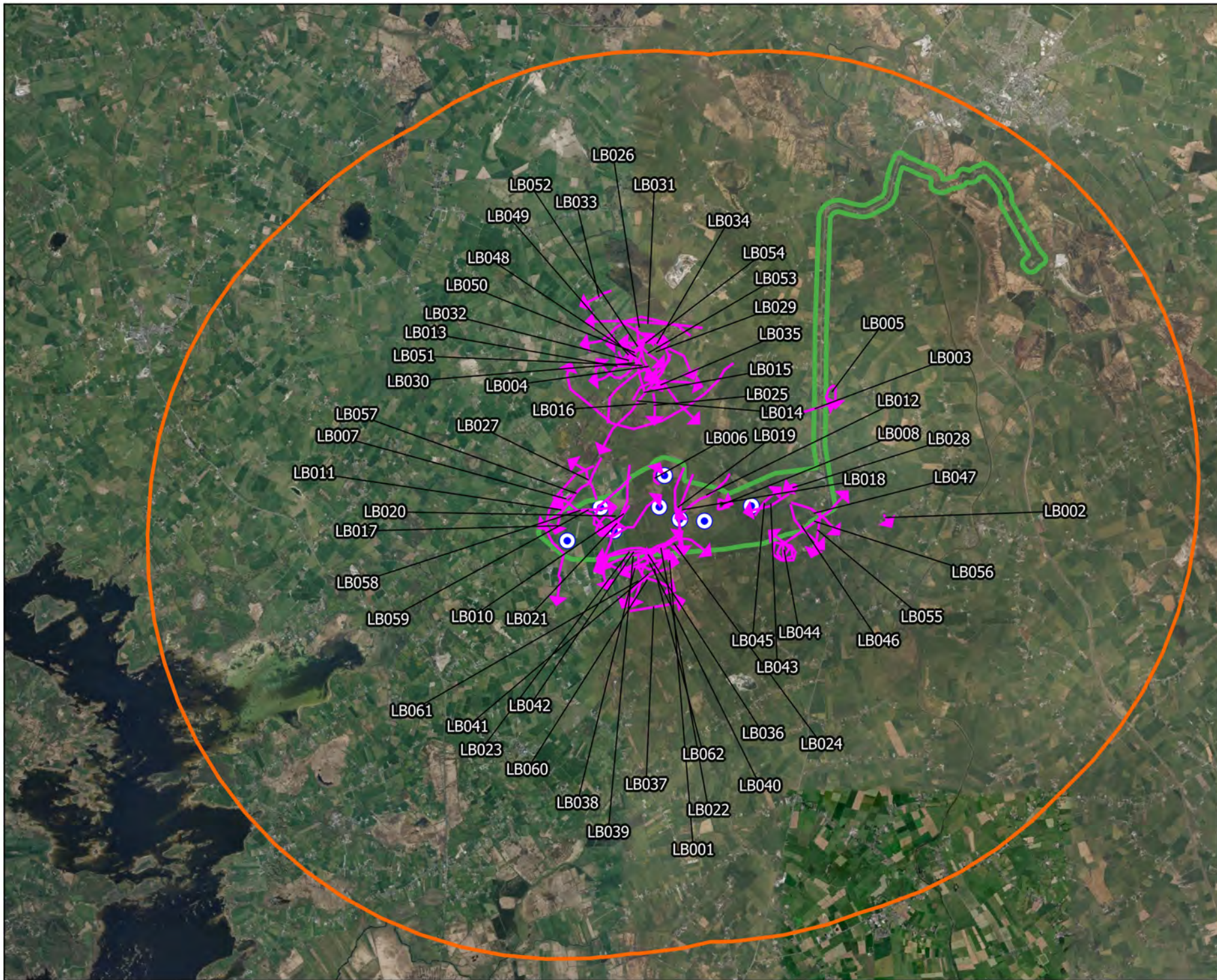
Date:

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- ### Map Legend
- ▭ EIAR Site Boundary
 - Proposed Turbine Locations
 - 8km Survey Area
 - Observation



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Drawing Title:
Lesser Black-backed Gull Observations
Incidental Observations

Project Title:
Laurclavagh Renewable Energy Development

Drawn By: KS	Checked By: PM
Project No.: 210627	Drawing No.: 7-4-28
Scale: 1:95700	Date: 09.11.2023

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11.

CURLEW

Table 7-4-29 Curlew Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
CU001	VP1	24/02/2021	18:59	Curlew	1	30	0	0	30	0	improved agricultural grassland; flying east	MP

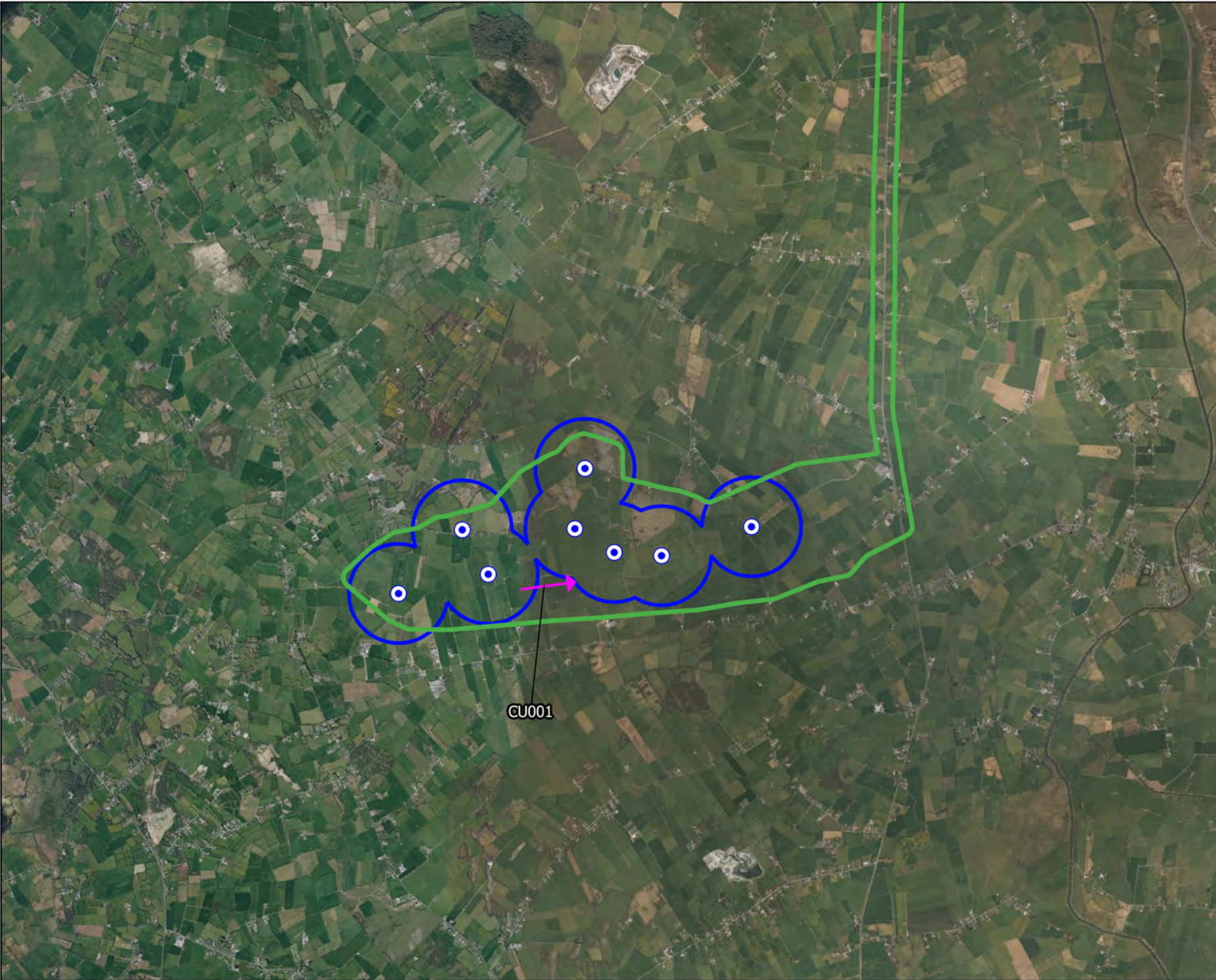
Table 7-4-30 Curlew Waterbird Distribution and Abundance Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
CU001	Lough Hacket	19/08/2020	15:00	Curlew	36	limestone/marl lakes; terrestrial	JK
CU002	Lough Hacket	31/08/2020	16:08	Curlew	2	improved agricultural grassland; terrestrial	JK
CU003	Lough Hacket	04/11/2020	14:10	Curlew	33	lakes and ponds; feeding on banks	MP
CU004	Turlough Monaghan	04/11/2020	14:31	Curlew	1	turloughs; feeding	MP
CU005	Hacket Lough	18/11/2020	13:45	Curlew	29	lakes and ponds and improved agricultural grassland; feeding	MP
CU006	Bohercull Turlough	18/11/2020	14:00	Curlew	8	turloughs; feeding	MP
CU007	Lough Hacket	02/12/2020	13:27	Curlew	41	lakes and ponds; feeding	MP
CU008	Bohercull Turlough	02/12/2020	13:48	Curlew	27	turloughs; terrestrial	MP
CU009	Belclare Turlough	16/12/2020	12:43	Curlew	26	turloughs; resting	MP
CU010	Lough Hacket	16/12/2020	13:11	Curlew	33	improved grassland and lakes and ponds; feeding	MP
CU011	Bohercull Turlough	16/12/2020	13:30	Curlew	27	turloughs; feeding	MP
CU012	Hackett Turlough	07/01/2021	13:28	Curlew	20	lakes and ponds; feeding	MP
CU013	Lough Hacket	22/01/2021	11:28	Curlew	24	turloughs and improved agricultural grassland; feeding	MP
CU014	Belclare Turlough	09/02/2021	14:07	Curlew	9	turloughs and improved agricultural grassland; feeding	MP
CU015	Bohercull Turlough	09/02/2021	14:49	Curlew	1	turloughs and improved agricultural grassland; feeding	MP
CU016	Lough Hacket	23/02/2021	15:18	Curlew	40	lakes and ponds and improved agricultural grassland; feeding	MP
CU017	Bohercull Turlough	23/02/2021	15:34	Curlew	15	turloughs; feeding	MP
CU018	Lough Hacket	18/03/2021	15:50	Curlew	2	improved agricultural grassland and lakes and ponds; flying southwest	MP
CU019	Bohercull Turlough	01/04/2021	11:24	Curlew	1	turloughs and improved agricultural grassland; feeding	MP
CU020	Lough Hacket	14/05/2021	16:37	Curlew	2	dystrophic lakes; flew in and landed on bank	TR





Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
CU021	Lough Hacket	28/09/2021	13:04	Curlew	22	improved agricultural grassland and lakes and ponds; roosting, feeding	TR
CU022	Lough Hacket	05/10/2021	13:10	Curlew	21	dry calcareous and neutral grassland; terrestrial	JK
CU023	Belclare Turlough	29/10/2021	10:22	Curlew	4	turloughs; terrestrial	JK
CU024	Lough Hacket	29/10/2021	11:14	Curlew	24	turloughs; terrestrial	JK
CU025	Pollnahallia	29/10/2021	11:36	Curlew	11	turloughs; terrestrial	JK
CU026	Belclare Turlough	02/11/2021	09:26	Curlew	8	turloughs; feeding	PDC
CU027	Lough Hacket	02/11/2021	10:17	Curlew	19	lakes and ponds; travelling, flushed when I arrived, settled on far side of lake out of sight	PDC
CU028	Belclare Turlough	10/11/2021	09:25	Curlew	30	turloughs; feeding	PDC
CU029	Lough Hacket	10/11/2021	10:26	Curlew	43	improved agricultural grassland and watercourses; feeding	PDC
CU030	Lough Hacket	09/12/2021	13:38	Curlew	57	wet grassland; feeding in field	PM
CU031	Lough Hacket	16/12/2021	12:01	Curlew	62	wet grassland; feeding	PM
CU032	Lough Hacket	16/12/2021	12:03	Curlew	13	wet grassland; feeding	PM
CU033	Lough Hacket	07/01/2022	11:28	Curlew	5	turloughs; terrestrial	JK
CU034	Lough Hacket	18/01/2022	13:26	Curlew	124	improved agricultural grassland; terrestrial	JK
CU035	Corbally bridge	02/02/2022	12:12	Curlew	16	improved agricultural grassland; feeding, flushed	ZE
CU036	Lough Hacket	02/02/2022	15:15	Curlew	100	improved agricultural grassland and lakes and ponds; flying, feeding, estimate number	ZE
CU037	Lough Hacket	14/02/2022	15:29	Curlew	71	improved agricultural grassland and lakes and ponds; feeding	ZE
CU038	Lough Afoor	15/02/2022	13:10	Curlew	1	swamps and lakes and ponds; singing, only heard one singing	ZE
CU039	Ballinduff bay	15/02/2022	14:41	Curlew	5	lakes and ponds; calling, singing	ZE
CU040	Lough Hacket	25/03/2022	12:35	Curlew	2	dystrophic lakes and improved agricultural grassland; foraging, foraging at water's edge	ZOC
CU041	Lough Hacket	08/09/2023	10:47	Curlew	8	lakes and ponds; foraging, on the shore	LDV

Table 7-4-31 Curlew Incidental Observations

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
CU001	Hen Harrier Roost Survey; HHVP3	14/02/2022	16:30	Curlew	1	improved agricultural grassland; calling, only heard in the distance - southeast from hhvp3	ZE
CU002	Hen Harrier Roost Survey; HHVP1	15/02/2022	17:37	Curlew	3	improved agricultural grassland; calling, only heard the calling. three calls with approx. 2-minute intervals. the numbers may be higher.	ZE
CU003	Breeding Raptor Survey; near BR3	28/07/2023	11:30	Curlew	1	improved grassland; travelling	LDV



Map Legend

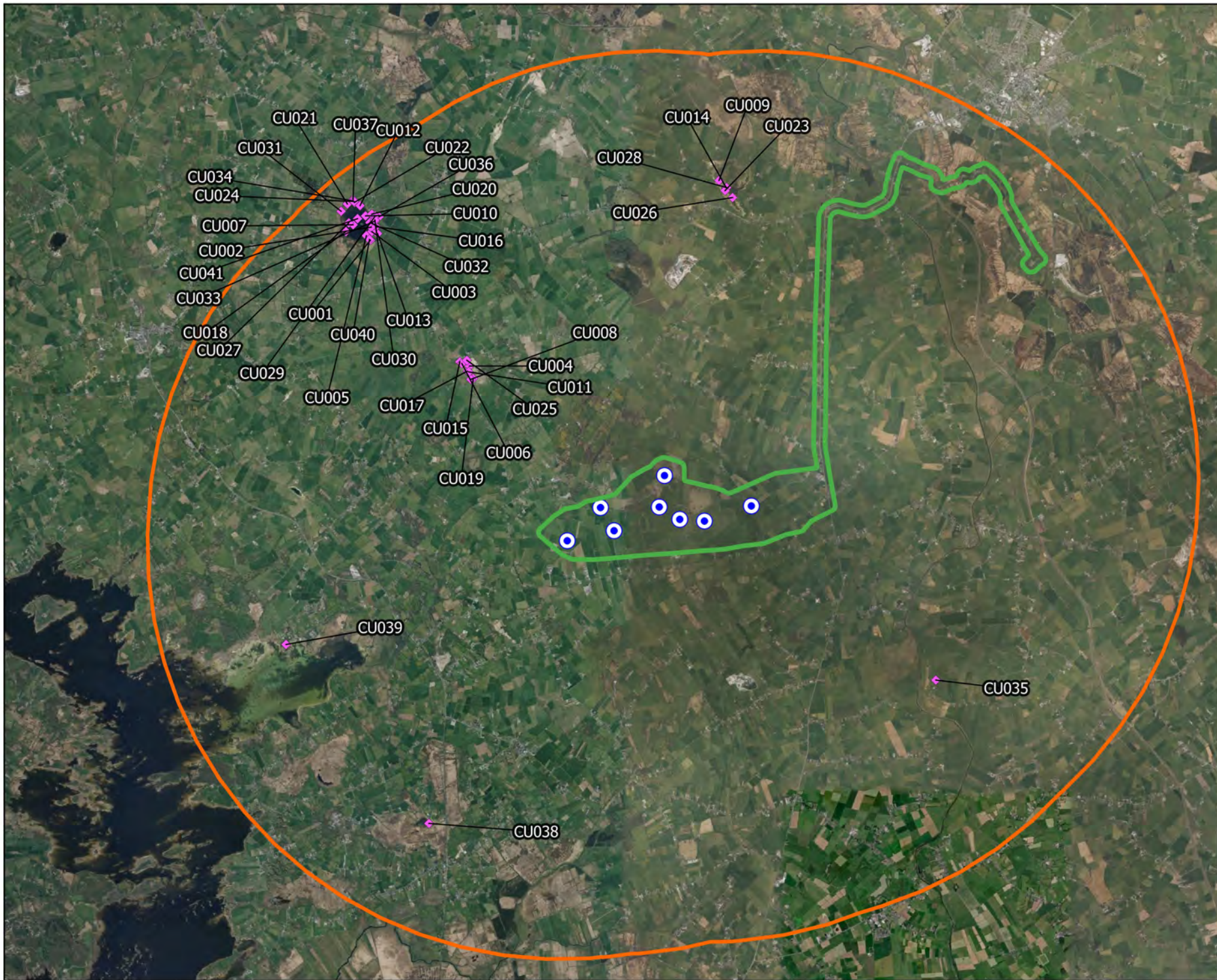
-  EIAR Site Boundary
-  Proposed Turbine Locations
-  500m Radius of Turbines
-  Flight Observation



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CU001

Drawing Title	
Curlew Observations Vantage Point Surveys	
Project Title	
Laurdavagh Renewable Energy Development	
Drawn By	Checked By
KS	PM
Project No.	Drawing No.
210627	7-4-29
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1:50000	09.11.2023
	
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Map Legend

- EIAR Site Boundary
- Proposed Turbine Locations
- 8km Survey Area
- ◆ Observation



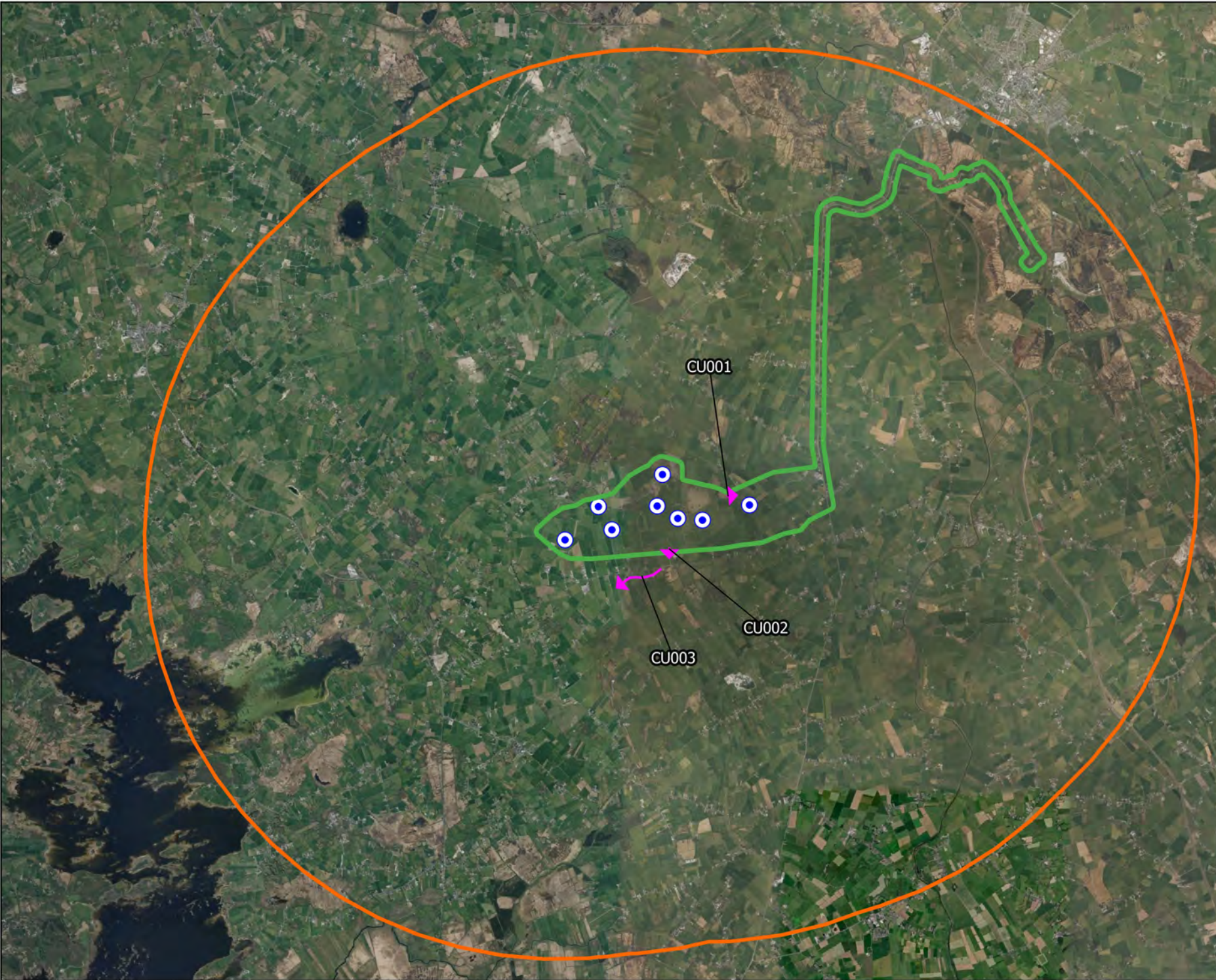
Drawing Title: Curlew Observations Waterbird Distribution and Abundance Surveys

Project Title: Laurclavagh Renewable Energy Development




Drawn By	Checked By
KS	PM
Project No.	Drawing No.
210627	7-4-30
Scale	Date
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Map Legend

-  EIAR Site Boundary
-  Proposed Turbine Locations
-  8km Survey Area
-  Observation



Drawing Title:
**Curlew Observations
 Incidental Observations**

Project Title:
 Laurdavagh Renewable Energy Development

Drawn By: KS	Checked By: PM
Project No.: 210627	Drawing No.: 7-4-31
Scale: 1:95700	Date: 09.11.2023

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KESTREL

Table 7-4-32 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	VP2	21/04/2020	15:01	Kestrel	1	14	0	14	0	0	improved agricultural grassland; hunting. out of sight flying southeast, male	MP
K.002	VP1	22/04/2020	15:52	Kestrel	1	102	0	10	92	0	improved agricultural grassland; hunting over grassland. flew down to northeast	MP
K.003	VP1	22/04/2020	17:12	Kestrel	1	60	0	0	60	0	improved agricultural grassland; soaring at high altitude	MP
K.004	VP1	22/04/2020	19:02	Kestrel	1	20	20	0	0	0	improved agricultural grassland; flew w, out of sight in patches of trees, male	MP
K.005	VP2	15/05/2020	05:13	Kestrel	1	31	0	31	0	0	improved agricultural grassland and dry calcareous and neutral grassland; hunting/hovering	MP
K.006	VP2	11/06/2020	13:40	Kestrel	1	3	3	0	0	0	improved agricultural grassland; perched on post. jumped down onto grassland out of sight, male	MP
K.007	VP2	11/06/2020	15:04	Kestrel	1	98	0	0	98	0	improved agricultural grassland; kestrel soaring/circling in high winds. hunting behaviour	MP
K.008	VP2	11/06/2020	15:24	Kestrel	1	15	15	0	0	0	improved agricultural grassland; flying low over grassland. hunting, male	MP
K.009	VP2	11/06/2020	15:50	Kestrel	1	7	7	0	0	0	improved agricultural grassland; hunted down, female	MP
K.010	VP1	25/06/2020	10:03	Kestrel	1	70	0	0	70	0	improved agricultural grassland; hunting/flying, female	MP
K.011	VP1	25/06/2020	12:50	Kestrel	1	32	0	32	0	0	improved agricultural grassland, dry calcareous and neutral grassland and mixed broadleaved woodland; hovering over grassland. perched on tree to continue hunting	MP
K.012	VP1	16/07/2020	11:52	Kestrel	1	175	60	115	0	0	improved agricultural grassland and dry calcareous and neutral grassland; hunting, went down out of sight, male	MP

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.013	VP1	16/07/2020	12:05	Kestrel	2	80	0	80	0	0	improved agricultural grassland and dry calcareous and neutral grassland; 2 male hunting close to each other over grassland, no animosity, male	MP
K.014	VP1	16/07/2020	12:37	Kestrel	1	19	19	0	0	0	improved agricultural grassland and dry calcareous and neutral grassland; hovering low above ground, male	MP
K.015	VP1	16/07/2020	13:30	Kestrel	1	900	0	900	0	0	improved agricultural grassland and dry calcareous and neutral grassland; hovering, caught a small prey, ate it, and continued hunting. perched on telephone post, male	MP
K.016	VP1	16/07/2020	13:45	Kestrel	1	100	0	0	100	0	improved agricultural grassland and dry calcareous and neutral grassland; hunting, male	MP
K.017	VP1	16/07/2020	14:40	Kestrel	1	15	15	0	0	0	improved agricultural grassland and dry calcareous and neutral grassland; flew low from s, landed on burnt trunk. took a dust/ash bath for a few min and flew off east, male	MP
K.018	VP2	31/08/2020	16:26	Kestrel	1	49	0	0	49	0	improved agricultural grassland and dry calcareous and neutral grassland; travelling southeast, male	MP
K.019	VP1	01/09/2020	19:36	Kestrel	1	63	0	0	63	0	improved agricultural grassland; hunting	MP
K.020	VP2	14/10/2020	14:24	Kestrel	1	10	10	0	0	0	improved agricultural grassland; hunting, female	MP
K.021	VP1	29/10/2020	12:37	Kestrel	1	22	7	15	0	0	improved agricultural grassland; hunting, bullied by hooded crow, male	MP
K.022	VP1	29/10/2020	12:49	Kestrel	1	32	0	32	0	0	improved agricultural grassland and dry calcareous and neutral grassland; took off from perch, hunting, male	MP
K.023	VP1	29/10/2020	15:32	Kestrel	1	64	45	19	0	0	improved agricultural grassland and dry calcareous and neutral grassland; hunting, successful (vole)	MP
K.024	VP2	13/11/2020	09:55	Kestrel	1	14	14	0	0	0	improved agricultural grassland; hunting, perched on fence post	MP
K.025	VP2	13/11/2020	12:12	Kestrel	1	10	10	0	0	0	improved agricultural grassland; hunting low	MP

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.026	VP1	29/01/2021	11:57	Kestrel	1	59	59	0	0	0	dry calcareous and neutral grassland; hunting	MP
K.027	VP1	29/01/2021	12:10	Kestrel	1	420	20	100	300	0	dry calcareous and neutral grassland; hovering, perched on tree	MP
K.028	VP1	29/01/2021	12:36	Kestrel	1	70	0	7	70	0	improved agricultural grassland; hunting	MP
K.029	VP2	10/02/2021	12:56	Kestrel	2	102	0	0	102	0	improved agricultural grassland; one hunting, the other constantly mobbed by hooded crow	MP
K.030	VP2	10/02/2021	14:53	Kestrel	1	-	-	-	-	-	dry calcareous and neutral grassland; perched	MP
K.032	VP2	10/02/2021	15:16	Kestrel	1	90	0	90	0	0	improved agricultural grassland; hunting, perching on/off, male	MP
K.033	VP2	10/02/2021	15:20	Kestrel	1	11	0	11	0	0	improved agricultural grassland; chased by hooded crow	MP
K.034	VP1	12/03/2021	07:28	Kestrel	1	31	0	0	31	0	dry calcareous and neutral grassland and improved agricultural grassland; hunting	MP
K.035	VP1	12/03/2021	10:58	Kestrel	1	181	0	81	100	0	improved agricultural grassland; hunting	MP
K.036	VP1	12/03/2021	11:04	Kestrel	1	174	0	14	160	0	improved agricultural grassland; hunting	MP
K.037	VP1	12/03/2021	11:15	Kestrel	1	34	0	34	0	0	improved agricultural grassland; hunting	MP
K.038	VP2	07/04/2021	15:06	Kestrel	1	-	-	-	-	-	woodland and scrub; calling, calling; heard only; again at 18:05, suitable nesting habitat (large trees with ivy). just northwest of vantage point	PT
K.039	VP2	07/04/2021	17:18	Kestrel	1	40	40	0	0	0	grassland and marsh, arable crops and woodland and scrub; direct flight	PT
K.040	VP2	02/05/2021	10:17	Kestrel	1	35	35	0	0	0	grassland and marsh and woodland and scrub; perched on tree since 10:17 then flew to wood, gull sp.	PT
K.041	VP2	03/05/2021	10:44	Kestrel	1	-	-	-	-	-	grassland and marsh; perched on tree to 10:49	PT
K.042	VP1	31/05/2021	05:55	Kestrel	1	25	5	20	0	0	improved agricultural grassland; flying	JC
K.043	VP1	31/05/2021	06:19	Kestrel	1	120	5	15	100	0	improved agricultural grassland and semi-natural grassland; soaring, flying, hunting	JC
K.044	VP1	31/05/2021	08:45	Kestrel	1	40	0	0	40	0	semi-natural woodland and improved agricultural grassland; flying	JC

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.045	VP2	03/06/2021	08:35	Kestrel	1	375	0	0	375	0	grassland and marsh and scrub; hovering, circling, male	PT
K.047	VP2	03/06/2021	08:50	Kestrel	1	40	40	0	0	0	grassland and marsh; behind vantage point, behind vantage point	PT
K.048	VP2	03/06/2021	09:28	Kestrel	1	6	6	0	0	0	arable crops and woodland and scrub; flight	PT
K.049	VP2	03/06/2021	09:29	Kestrel	1	310	25	60	225	0	grassland and marsh and scrub; hunting, ascending	PT
K.050	VP2	03/06/2021	10:23	Kestrel	1	225	30	30	165	0	grassland and marsh and woodland and scrub; hunting, ascending	PT
K.051	VP2	03/06/2021	10:47	Kestrel	1	150	85	65	0	0	grassland and marsh, arable crops and scrub; hunting	PT
K.052	VP2	03/06/2021	11:51	Kestrel	1	460	50	15	395	0	grassland and marsh and woodland and scrub; drifted east, circled up then hunting	PT
K.053	VP2	03/06/2021	12:15	Kestrel	1	335	150	185	0	0	grassland and marsh and woodland and scrub; hunting, initially <15 metres	PT
K.054	VP1	29/06/2021	15:58	Kestrel	1	180	30	150	0	0	improved agricultural grassland and linear woodland/scrub; soaring, flying, hunting	JC
K.055	VP1	29/06/2021	19:45	Kestrel	1	360	60	300	0	0	amenity grassland (improved) and linear woodland/scrub; soaring, flying, hunting	JC
K.056	VP2	01/07/2021	13:24	Kestrel	1	220	0	0	220	0	grassland and marsh and linear woodland/scrub; flying	PT
K.057	VP1	30/07/2021		Kestrel	1	30	0	10	20	0	semi-natural grassland; hunting	JC
K.058	VP1	30/07/2021		Kestrel	1	40	5	15	20	0	semi-natural grassland; hunting	JC
K.059	VP2	06/12/2021	09:13	Kestrel	1	180	0	80	100	0	wet grassland; hunting , hovering and flying	SJ
K.060	VP2	06/12/2021	11:49	Kestrel	1	15	0	15	100	0	wet grassland; flying, passing through	SJ
K.061	VP1	13/01/2022	12:40	Kestrel	1	-	-	-	-	-	scrub; perched, individual seen periodically on the same perch, while scanning in the distance. no flights seen.	JF
K.062	VP1	13/01/2022	13:46	Kestrel	1	-	-	-	-	-	scrub; perched, seen on same perch, but was absent from perch at some times.	JF
K.063	VP1	13/01/2022	16:08	Kestrel	1	-	-	-	-	-	scrub; perched	JF
K.064	VP1	23/01/2022	14:13	Kestrel	1	18	18	0	0	0	improved agricultural grassland and treelines; flying low calling dropped out of view	JF

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.065	VP1	23/01/2022	14:27	Kestrel	1	26	16	0	0	0	improved agricultural grassland and treelines; flew back and perched in treeline	JF
K.066	VP1	23/01/2022	16:54	Kestrel	1	35	35	0	0	0	improved agricultural grassland and treelines; hunting and hovering flew in behind same treeline	JF
K.067	VP1	23/01/2022	17:11	Kestrel	1	14	14	0	0	0	improved agricultural grassland and treelines; flew low over ground disappeared in dip	JF
K.068	VP2	10/02/2022	08:01	Kestrel	1	-	-	-	-	-	treelines; calling, not seen	JF
K.069	VP2	10/02/2022	08:11	Kestrel	1	26	26	0	0	0	dry meadows and grassy verges and improved agricultural grassland; flying low to the ground,	JF
K.070	VP2	10/02/2022	08:46	Kestrel	1	26	0	26	0	0	improved agricultural grassland and dry meadows and grassy verges;	JF
K.071	VP2	10/02/2022	09:09	Kestrel	1	2	0	0	0	0	treelines; flew in and landed in tree	JF
K.072	VP2	10/02/2022	09:28	Kestrel	1	2	2	0	0	0	treelines; perched up, flew out of view	JF
K.073	VP1	02/03/2022	16:51	Kestrel	1	18	0	18	0	0	improved agricultural grassland; hovering and hunting, height band is a guess as the ground dropped away and was impossible to assess	JF
K.074	VP2	16/03/2022	13:01	Kestrel	1	127	100	27	0	0	improved agricultural grassland and dry meadows and grassy verges; hunting and hovering	JF
K.075	VP2	16/03/2022	13:25	Kestrel	1	366	20	40	100	206	circling high up	JF
K.076	VP2	16/03/2022	15:34	Kestrel	1	357	0	40	20	257	improved agricultural grassland; hunting and soaring, flew up in thermals	JF
K.077	VP2	16/03/2022	15:59	Kestrel	1	36	36	0	0	0	scrub and improved agricultural grassland; perched up for a couple of minutes before brief flight	JF
K.078	VP2	16/03/2022	18:20	Kestrel	1	30	0	30	0	0	improved agricultural grassland and treelines; flew in among trees	JF
K.079	VP2	16/03/2022	18:52	Kestrel	1	237	0	100	137	0	improved agricultural grassland; hunting and hovering	JF
K.080	VP1	08/05/2023	16:11	Kestrel	1	10	0	10	0	0	improved grassland; travelling, picked up while observing the buzzards	LDV

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.082	VP1	07/06/2023	11:00	Kestrel	1	128	90	28	0	0	improved grassland and scrub/transitional woodland; hunting	LDV
K.083	VP1	07/06/2023	11:54	Kestrel	1	385	0	200	185	0	improved grassland and scrub/transitional woodland; hunting	LDV
K.084	VP2	14/06/2023	10:17	Kestrel	1	12	0	12	0	0	semi-natural woodland; mobbed by a hooded crow	LDV
K.085	VP2	27/07/2023	14:23	Kestrel	1	422	0	0	422	0	improved grassland and semi-natural woodland; hunting	LDV
K.086	VP1	09/08/2023	13:26	Kestrel	1	21	0	21	0	0	scrub/transitional woodland; travelling	LDV
K.087	VP1	05/09/2023	09:46	Kestrel	1	143	0	100	43	0	improved grassland; hunting	LDV
K.088	VP1	05/09/2023	11:04	Kestrel	1	221	150	71	0	0	improved grassland; hunting, mobbed by rooks	LDV
K.089	VP2	28/09/2023	08:59	Kestrel	1	38	0	38	0	0	improved grassland and semi-natural woodland; travelling, was perched behind VP	LDV
K.090	VP2	28/09/2023	09:26	Kestrel	1	249	0	100	149	0	scrub/transitional woodland; hunting	LDV
K.091	VP2	28/09/2023	12:04	Kestrel	1	-	-	-	-	-	semi-natural woodland; perched	LDV
K.092	VP2	28/09/2023	12:05	Kestrel	1	32	22	10	0	0	improved grassland and scrub/transitional woodland; hunting, same as the one perched	LDV

Table 7-4-33 Kestrel Winter Walkover Survey data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
K.001	15/10/2020	15:04	Kestrel	1	improved agricultural grassland; perched, flew east	MP
K.002	15/10/2020	15:19	Kestrel	2	dry calcareous and neutral grassland; hunting, male and female	MP
K.003	08/10/2021	10:32	Kestrel	1	dry calcareous and neutral grassland; hunting	JK
K.004	11/11/2021	12:38	Kestrel	1	improved agricultural grassland; hunting	JK

Table 7-4-34 Kestrel Breeding Walkover Survey data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
K.001	26/06/2020	10:05	Kestrel	1	improved agricultural grassland; observed perched on stone wall. took off immediately, lo out of sight, male (flyover; non-breeding)	MP
K.003	26/06/2020	11:25	Kestrel	1	improved agricultural grassland; hunting, flew towards SW, male (flyover; non-breeding)	MP

K.004	14/07/2020	11:55	Kestrel	1	dry calcareous and neutral grassland and improved agricultural grassland; hunting/hovering, mobbed by a flock of c.20 passerines (flyover; non-breeding)	MP
K.005	16/04/2021	14:02	Kestrel	1	improved agricultural grassland; hovering (flyover; non-breeding)	EH
K.006	25/06/2021	10:37	Kestrel	1	improved agricultural grassland and highly modified/non-native woodland; chased by crow (suitable nesting habitat; possible breeder)	MP
K.009	18/05/2023	11:05	Kestrel	1	improved grassland and linear woodland/scrub; travelling (suitable nesting habitat; possible breeder)	LDV
K.010	06/06/2023	09:31	Kestrel	1	scrub/transitional woodland and improved grassland; travelling (suitable nesting habitat; possible breeder)	LDV

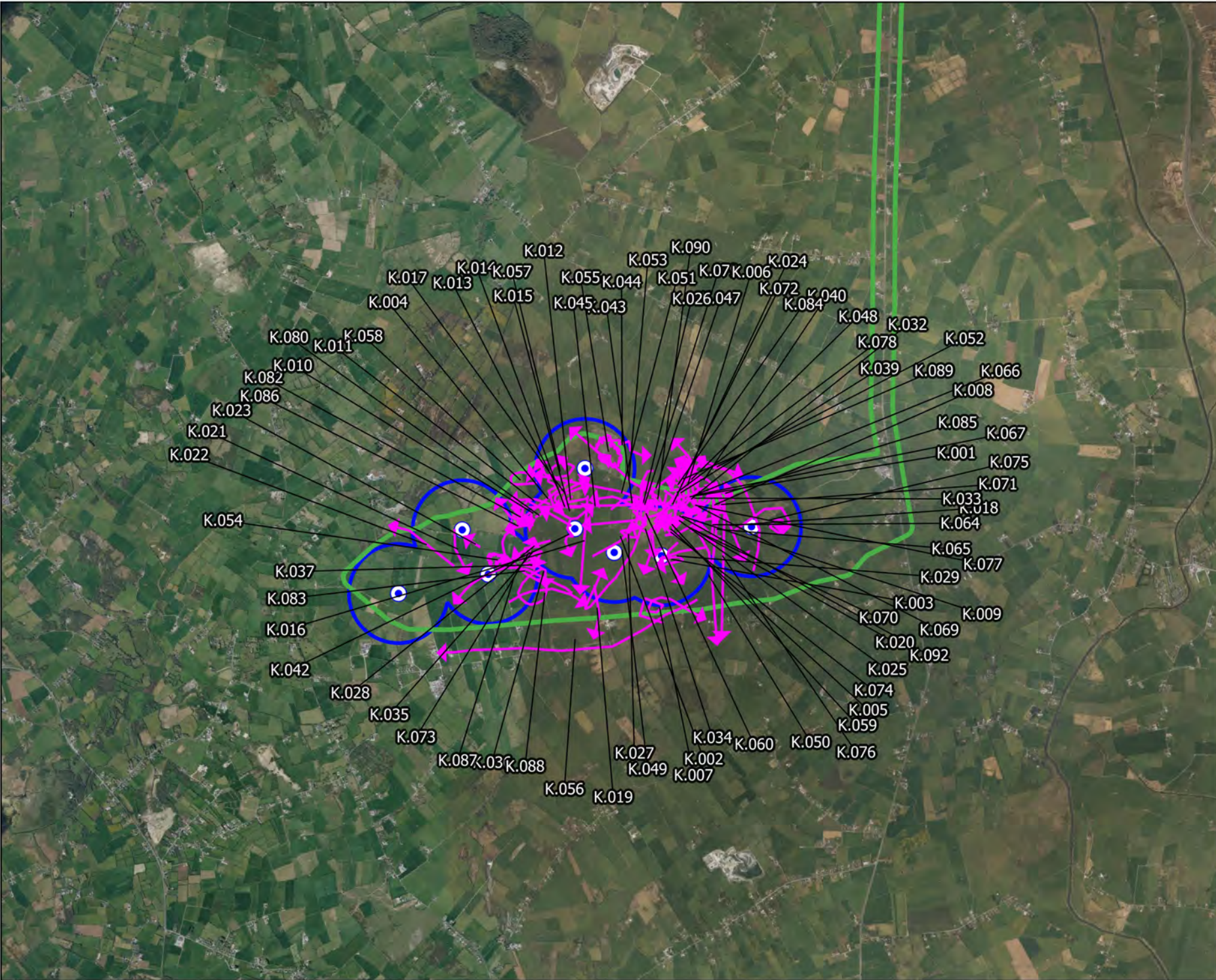
Table 7-4-35 Kestrel Breeding Raptor data





Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.001	Carrownaherick	27/04/2020	14:00	Kestrel	1	improved agricultural grassland, hunting	non-breeding	MP
K.002	BR6	12/06/2020	12:00	Kestrel	1	improved agricultural grassland, male hunting	non-breeding	MP
K.003	BR12	19/06/2020	13:05	Kestrel	1	dry calcareous and neutral grassland, hunting	non-breeding	MP
K.004	BR4	08/04/2021	14:01	Kestrel	1	improved agricultural grassland and highly modified/non-native woodland, dropped in trees	suitable nesting habitat; possible breeder	MP
K.005	BR3	04/06/2021	11:55	Kestrel	1	improved agricultural grassland, spotted perched on post, hunting, female	suitable nesting habitat; possible breeder	MP
K.007	BR2	02/06/2023	11:24	Kestrel	1	improved grassland, hunting, male	suitable nesting habitat; possible breeder	LDV

Table 7-4-36 Kestrel Incidental Observations

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.001	Hen Harrier Roost Survey; HHVP3	03/12/2020	15:45	Kestrel	1	dry calcareous and neutral grassland; hunting, perched	MP
K.002	Hen Harrier Roost Survey; HHVP3	03/12/2020	16:26	Kestrel	1	dry calcareous and neutral grassland; assumed same male, went to roost in rushes	MP
K.003	Hen Harrier Roost Survey; HHVP1	09/03/2021	17:12	Kestrel	1	improved agricultural grassland and wet grassland; hunting low	MP
K.004	Breeding Walkover Survey; while driving	28/05/2021	12:24	Kestrel	1	improved agricultural grassland; hunting, travelling, female	MP
K.005	Hen Harrier Roost Survey; HHVP1	11/10/2021	17:43	Kestrel	1	dry calcareous and neutral grassland; hunting, male	JK
K.006	Hen Harrier Roost Survey; HHVP2	14/10/2021	17:40	Kestrel	1	dry calcareous and neutral grassland; hunting male	JK

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.007	Hen Harrier Roost Survey; HHVP3	22/10/2021	08:50	Kestrel	1	dry calcareous and neutral grassland; hunting, adult female	JK
K.008	Hen Harrier Roost Survey; HHVP4	28/10/2021	16:45	Kestrel	1	turloughs; hunting	JK
K.009	Waterbird Distribution Survey; Lough Afoor	02/02/2022	13:30	Kestrel	1	bogs; flying	ZE
K.011	Waterbird Distribution Survey; Annaghdown pier	23/08/2023	13:42	Kestrel	1	lakes and ponds and semi-natural woodland; hunting	LDV
K.012	Waterbird Distribution Survey; Kilcoona	26/09/2023	12:19	Kestrel	1	improved grassland and conifer plantation; travelling, mobbed by corvids	LDV
K.013	Waterbird Distribution Survey; Luimnagh pier	26/09/2023	12:35	Kestrel	1	lakes and ponds; hunting	LDV



- ### Map Legend
-  EIA Site Boundary
 -  Proposed Turbine Locations
 -  500m Radius of Turbines
 -  Flight Observation



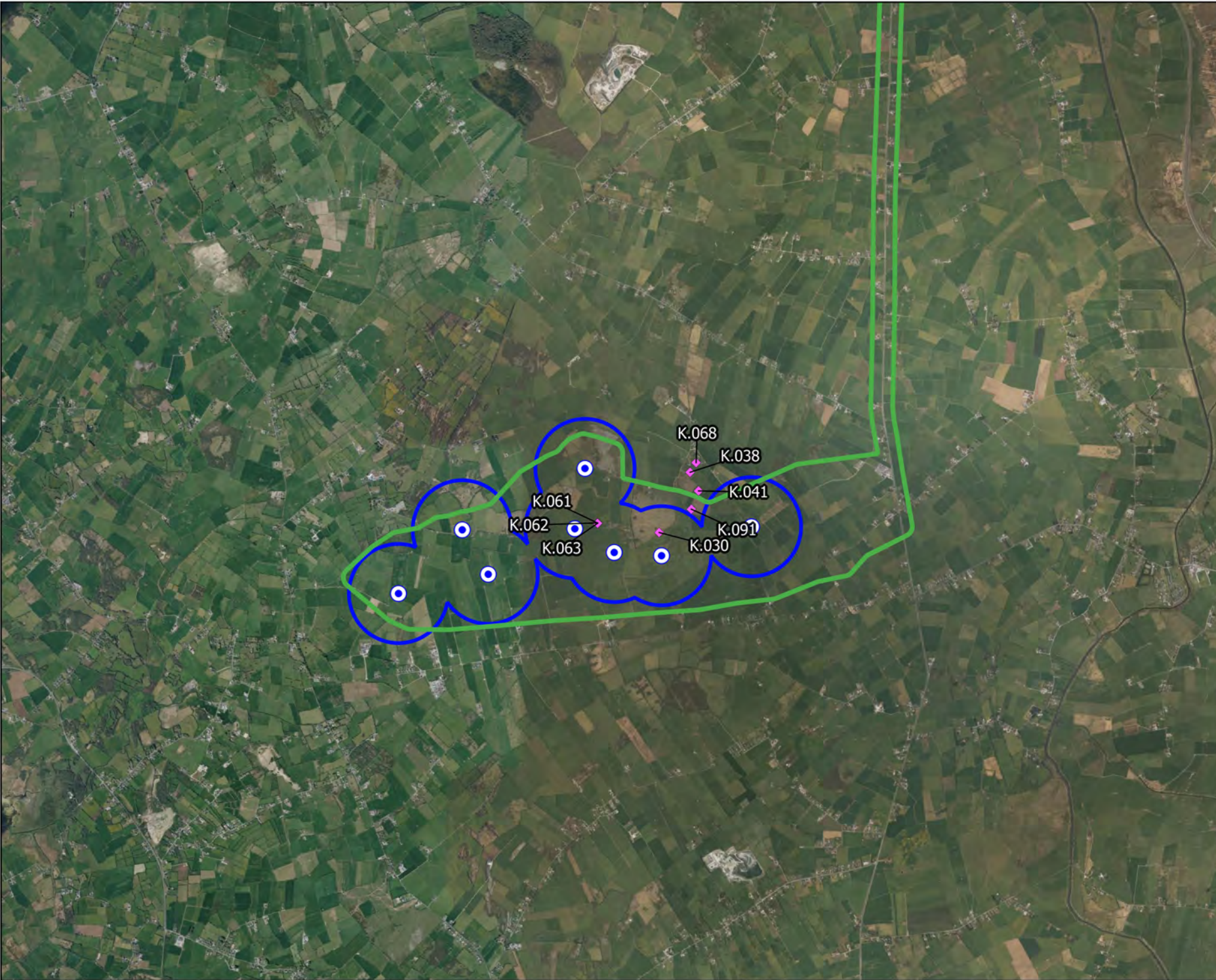
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Drawing Title:
**Kestrel (Flight) Observations
Vantage Point Surveys**

Project Title:
Laurdavagh Renewable Energy Development

Drawn By: KS	Checked By: PM
Project No. 210627	Drawing No. 7-4-32.1
Scale 1:50000	Date 09.11.2023

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Map Legend

- EIA Site Boundary
- Proposed Turbine Locations
- 500m Radius of Turbines
- ◆ Non-Flight Observation



Drawing Title:
**Kestrel (Non-Flight) Observations
 Vantage Point Surveys**

Project Title:
 Laurdavagh Renewable Energy Development

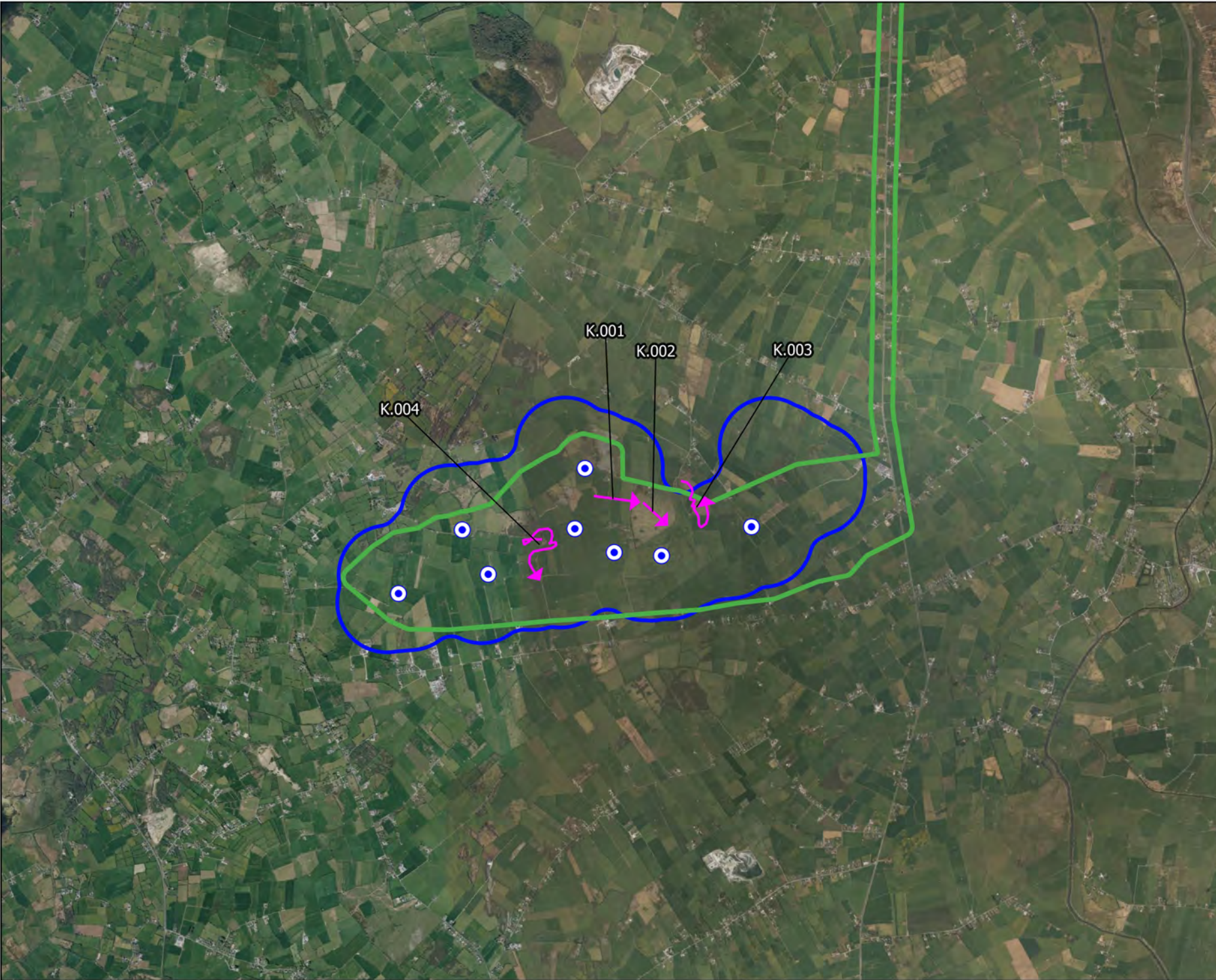
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Map Legend

- EIAR Site Boundary
- Proposed Turbine Locations
- 500m Survey Area
- Flight Observation



Drawing Title:

**Kestrel Observations
Winter Walkover Surveys**

Project Title:

Laurclavagh Renewable Energy Development

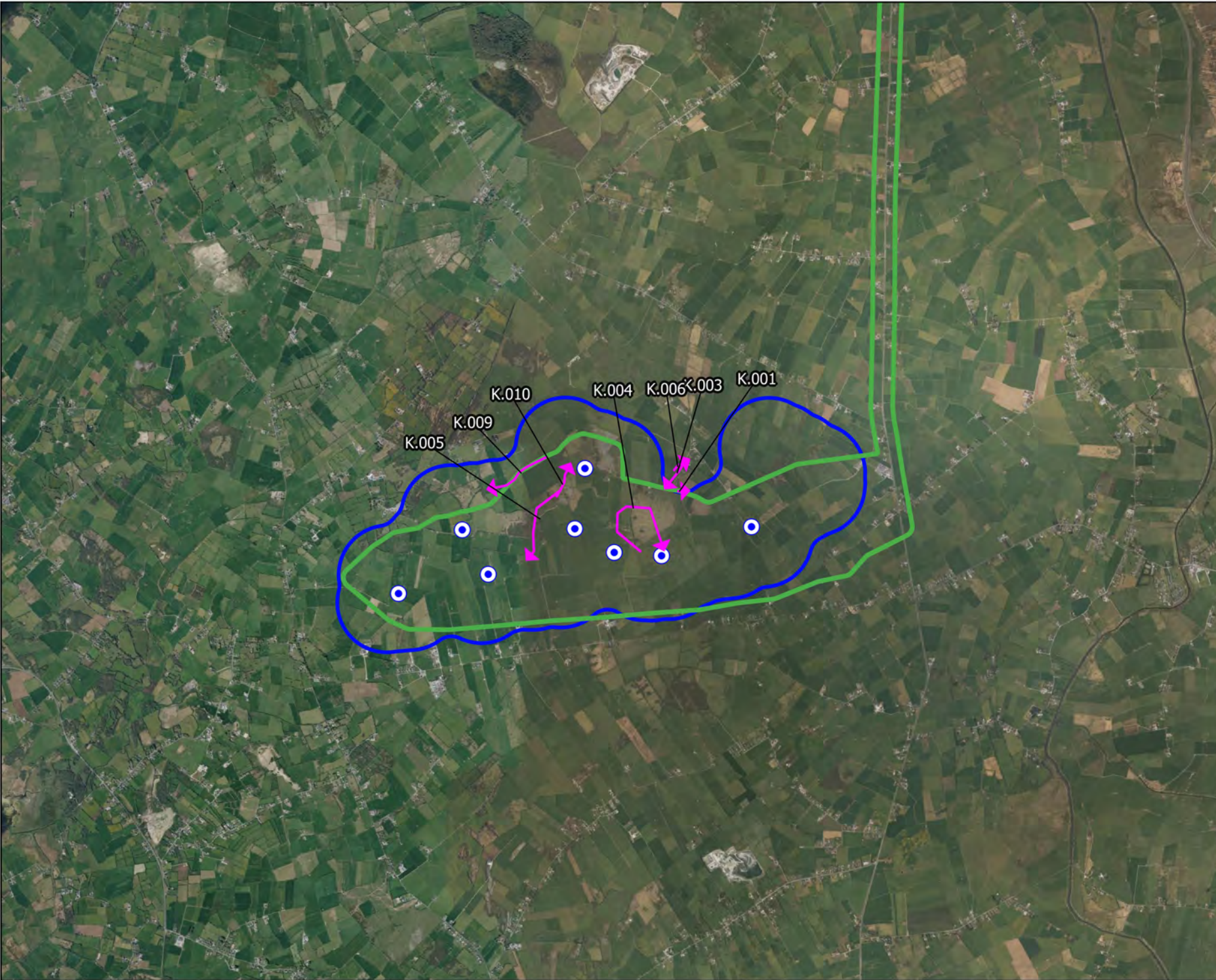
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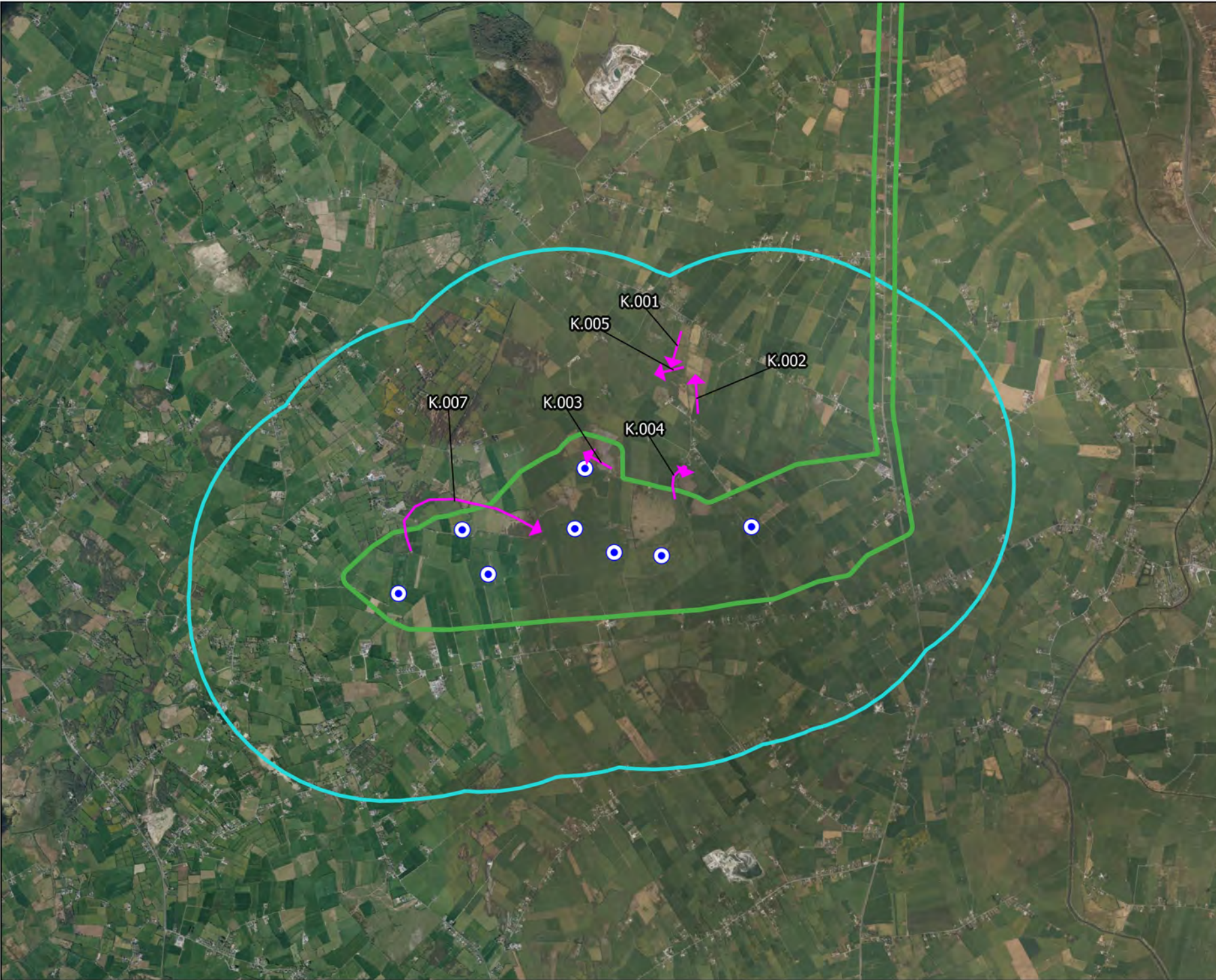
Map Legend

-  EIA Site Boundary
-  Proposed Turbine Locations
-  500m Survey Area
-  Flight Observation







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Drawing Title	
Kestrel Observations Breeding Walkover Surveys	
Project Title	
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Map Legend

-  EIAR Site Boundary
-  Proposed Turbine Locations
-  2km Survey Area
-  Flight Observation



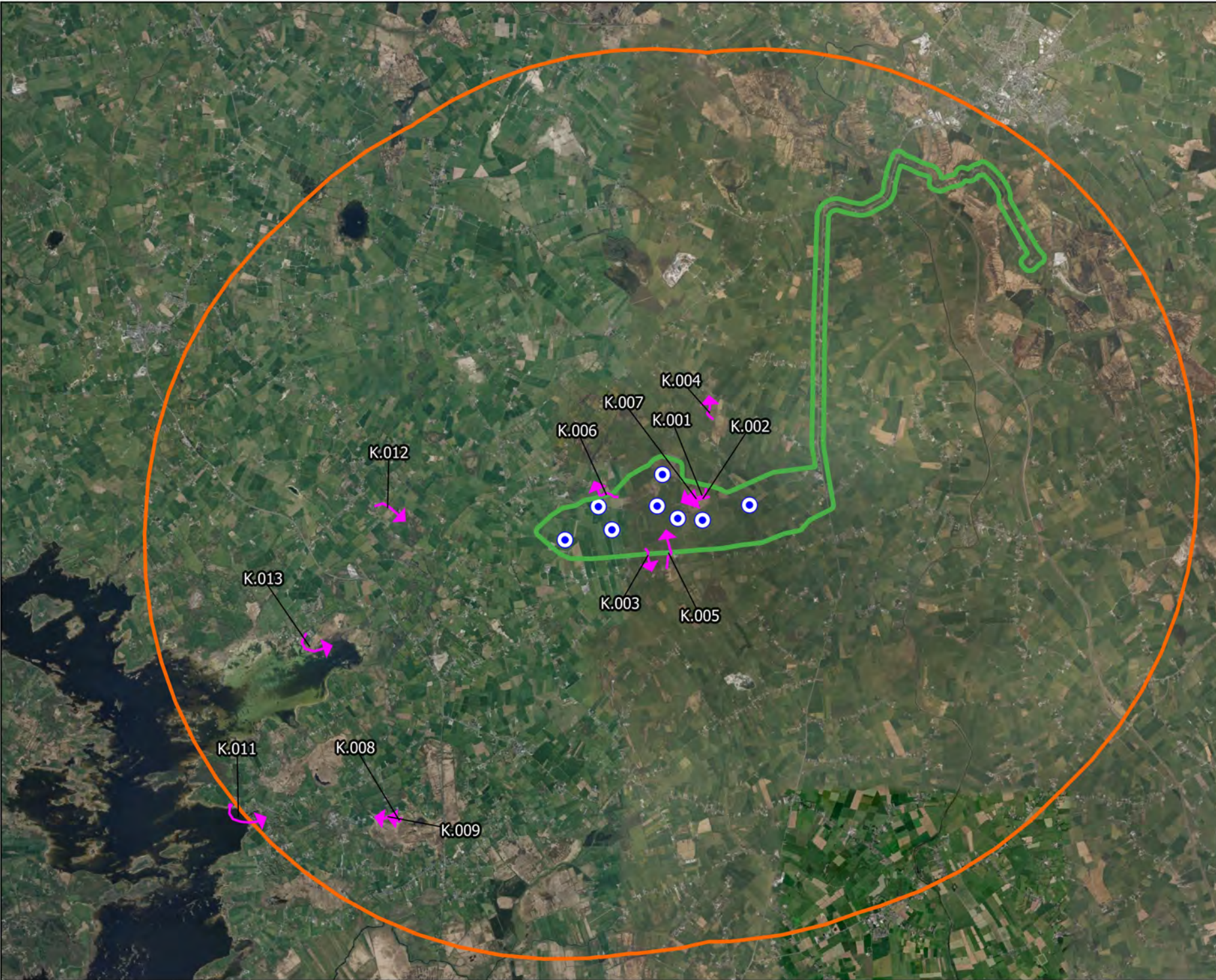
Drawing Title:
**Kestrel Observations
 Breeding Raptor Surveys**

Project Title:
 Laurdavagh Renewable Energy Development

Drawn By: KS	Checked By: PM
Project No.: 210627	Drawing No.: 7-4-35
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- ### Map Legend
- EIAR Site Boundary
 - Proposed Turbine Locations
 - 8km Survey Area
 - Observation



Drawing Title:

**Kestrel Observations
Incidental Observations**

Project Title:

Laurclavagh Renewable Energy Development

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13.

LAPWING

Table 7-4-37 Lapwing Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
L.001	VP1	19/10/2021	11:35	Lapwing	13	75	0	0	75	0	improved agricultural grassland; travelling	PM
L.002	VP2	03/11/2021	10:57	Lapwing	43	34	0	0	34	0	improved agricultural grassland; travelling	PDC
L.003	VP2	03/11/2021	12:17	Lapwing	5	22	0	0	22	0	improved grassland; travelling	PDC
L.004	VP1	04/11/2021	14:59	Lapwing	19	78	0	0	78	0	improved agricultural grassland; travelling	PDC

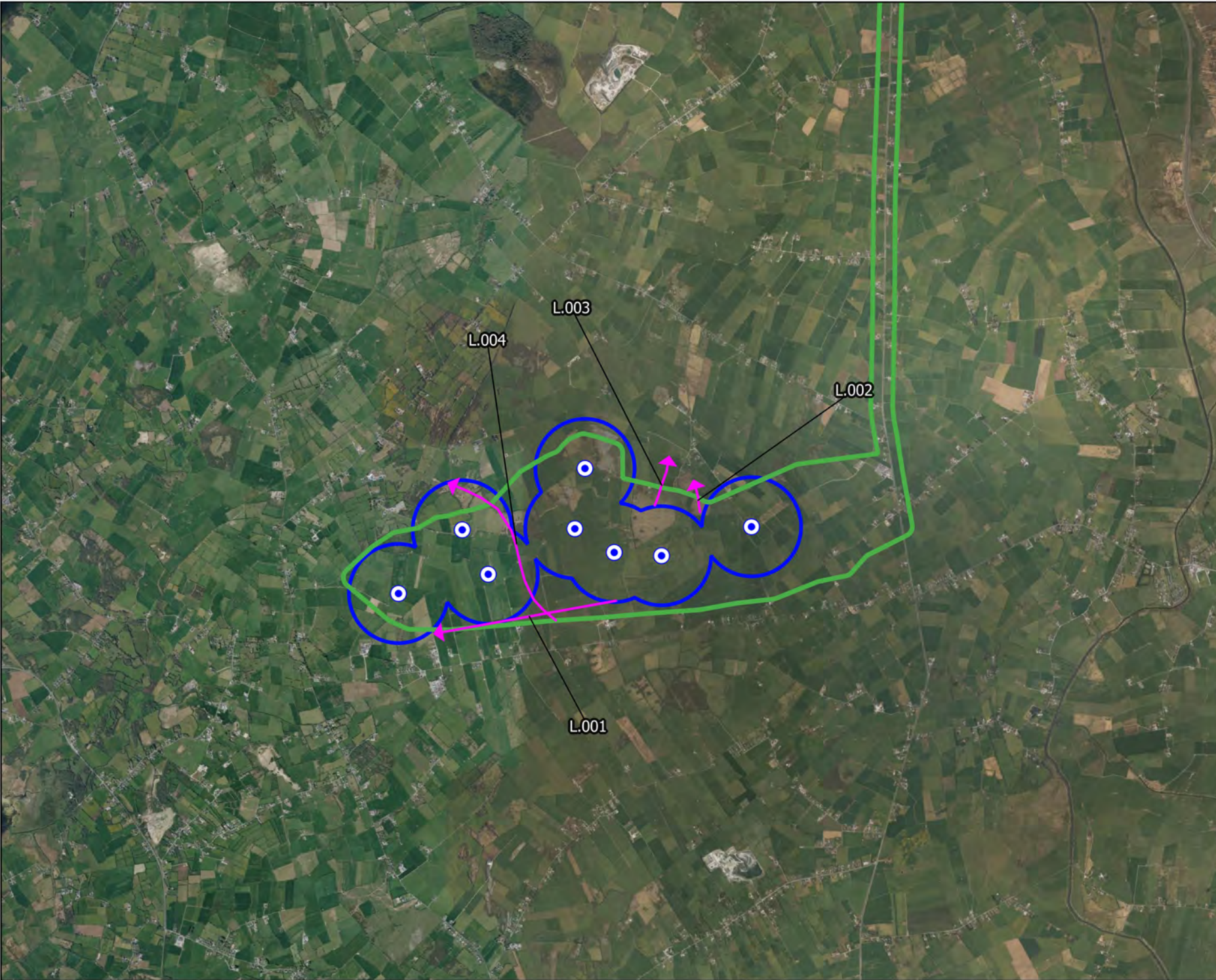
Table 7-4-38 Lapwing Waterbird Distribution and Abundance Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.001	Belclare Turlough	17/09/2020	12:07	Lapwing	6	turloughs; roosting/feeding	MP
L.002	Lough Corrib	21/10/2020	10:51	Lapwing	23	lakes and ponds; circling	MP
L.003	Belclare Turlough	04/11/2020	13:15	Lapwing	15	turloughs; feeding, terrestrial	MP
L.004	Hacket Lough	18/11/2020	13:46	Lapwing	18	lakes and ponds and amenity grassland (improved); feeding	MP
L.005	Bohercull Turlough	18/11/2020	14:00	Lapwing	8	turloughs; feeding	MP
L.006	Belclare Turlough	02/12/2020	13:07	Lapwing	97	turloughs; feeding	MP
L.007	Bohercull Turlough	02/12/2020	13:48	Lapwing	28	turloughs; terrestrial	MP
L.008	Lough Hacket	16/12/2020	13:13	Lapwing	115	lakes and ponds; circling over lough, out of sight too high	MP
L.009	Lough Corrib	16/12/2020	14:27	Lapwing	12	lakes and ponds and marsh; circling	MP
L.010	Belclare Turlough	07/01/2021	13:08	Lapwing	2	turloughs; on banks	MP
L.011	Hackett Turlough	07/01/2021	13:29	Lapwing	22	lakes and ponds; flying from e, landed on banks	MP
L.012	Lough Hacket	22/01/2021	11:28	Lapwing	88	lakes and ponds and improved agricultural grassland; feeding	MP
L.013	Belclare Turlough	09/02/2021	14:07	Lapwing	1	turloughs and improved agricultural grassland; terrestrial	MP
L.014	Bohercull Turlough	09/02/2021	14:47	Lapwing	23	turloughs and improved agricultural grassland; feeding	MP
L.015	Lough Corrib	04/03/2021	13:18	Lapwing	11	lakes and ponds and freshwater marsh; circling over lough	MP
L.016	Lough Hacket	01/04/2021	11:03	Lapwing	1	lakes and ponds and improved agricultural grassland; display flight, landed in grassland, north	MP
L.017	Lough Hacket	20/08/2021	12:07	Lapwing	1	lakes and ponds; calling, juv. calling on rock	TR
L.018	Luimnagh	17/09/2021	11:02	Lapwing	10	lakes and ponds; roosting	TR





Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.019	Luimnagh Pier	28/09/2021	12:10	Lapwing	14	lakes and ponds; roosting	TR
L.020	Ballinduff Bay	05/10/2021	12:36	Lapwing	35	mesotrophic lakes and wet grassland; flying	JK
L.021	Belclare Turlough	29/10/2021	10:23	Lapwing	6	turloughs; terrestrial	JK
L.022	Belclare Turlough	02/11/2021	09:24	Lapwing	93	turloughs; on ground	PDC
L.023	Lough Hacket	02/11/2021	10:16	Lapwing	52	lakes and ponds; on ground	PDC
L.024	Belclare Turlough	10/11/2021	09:27	Lapwing	25	turloughs; feeding	PDC
L.025	Lough Hacket	10/11/2021	10:27	Lapwing	23	improved agricultural grassland and watercourses; feeding	PDC
L.026	Derra Lower	08/12/2021	15:19	Lapwing	10	wet grassland; roosting at edge of flood	PM
L.027	Lough Hacket	09/12/2021	12:47	Lapwing	33	lakes and ponds; flying	PM
L.028	Lough Hacket	09/12/2021	13:25	Lapwing	150	lakes and ponds; circling	PM
L.029	Lough Hacket	16/12/2021	12:02	Lapwing	2	wet grassland; feeding	PM
L.030	Lough Hacket	16/12/2021	12:54	Lapwing	54	lakes and ponds; circling	PM
L.031	Lough Hacket	18/01/2022	13:28	Lapwing	80	mesotrophic lakes; flying	JK
L.032	Ballinduff Bay	02/02/2022	14:37	Lapwing	100	lakes and ponds; flying, flying east; estimate number	ZE
L.033	Lough Hacket	02/02/2022	15:15	Lapwing	200	lakes and ponds and improved agricultural grassland; flying, feeding, estimate number	ZE
L.034	Lough Hacket	14/02/2022	15:20	Lapwing	54	improved agricultural grassland and lakes and ponds; flying, feeding	ZE
L.035	Luimnagh Pier	03/08/2023	12:25	Lapwing	20	lakes and ponds; travelling, flying south east	LDV

Table 7-4-39 Lapwing Incidental Observations

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.001	Hen Harrier Roost Survey; HHVP4	02/12/2020	15:45	Lapwing	28	lakes and ponds and bogs; flying southeast	MP
L.002	Vantage Point Survey; N17 en route to VP	03/11/2021	10:30	Lapwing	7	improved agricultural grassland; travelling	PDC



Map Legend

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



Drawing Title:

**Lapwing Observations
Vantage Point Surveys**

Project Title:

Laurdavagh Renewable Energy Development

Drawn By	Checked By
KS	PM

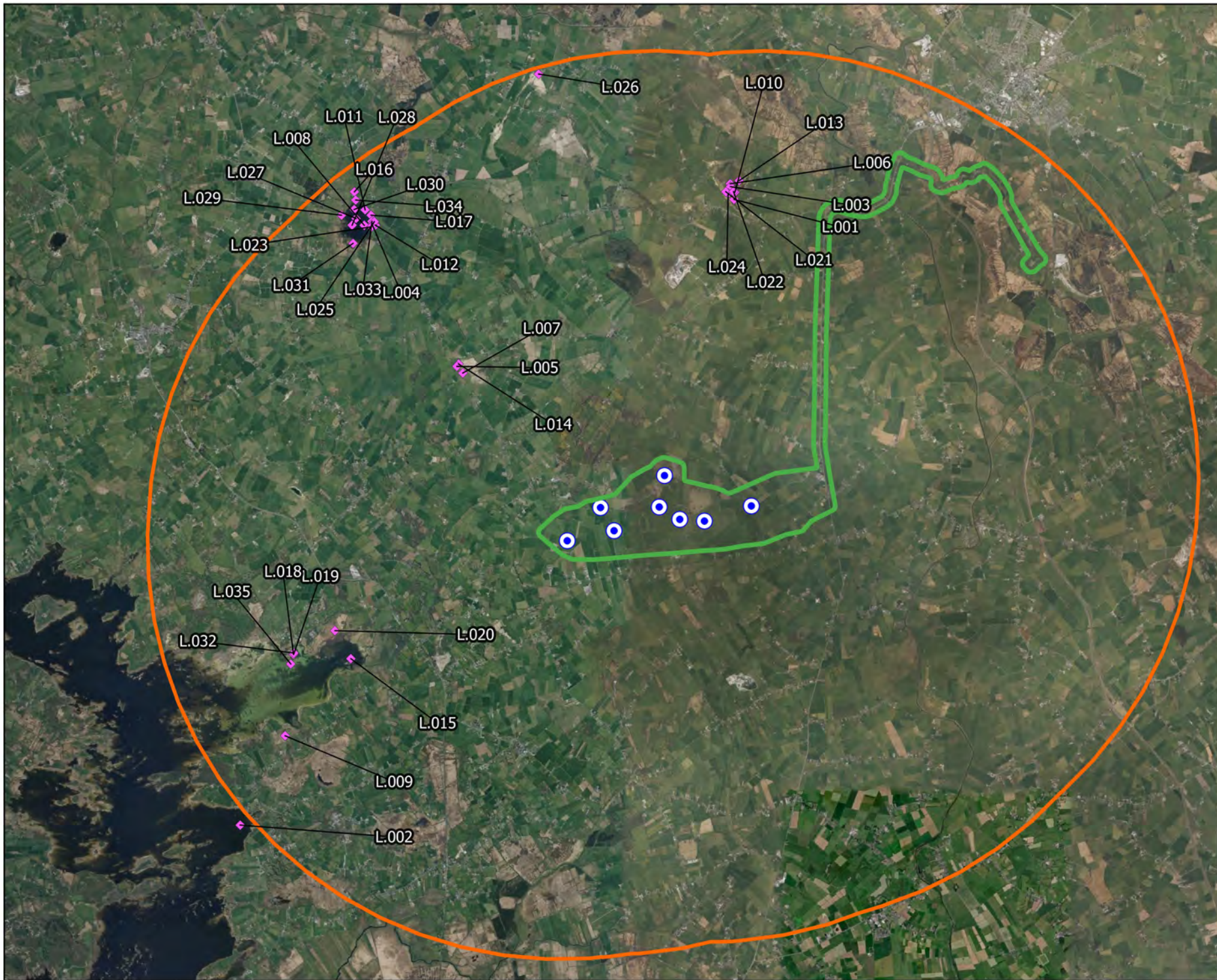
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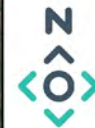
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Map Legend

- EIAR Site Boundary
- Proposed Turbine Locations
- 8km Survey Area
- ◆ Observation



Drawing Title:

Lapwing Observations
Waterbird Distribution and Abundance Surveys

Project Title:

Laurclavagh Renewable Energy Development

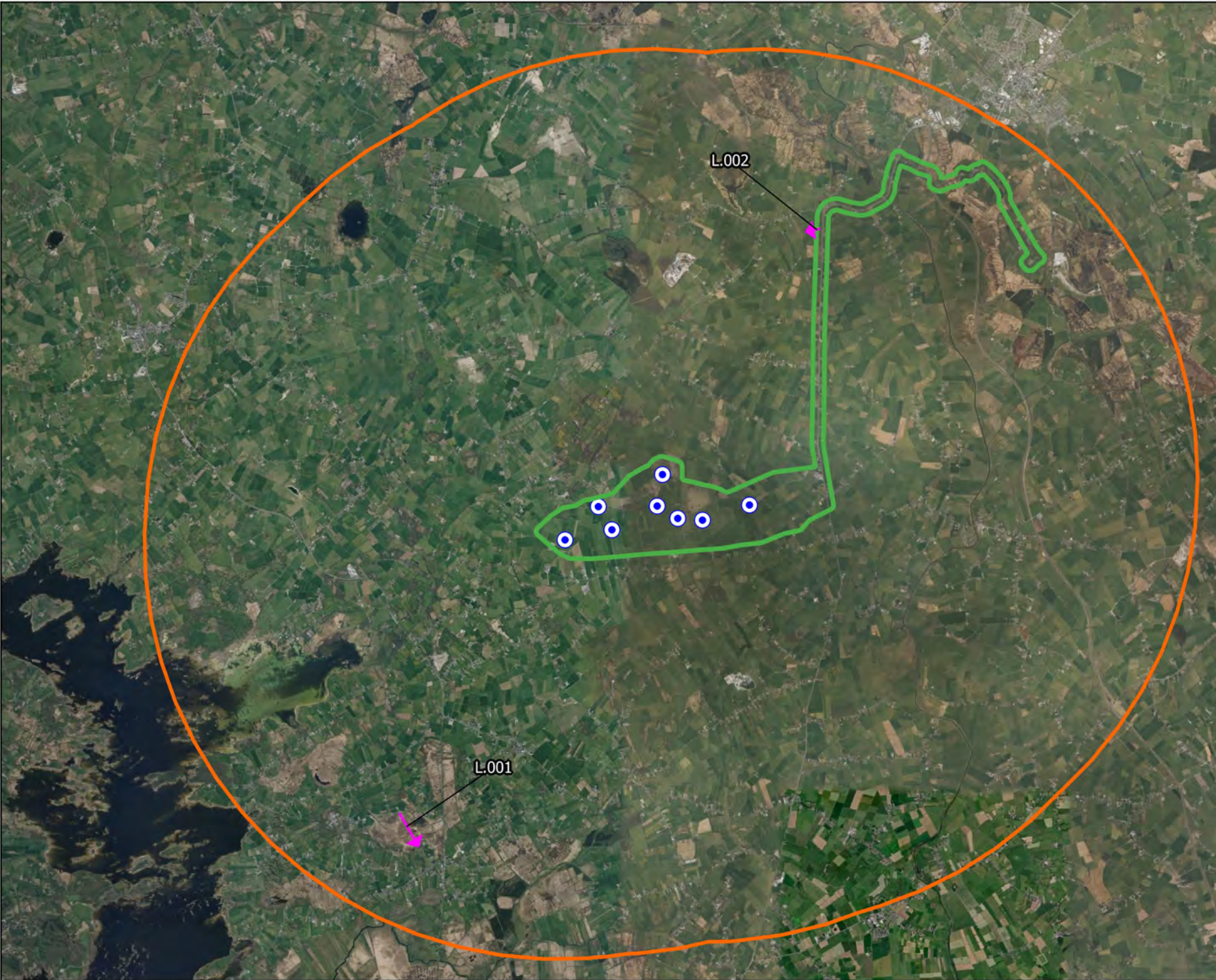
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Map Legend

-  EIAR Site Boundary
-  Proposed Turbine Locations
-  8km Survey Area
-  Observation



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Drawing Title	
Lapwing Observations Incidental Observations	
Project Title	
Laurclavagh Renewable Energy Development	
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Project No.	Drawing No.
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1:95700	09.11.2023
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14.

SNIPE

Table 7-440 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	20/11/2020	07:21	Snipe	1	-	-	-	-	-	improved agricultural grassland; calling	MP
SN002	VP1	24/02/2021	17:16	Snipe	5	5	5	0	0	0	improved agricultural grassland; flushed, briefly out of sight	MP
SN003	VP1	19/10/2021	09:02	Snipe	1	25	25	0	0	0	improved agricultural grassland; travelling/calling	PM
SN004	VP1	19/10/2021	09:16	Snipe	1	15	15	0	0	0	improved agricultural grassland; travelling/calling	PM
SN005	VP1	19/10/2021	09:25	Snipe	1	42	42	0	0	0	improved agricultural grassland; travelling/calling	PM
SN006	VP1	19/10/2021	09:55	Snipe	1	-	-	-	-	-	improved agricultural grassland; calling	PM
SN007	VP1	19/10/2021	10:34	Snipe	1	30	30	0	0	0	improved agricultural grassland; travelling/calling	PM
SN008	VP1	19/10/2021	10:58	Snipe	4	55	0	55	0	0	improved agricultural grassland; travelling	PM
SN009	VP1	19/10/2021	11:43	Snipe	2	30	0	0	30	0	improved agricultural grassland; travelling	PM
SN010	VP1	19/10/2021	11:59	Snipe	1	-	-	-	-	-	improved agricultural grassland; calling	PM
SN011	VP1	19/10/2021	13:20	Snipe	1	139	0	0	139	0	improved agricultural grassland; travelling	PM
SN012	VP1	13/01/2022	13:56	Snipe	1	60	0	50	10	0	improved agricultural grassland; calling and circling flew south	JF
SN013	VP2	10/02/2022	11:06	Snipe	1	3	3	0	0	0	In flight calling and turned back	JF
SN014	VP1	02/03/2022	12:54	Snipe	1	3	3	0	0	0	improved agricultural grassland; flew in low and dropped into grass out of view	JF
SN015	VP2	16/03/2022	18:15	Snipe	1	54	0	10	45	0	dry meadows and grassy verges; flying over	JF

Table 7-441 Snipe Winter Walkover Survey data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	14/01/2021	12:06	Snipe	1	improved agricultural grassland; flushed	MP
SN002	14/01/2021	12:12	Snipe	1	improved agricultural grassland; flushed	MP
SN003	14/01/2021	12:19	Snipe	1	improved agricultural grassland; flushed	MP

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
SN004	14/01/2021	12:35	Snipe	2	improved agricultural grassland; flushed	MP
SN005	25/02/2021	14:40	Snipe	1	improved agricultural grassland; flushed	MP
SN006	08/10/2021	11:00	Snipe	5	dry calcareous and neutral grassland; flying	JK

Table 7-4-42 Snipe Breeding Walkover Survey data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	11/04/2023	12:01	Snipe	1	bogs and improved agricultural grassland; flushed (suitable nesting habitat; possible breeder)	MH
SN002	11/04/2023	12:04	Snipe	1	bogs and improved agricultural grassland; flushed (suitable nesting habitat; possible breeder)	MH
SN003	11/04/2023	12:07	Snipe	2	bogs and improved agricultural grassland; flushed (suitable nesting habitat; possible breeder)	MH

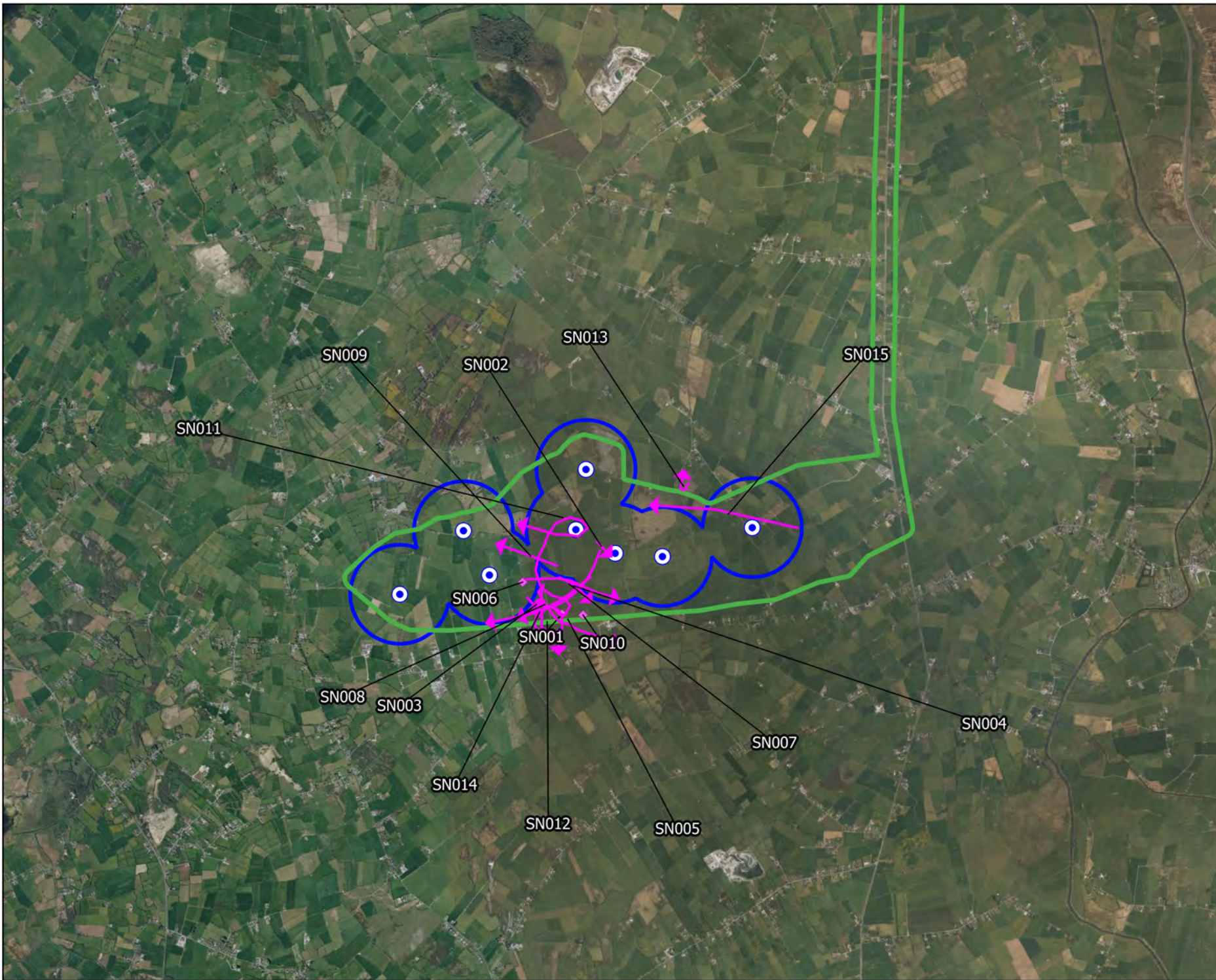
Table 7-4-43 Snipe Waterbird Distribution and Abundance Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	Lough Afoor	02/02/2022	13:23	Snipe	1	swamps; flying, flushed	ZE
SN002	Lough Hacket	02/02/2022	15:15	Snipe	1	improved agricultural grassland and lakes and ponds; flying, flushed	ZE

Table 7 - 4 - 44 Snipe Incidental Observations

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	Hen Harrier Roost Survey; HHVP1	11/10/2021	18:04	Snipe	2	dry calcareous and neutral grassland; travelling	JK
SN002	Hen Harrier Roost Survey; HHVP2	14/10/2021	19:14	Snipe	1	dry calcareous and neutral grassland; travelling	JK
SN003	Hen Harrier Roost Survey; HHVP3	22/10/2021	08:18	Snipe	1	dry calcareous and neutral grassland; flying	JK
SN004	Hen Harrier Roost Survey; HHVP4	28/10/2021	18:12	Snipe	6	turloughs; flushed	JK
SN005	Hen Harrier Roost Survey; HHVP3	08/12/2021	15:47	Snipe	1	wet grassland; travelling	PM
SN006	Hen Harrier Roost Survey; Lough Afoor	03/02/2022	15:50	Snipe	3	swamps; flying, flushed	ZE
SN007	Hen Harrier Roost Survey; Lough Afoor	03/02/2022	17:12	Snipe	1	swamps; flying	ZE
SN008	Hen Harrier Roost Survey; Lough Afoor	03/02/2022	18:13	Snipe	1	swamps; calling, no visual	ZE

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN009	Hen Harrier Roost Survey; HHVP3	14/02/2022	18:13	Snipe	6	improved agricultural grassland; flying - flushed, landed back onto the field	ZE
SN010	Hen Harrier Roost Survey; HHVP3	14/02/2022	18:28	Snipe	1	improved agricultural grassland; flying, landed onto the field	ZE
SN011	Hen Harrier Roost Survey; HHVP1	15/02/2022	17:25	Snipe	1	improved agricultural grassland; flying	ZE
SN012	Breeding Raptor Survey; BRVP3, Glennaneeny	04/04/2023	12:55	Snipe	1	improved agricultural grassland; flushed by cattle	JG



Map Legend

- EIA Site Boundary
- Proposed Turbine Locations
- 500m Radius of Turbines
- Flight Observation
- ◆ Non-Flight Observations



Drawing Title:

**Snipe Observations
Vantage Point Surveys**

Project Title:

Laurdavagh Renewable Energy Development

Drawn By:

KS

Checked By:

PM

Project No.:

210627

Drawing No.:

7-4-40

Scale:

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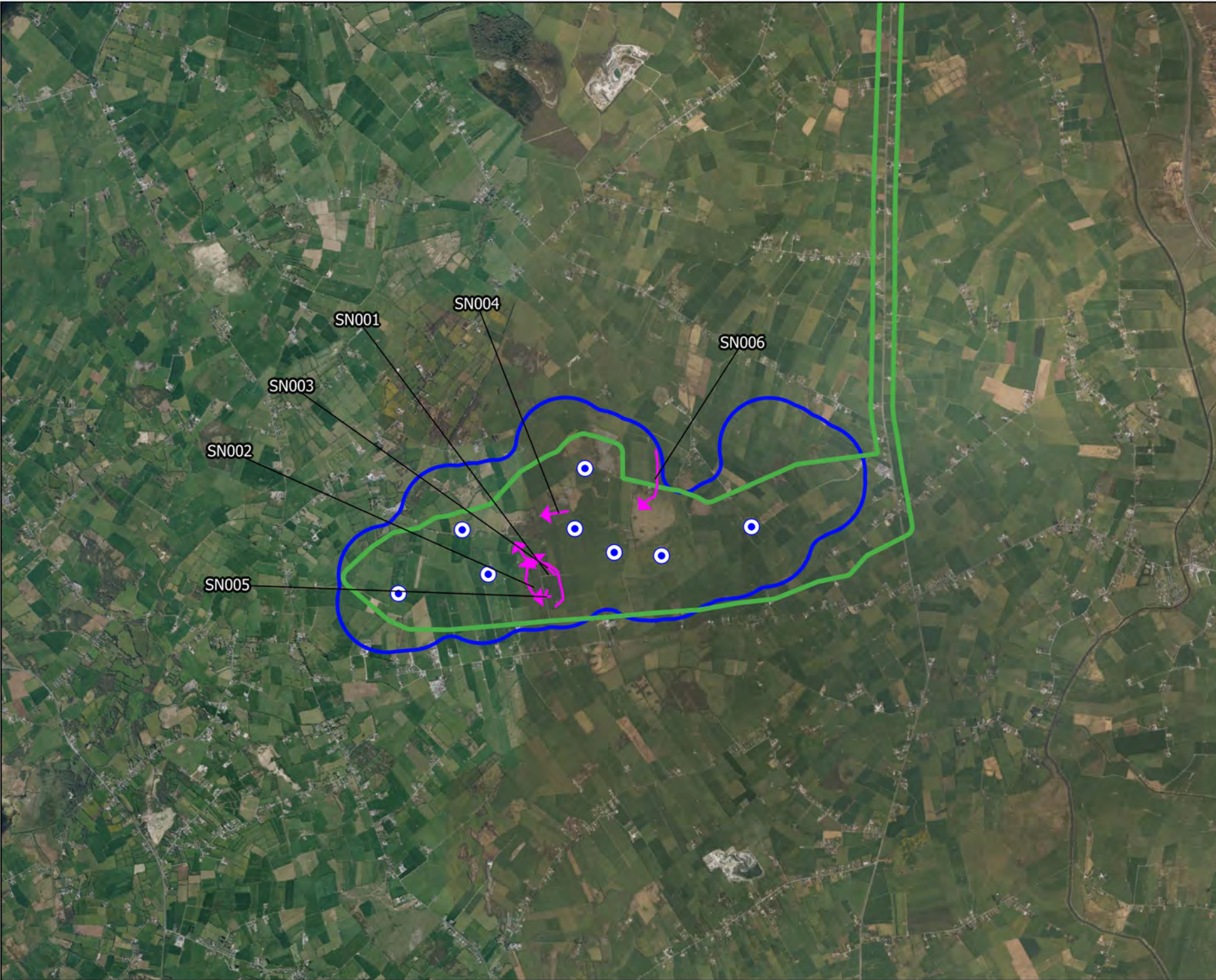
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Map Legend

- EIAR Site Boundary
- Proposed Turbine Locations
- 500m Survey Area
- Flight Observation

SN001

SN002

SN003

SN004

SN005

SN006



Drawing Title:

**Snipe Observations
Winter Walkover Surveys**

Project Title:
Laurclavagh Renewable Energy Development

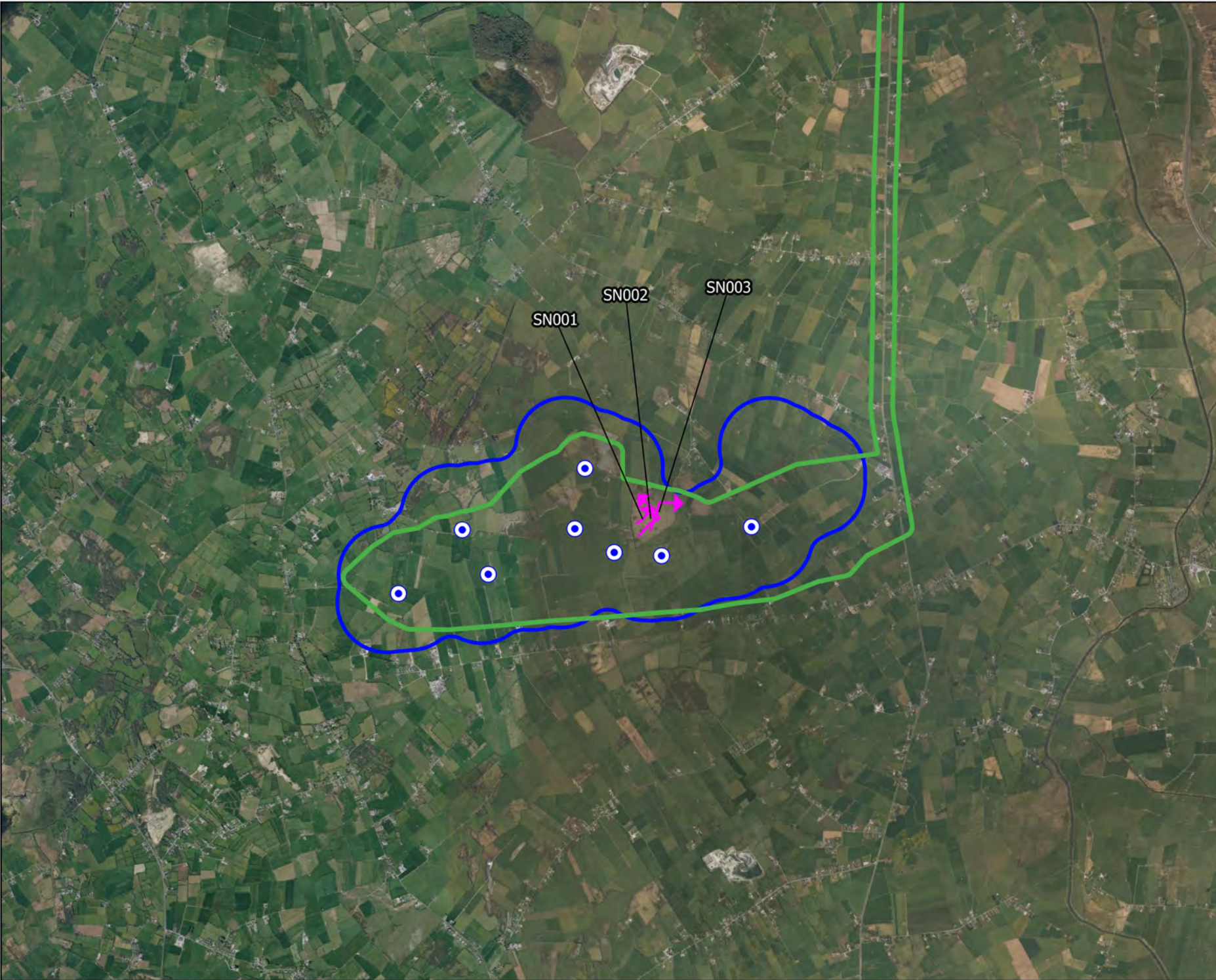
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Map Legend

- ▭ EIAR Site Boundary
- Proposed Turbine Locations
- ▭ 500m Survey Area
- ➔ Flight Observation



Drawing Title:

**Snipe Observations
Breeding Walkover Surveys**

Project Title:

Laurclavagh Renewable Energy Development

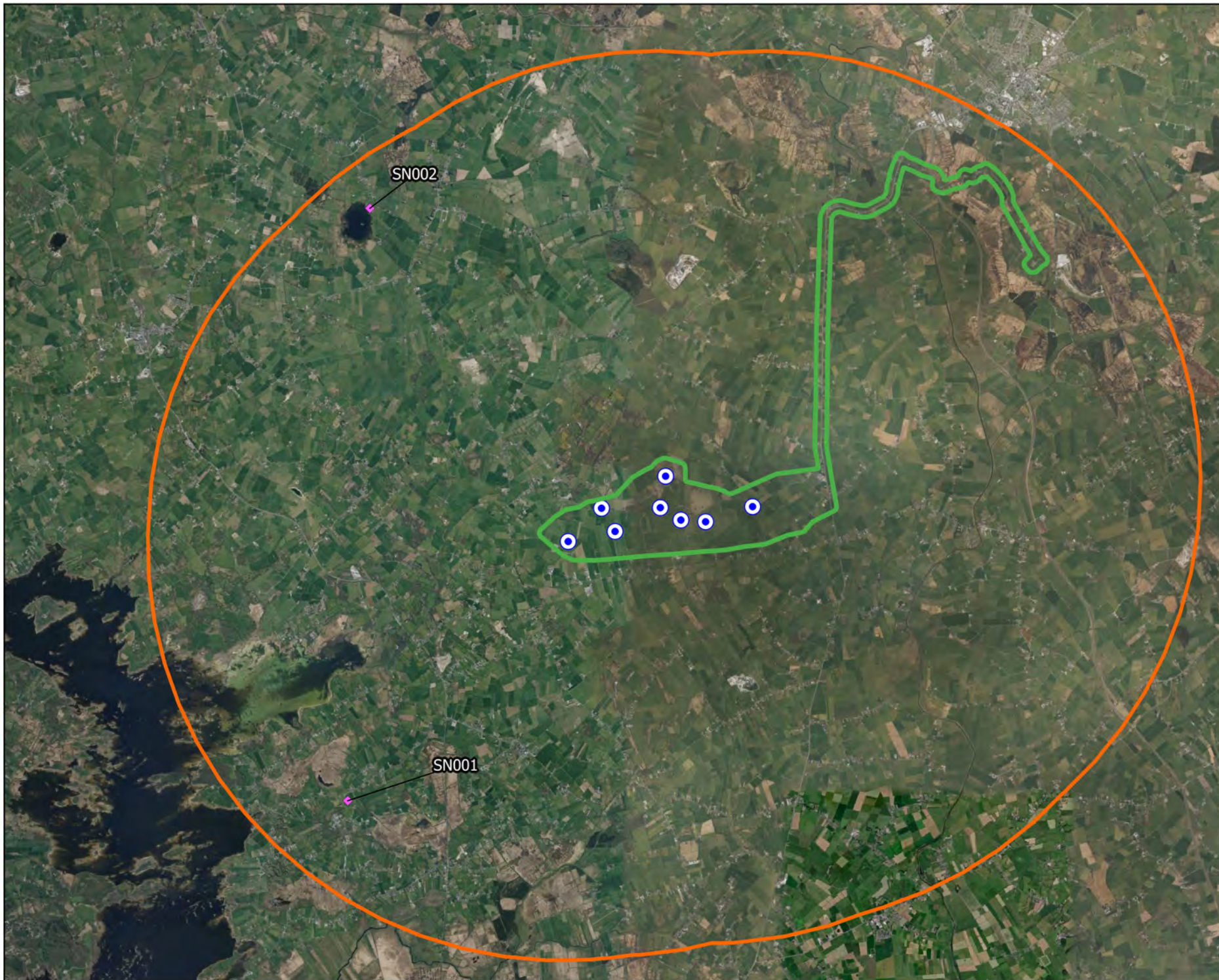
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Map Legend

-  EIA Site Boundary
-  Proposed Turbine Locations
-  8km Survey Area
-  Observation



Drawing Title:

Snipe Observations
Waterbird Distribution and Abundance Surveys

Project Title:

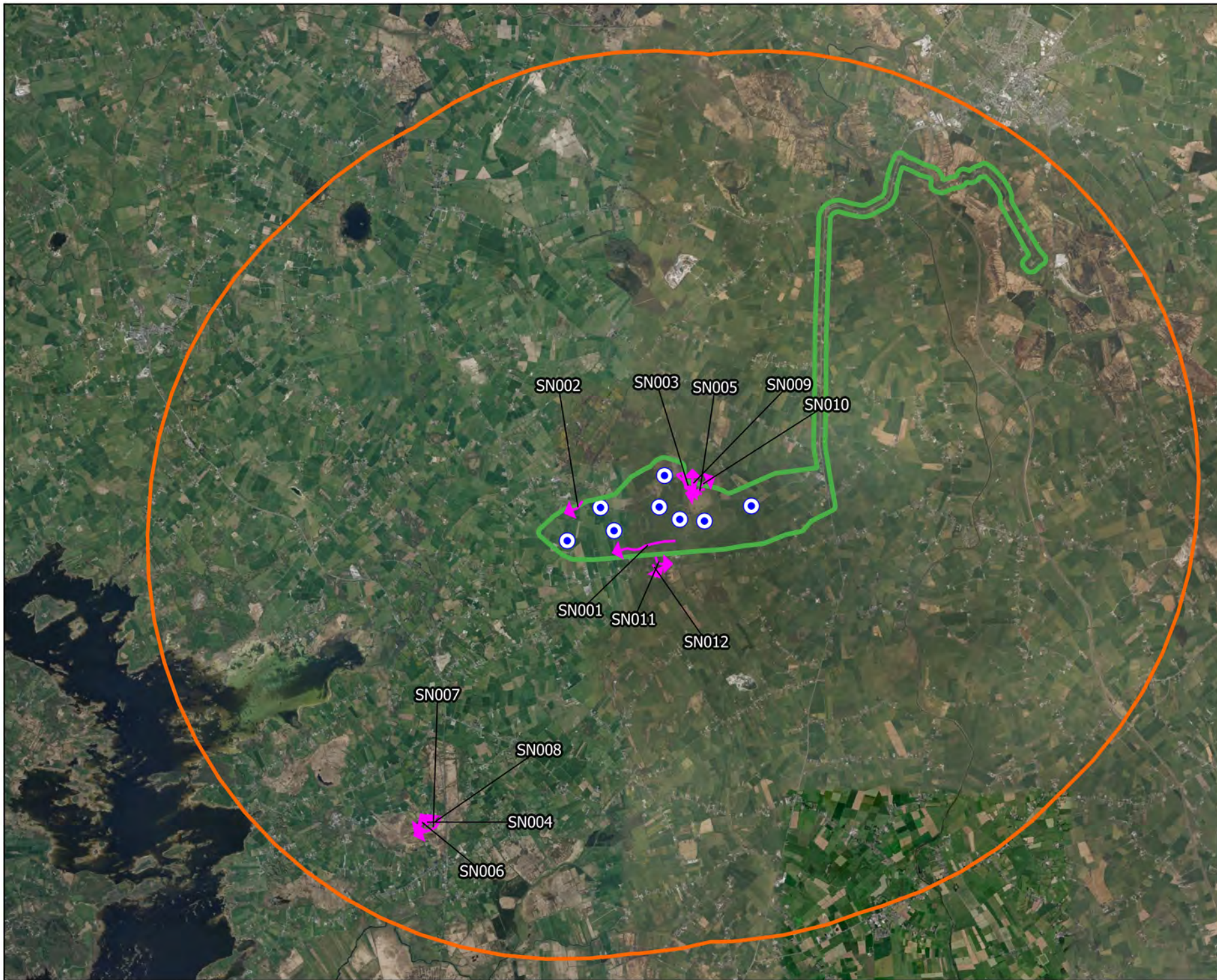
Laurclavagh Renewable Energy Development

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Project No.:	Drawing No.:
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Scale:	Date:
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- ### Map Legend
- EIA Site Boundary
 - Proposed Turbine Locations
 - 8km Survey Area
 - Observation



Drawing Title	
Snipe Observations Incidental Observations	
Project Title	
Laurclavagh Renewable Energy Development	
Drawn By	Checked By
KS	PM
Project No.	Drawing No.
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Scale	Date
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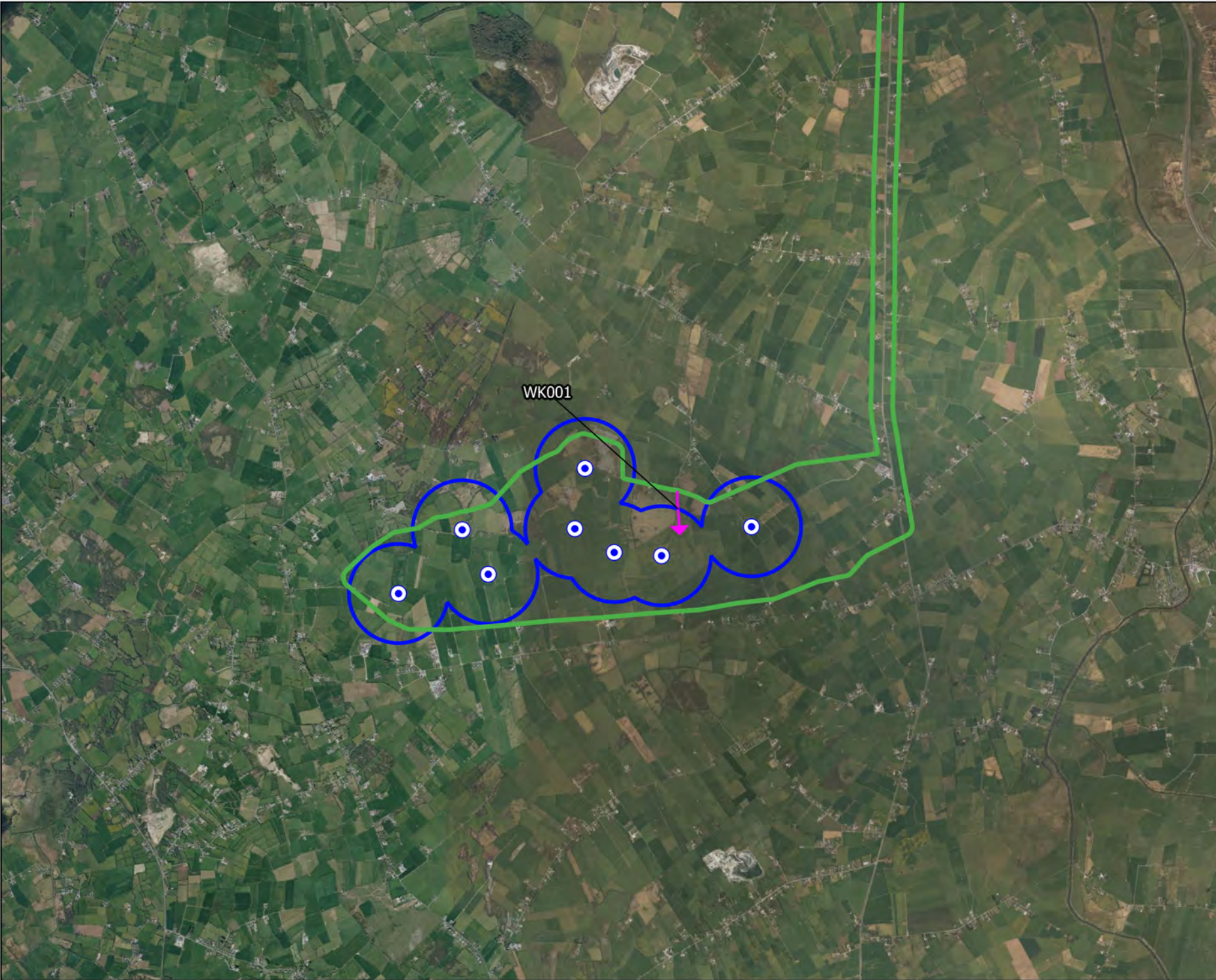
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WOODCOCK

Table 7-4-45 Woodcock Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
WK001	VP1	23/01/2022	17:34	Woodcock	1	10	10	0	0	0	grassland and marsh; flew in low after dusk	JF



Map Legend

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

WK001



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Drawing Title:
Woodcock Observations
Vantage Point Surveys

Project Title:
Laurdavagh Renewable Energy Development

Drawn By: KS	Checked By: PM
Project No.: 210627	Drawing No.: 7-4-45
Scale: 1:50000	Date: 09.11.2023

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16.

BUZZARD

Table 7-4-46 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	VP2	11/06/2020	10:31	Buzzard	1	22	0	22	0	0	improved agricultural grassland; hunting/soaring	MP
BZ002	VP1	25/06/2020	13:32	Buzzard	1	45	0	0	45	0	improved agricultural grassland and dry calcareous and neutral grassland; soaring, mobbed by hooded crow	MP
BZ003	VP2	09/07/2020	13:45	Buzzard	1	143	0	0	100	43	improved agricultural grassland; soaring/circling high towards east	MP
BZ004	VP1	16/07/2020	11:23	Buzzard	1	5	5	0	0	0	improved agricultural grassland and dry calcareous and neutral grassland; heard mewing. brief sight of it flying over woody patch	MP
BZ005	VP1	01/09/2020	15:35	Buzzard	1	92	0	40	52	0	improved agricultural grassland; hovering over grassland. mobbed by hooded crow and passerines	MP
BZ006	VP1	01/09/2020	16:20	Buzzard	2	77	41	36	0	0	improved agricultural grassland; circling very low over grassland. mobbed by 3 hooded crow, flew off NW	MP
BZ007	VP1	01/09/2020	17:11	Buzzard	1	21	0	21	0	0	improved agricultural grassland; travelling south	MP
BZ008	VP1	01/09/2020	19:13	Buzzard	1	10	10	0	0	0	improved agricultural grassland; flew and perched on tree. took off after c.5min and flew low over grassland	MP
BZ009	VP1	18/09/2020	11:02	Buzzard	1	30	0	0	30	0	improved agricultural grassland; soaring	MP
BZ010	VP1	18/09/2020	11:36	Buzzard	1	137	0	0	137	0	improved agricultural grassland; circling	MP
BZ011	VP2	14/10/2020	13:52	Buzzard	1	42	0	0	42	0	improved agricultural grassland; chased by 2 hooded crow	MP
BZ012	VP2	14/10/2020	14:12	Buzzard	1	98	0	0	98	0	improved agricultural grassland; circling	MP
BZ013	VP1	29/01/2021	10:12	Buzzard	1	31	0	31	0	0	improved agricultural grassland and dry calcareous and neutral grassland; bullied by hooded crow	MP
BZ014	VP1	29/01/2021	13:05	Buzzard	1	5	5	0	0	0	improved agricultural grassland; flying very low	MP

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
BZ015	VP1	29/01/2021	13:17	Buzzard	1	24	24	0	0	0	improved agricultural grassland; mobbed by hooded crow	MP
BZ016	VP2	05/03/2021	11:43	Buzzard	1	357	0	0	375	0	improved agricultural grassland and mixed broadleaved woodland; hunting, circling	MP
BZ017	VP2	07/04/2021	17:28	Buzzard	1	240	0	0	180	0	grassland, arable crops and linear woodland/scrub; flying, lost height in latter half of flight	PT
BZ018	VP2	02/05/2021	05:45	Buzzard	1	35	0	0	0	0	woodland and scrub; flying	PT
BZ019	VP2	02/05/2021	05:58	Buzzard	1	170	5	5	160	0	grassland and woodland and scrub; descending, dropped down at end of flight	PT
BZ020	VP2	03/06/2021	09:01	Buzzard	1	25	5	5	15	0	grassland and woodland and scrub; dropped down, interacting with raven	PT
BZ021	VP1	30/07/2021		Buzzard	1	130	0	0	130	0	improved agricultural grassland and semi-natural woodland; soaring, flying, hunting	JC
BZ022	VP1	30/07/2021		Buzzard	1	50	0	10	40	0	improved agricultural grassland; soaring and flying	JC
BZ023	VP1	24/08/2021	12:37	Buzzard	2	239	0	0	239	0	improved agricultural grassland and treelines; soaring, came up behind vantage point and climbed moving over vantage point. lost against sun. attracted attention of 1 raven.	PDC
BZ024	VP1	24/08/2021	12:44	Buzzard	1	48	0	0	48	0	improved agricultural grassland; travelling, mobbed by 2 raven. presumably one of previous buzzard heading back	PDC
BZ025	VP2	29/10/2021	12:35	Buzzard	1	116	0	0	116	0	improved agricultural grassland; soaring/travelling	PM
BZ026	VP1	23/01/2022	13:20	Buzzard	1	10	10	0	0	0	grassland; flying low dropped out of view	JF
BZ027	VP1	23/01/2022	14:59	Buzzard	1	52	0	15	37	0	grassland; hunting	JF
BZ028	VP1	23/01/2022	15:54	Buzzard	1	99	0	0	99	0	grassland; flying	JF
BZ029	vp2	10/02/2022	08:30	Buzzard	1	26	5	21	0	0	dry meadows and grassy verges and improved agricultural grassland; mobbed by crows dropped out of view	JF
BZ030	VP1	14/02/2022	10:28	Buzzard	1	30	0	30	0	0	circling and soaring	JF
BZ031	VP1	14/02/2022	11:50	Buzzard	2	58	8	40	10	0	circling close together	JF

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	14/02/2022	13:09	Buzzard	1	89	0	79	10	0	Circling and moving north difficult to follow as loads of gulls and corvids flying around the area. Lost and picked up again.	JF
BZ033	VP1	14/02/2022	13:13	Buzzard	1	150	0	150	0	0	improved agricultural grassland; flying	JF
BZ034	VP1	02/03/2022	16:03	Buzzard	1	91	10	81	0	0	improved agricultural grassland and dry meadows and grassy verges; buzzard mobbed by gulls	JF
BZ035	VP1	02/03/2022	17:09	Buzzard	1	65	30	35	0	0	improved agricultural grassland, treelines and scrub; flew and perched in tree	JF
BZ036	VP1	02/03/2022	17:30	Buzzard	1	66	40	26	0	0	improved agricultural grassland, immature woodland and scrub; remained on perch for approx. 10 minutes and then flew off mobbed by corvids	JF
BZ037	VP2	16/03/2022	13:35	Buzzard	1	2	0	2	0	0	improved agricultural grassland and scrub; flying over, seen very briefly	JF
BZ038	VP2	16/03/2022	14:19	Buzzard	1	60	5	5	50	0	improved agricultural grassland and treelines; circling dropped into trees	JF
BZ039	VP2	16/03/2022	14:27	Buzzard	1	229	0	10	39	190	circling upwards, disappearing	JF
BZ040	VP2	16/03/2022	14:39	Buzzard	1	185	0	10	80	95	improved agricultural grassland and scrub; first seen calling in band 2, gaining altitude on thermals circling high up before descending and dropping out of view	JF
BZ041	VP2	16/03/2022	14:40	Buzzard	1	95	0	45	40	0	improved agricultural grassland and scrub; seen at same time as 9, appeared to drop into the same spot as first bird in quick succession	JF
BZ042	VP2	16/03/2022	15:44	Buzzard	1	8	8	0	0	0	treelines; brief flight dropped out of view	JF
BZ043	VP1	14/04/2023	08:13	Buzzard	1	-	-	-	-	-	improved agricultural grassland; perched on tree	PM
BZ044	VP1	14/04/2023	09:45	Buzzard	2	30	30	0	0	0	improved agricultural grassland; flew into field, landed and began feeding on worms	PM
BZ045	VP1	14/04/2023	09:57	Buzzard	1	240	0	0	240	0	improved agricultural grassland; travelling	PM
BZ046	VP1	14/04/2023	10:24	Buzzard	2	100	0	20	80	0	improved agricultural grassland; circling; landed in tree	PM

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
BZ047	VP1	14/04/2023	10:28	Buzzard	3	47	47	0	0	0	improved agricultural grassland; circling tree before settling again	PM
BZ048	VP1	14/04/2023	10:31	Buzzard	3	27	27	0	0	0	improved agricultural grassland; circling tree before settling again	PM
BZ049	VP1	14/04/2023	10:43	Buzzard	2	275	0	0	0	275	improved agricultural grassland; soaring	PM
BZ050	VP1	14/04/2023	10:56	Buzzard	2	238	0	0	0	238	improved agricultural grassland; soaring	PM
BZ051	VP1	14/04/2023	11:06	Buzzard	1	15	0	15	0	0	wet grassland; hunting	PM
BZ052	VP1	14/04/2023	11:13	Buzzard	2	87	0	0	87	0	improved agricultural grassland; travelling	PM
BZ053	VP1	14/04/2023	11:19	Buzzard	1	40	0	40	0	0	improved agricultural grassland; hunting, landed in field after being mobbed by hooded crow	PM
BZ054	VP1	14/04/2023	11:31	Buzzard	4	115	0	0	115	0	improved agricultural grassland; circling, landed in tree	PM
BZ055	VP1	14/04/2023	12:03	Buzzard	2	170	0	70	100	0	improved agricultural grassland; travelling	PM
BZ056	VP1	08/05/2023	16:10	Buzzard	2	54	10	54	0	0	improved grassland and semi-natural woodland; travelling	LDV
BZ057	VP1	08/05/2023	16:49	Buzzard	3	710	160	100	400	0	improved grassland; travelling, circling around at low heights. 2 perched for 50s at 500s	LDV
BZ058	VP2	16/05/2023	17:30	Buzzard	1	300	0	0	50	250	improved grassland; travelling	LDV
BZ059	VP2	16/05/2023	17:31	Buzzard	1	10	0	0	10	0	improved grassland; travelling, briefly seen when with first buzzard	LDV
BZ060	VP2	16/05/2023	17:37	Buzzard	1	270	0	0	270	0	improved grassland; travelling	LDV
BZ061	VP2	16/05/2023	20:55	Buzzard	1	74	0	74	0	0	improved grassland; travelling, it was being mobbed by hooded crows	LDV
BZ062	VP2	14/06/2023	12:01	Buzzard	1	670	0	0	670	0	improved grassland and semi-natural woodland; travelling, was calling at start	LDV
BZ063	VP2	14/06/2023	12:02	Buzzard	1	125	0	0	125	0	improved grassland and semi-natural woodland; travelling, was calling	LDV
BZ065	VP2	14/06/2023	12:30	Buzzard	1	246	0	100	146	0	improved grassland and semi-natural woodland; travelling, was always near the other buzzard who was displaying near it	LDV
BZ067	VP1	05/09/2023	12:11	Buzzard	1	89	60	29	0	0	improved grassland; travelling, perched for 5sec, was mobbed by hooded crow	LDV

Table 7-4-47 Buzzard Winter Walkover Survey data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ001	25/02/2021	14:42	Buzzard	1	improved agricultural grassland; circling, soaring	MP

Table 7-4-48 Buzzard Breeding Walkover Survey data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ001	24/04/2020	12:07	Buzzard	1	improved agricultural grassland; soaring (flyover; non-breeding)	MP
BZ002	14/05/2020	14:20	Buzzard	1	improved agricultural grassland; soaring (flyover; non-breeding)	MP
BZ003	14/05/2020	14:30	Buzzard	1	improved agricultural grassland and dry calcareous and neutral grassland; spotted perched on post. flew to tree. mobbed by hooded crow. soared up to the potential collision height (high) for at least 3min (flyover; non-breeding)	MP
BZ004	25/06/2021	13:12	Buzzard	1	improved agricultural grassland and mixed broadleaved woodland; chased by hooded crow (suitable nesting habitat; possible breeder)	MP
BZ005	29/07/2021	11:22	Buzzard	1	improved agricultural grassland; soaring (suitable nesting habitat; possible breeder)	MP
BZ006	29/07/2021	11:43	Buzzard	1	improved agricultural grassland; hunting low (suitable nesting habitat; possible breeder)	MP
BZ007	18/05/2023	09:26	Buzzard	1	improved grassland and scrub/transitional woodland; travelling (suitable nesting habitat; possible breeder)	LDV
BZ008	18/05/2023	11:52	Buzzard	1	improved grassland and scrub/transitional woodland; travelling (suitable nesting habitat; possible breeder)	LDV
BZ009	06/06/2023	11:33	Buzzard	1	improved grassland; travelling (suitable nesting habitat; possible breeder)	LDV
BZ010	11/07/2023	12:44	Buzzard	3	improved grassland and scrub/transitional woodland; soaring (suitable nesting habitat; possible breeder)	LDV

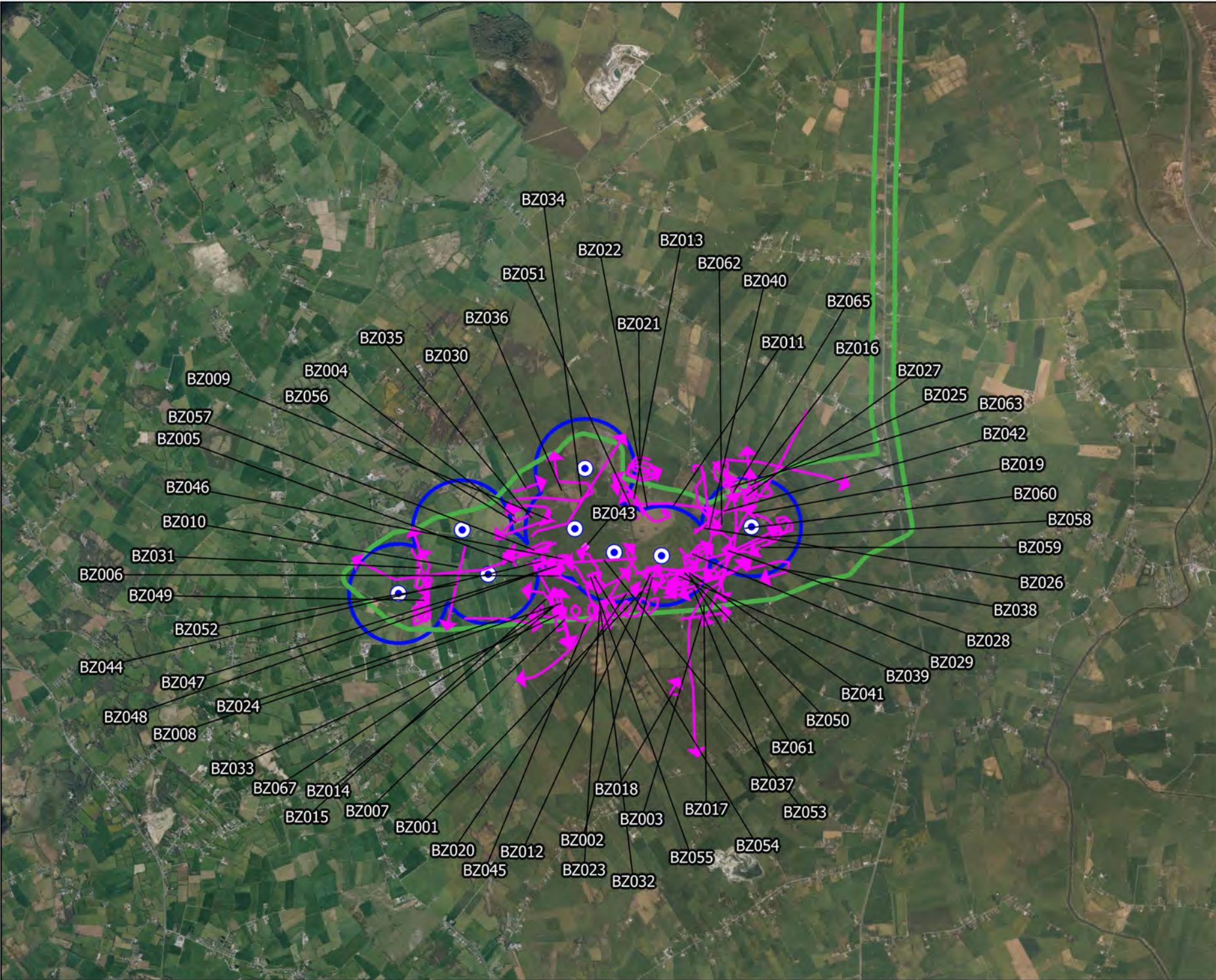
Table 7-4-49 Buzzard Breeding Raptor Survey data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ001	BR6	28/04/2020	13:10	Buzzard	1	improved agricultural grassland and dry calcareous and neutral grassland, hunting, buzzard bullied by hooded crow over grassland, perched on post for 2min, continued low to west	non-breeding	MP
BZ002	BR6	28/04/2020	13:20	Buzzard	1	improved agricultural grassland and dry calcareous and neutral grassland, circling/soaring, buzzard circling over grassland, then soared e, took altitude and soared s. came back, stooped down and perched on tree and multiple posts	non-breeding	MP
BZ003	BR6	28/04/2020	14:00	Buzzard	1	improved agricultural grassland, dry calcareous and neutral grassland and mixed broadleaved woodland, flying, flew low towards woodland/shrub out of sight	non-breeding	MP
BZ005	BR10	27/05/2020	12:55	Buzzard	1	improved agricultural grassland, soaring /circling /hunting mid-site. flight at the potential collision height, out of sight too high	non-breeding	MP
BZ006	BR10	27/05/2020	13:05	Buzzard	1	improved agricultural grassland, soaring/hunting over grassland to north. turned back s, flew overhead with legs hanging and headed southwest	non-breeding	MP
BZ007	BR7	18/06/2021	12:00	Buzzard	1	improved agricultural grassland, hunting on perch	suitable nesting habitat; possible breeder	MP
BZ008	BR2	19/05/2023	14:45	Buzzard	1	improved grassland, travelling	suitable nesting habitat; possible breeder	LDV
BZ009	BR2	19/05/2023	14:46	Buzzard	1	improved grassland, travelling	suitable nesting habitat; possible breeder	LDV
BZ010	BR2	19/05/2023	14:46	Buzzard	1	improved grassland, travelling, lost him in the sky, was flying really high	suitable nesting habitat; possible breeder	LDV
BZ011	BR2	19/05/2023	14:59	Buzzard	1	improved grassland, travelling	suitable nesting habitat; possible breeder	LDV
BZ012	BR2	19/05/2023	15:12	Buzzard	1	improved grassland, hunting, was hovering like a kestrel	suitable nesting habitat; possible breeder	LDV
BZ013	BR2	19/05/2023	15:18	Buzzard	1	improved grassland, hunting	suitable nesting habitat; possible breeder	LDV
BZ014	BR2	19/05/2023	15:33	Buzzard	2	improved grassland, hunting	suitable nesting habitat; possible breeder	LDV
BZ015	BR2	19/05/2023	16:07	Buzzard	1	improved grassland, travelling, was flying extremely low (-15m)	suitable nesting habitat; possible breeder	LDV

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ016	BR2	19/05/2023	16:19	Buzzard	1	improved grassland, travelling	suitable nesting habitat; possible breeder	LDV
BZ017	BR3	22/05/2023	15:37	Buzzard	1	improved grassland, hunting	suitable nesting habitat; possible breeder	LDV
BZ018	BR4	23/05/2023	12:10	Buzzard	1	improved grassland, travelling	suitable nesting habitat; possible breeder	LDV
BZ019	BR4	23/05/2023	12:53	Buzzard	1	improved grassland, travelling	suitable nesting habitat; possible breeder	LDV
BZ022	BR2	02/06/2023	10:37	Buzzard	1	improved grassland, travelling	suitable nesting habitat; possible breeder	LDV
BZ023	BR2	02/06/2023	10:37	Buzzard	1	improved grassland, hunting	suitable nesting habitat; possible breeder	LDV
BZ024	BR2	02/06/2023	10:44	Buzzard	1	improved grassland, travelling	suitable nesting habitat; possible breeder	LDV
BZ025	BR2	02/06/2023	10:44	Buzzard	1	improved grassland, travelling	suitable nesting habitat; possible breeder	LDV
BZ026	BR2	02/06/2023	13:06	Buzzard	1	improved grassland, hunting	suitable nesting habitat; possible breeder	LDV
BZ028	BR2	28/07/2023	09:28	Buzzard	1	improved grassland and semi-natural woodland, hunting	suitable nesting habitat; possible breeder	LDV

Table 7-4-50 Buzzard Incidental Observations

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ001	Vantage Point Survey; VP1	22/04/2020		Buzzard	1	perched in tree	MP
BZ002	Hen Harrier Roost Survey; HHVP1	19/02/2021	18:13	Buzzard	1	improved agricultural grassland; flying low	MP
BZ003	Waterbird Distribution Survey; Lough Afoor	28/05/2021	14:40	Buzzard	4	freshwater marsh and improved grassland; travelling, soaring, calling	TR
BZ004	Waterbird Distribution Survey; Tonamace	28/09/2021	11:06	Buzzard	1	improved agricultural grassland; roosting, perched on pole in field	TR
BZ006	Hen Harrier Roost Survey; HHVP2	14/10/2021	18:34	Buzzard	1	dry calcareous and neutral grassland; travelling	JK
BZ007	Waterbird Distribution Survey; Annaghdown Pier	15/02/2022	13:48	Buzzard	1	lakes and ponds and improved agricultural grassland; flying, from east to northwest direction	ZE



- ### Map Legend
-  EIAR Site Boundary
 -  Proposed Turbine Locations
 -  500m Radius of Turbines
 -  Flight Observation
 -  Non-Flight Observation



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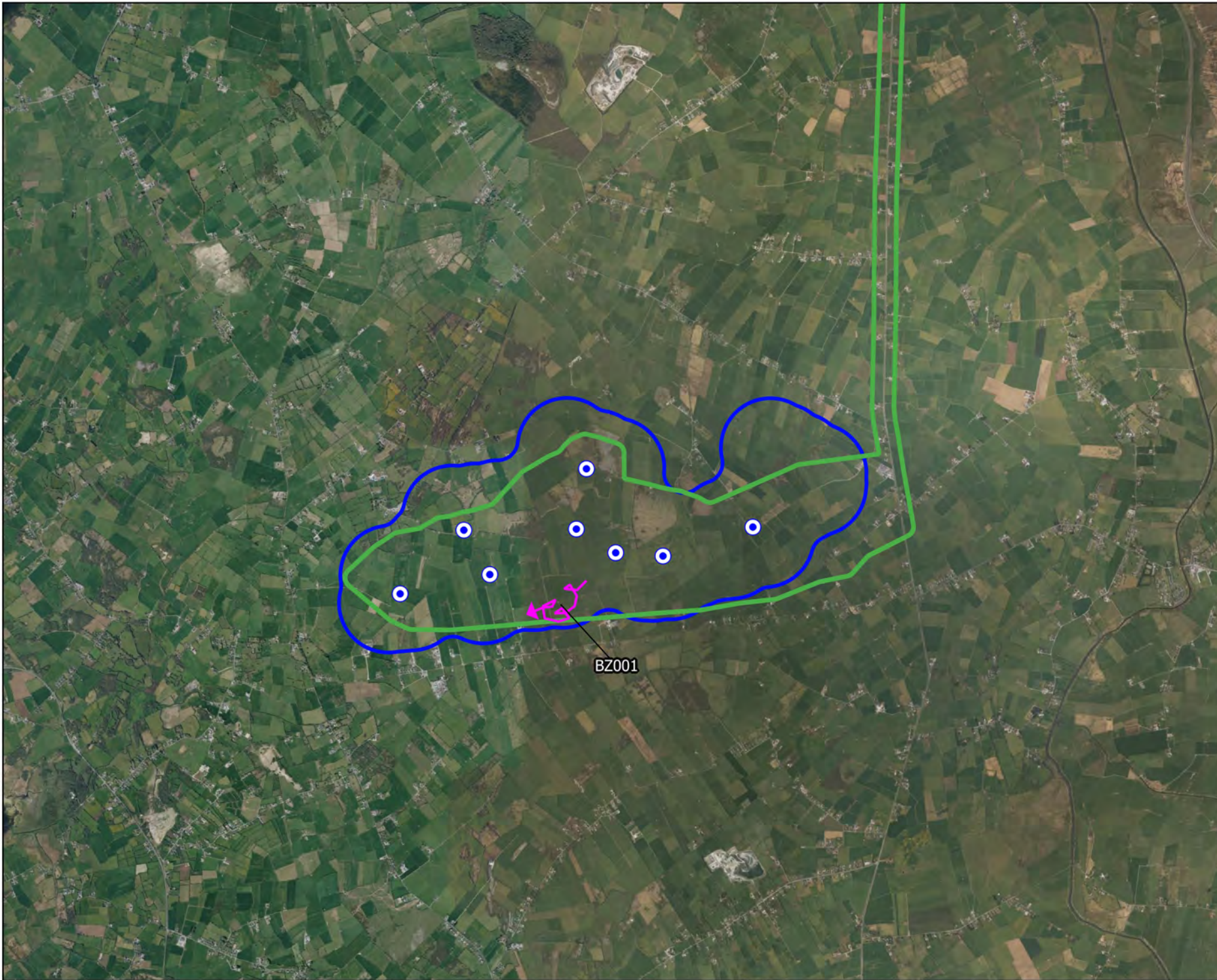
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**Buzzard Observations
Vantage Point Surveys**

Project Title:
Laurdavagh Renewable Energy Development





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Project No.: 210627	Drawing No.: 7-4-46
Scale: 1:50000	Date: 09.11.2023



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Map Legend

-  EIAR Site Boundary
-  Proposed Turbine Locations
-  500m Survey Area
-  Flight Observation



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Drawing Title:

**Buzzard Observations
Winter Walkover Surveys**

Project Title:

Laurclavagh Renewable Energy Development

Drawn By:

KS

Checked By:

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Project No.:

210627

Drawing No.:

7-4-47

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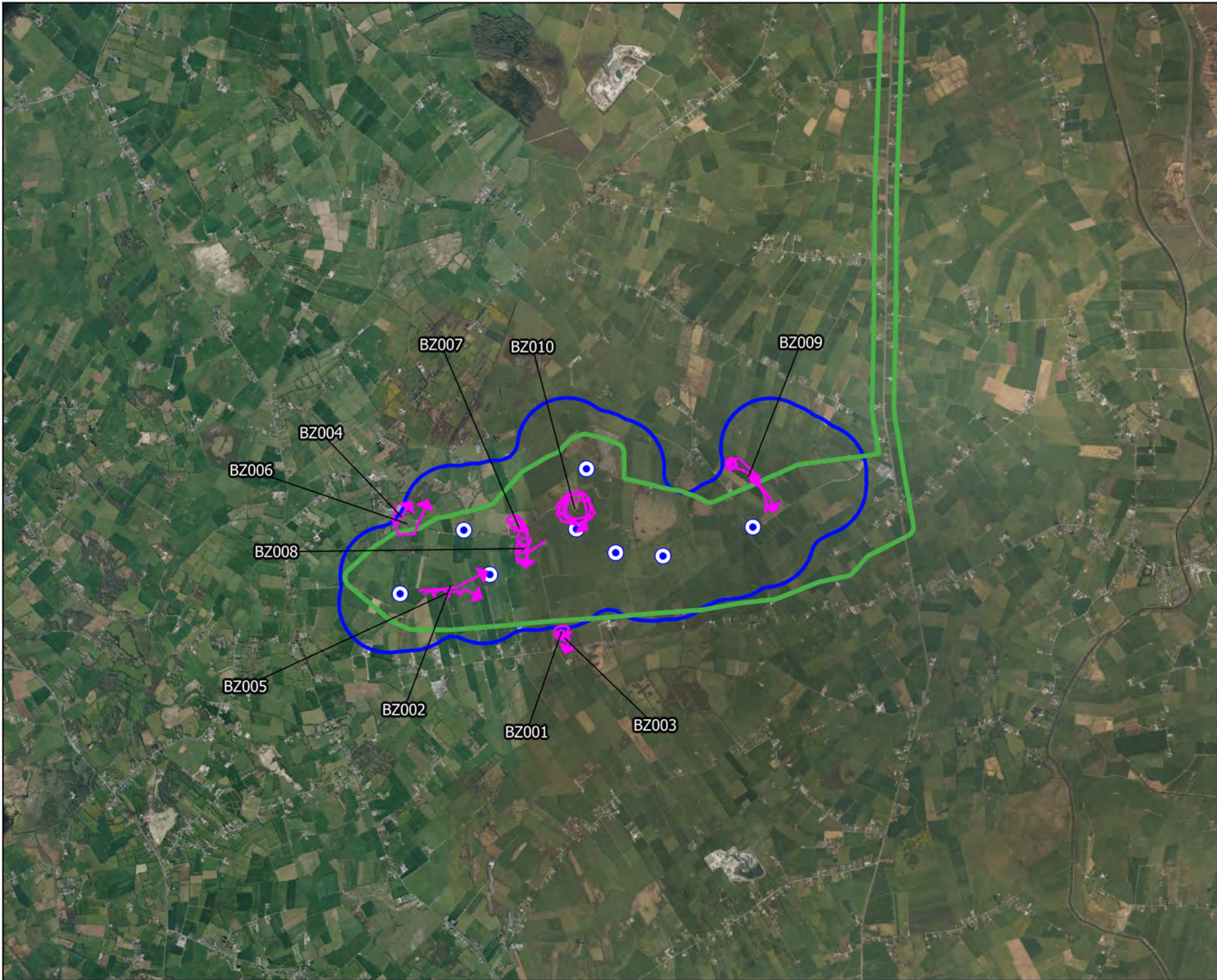
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Map Legend

-  EIAR Site Boundary
-  Proposed Turbine Locations
-  500m Survey Area
-  Flight Observation

BZ007 BZ010 BZ009

BZ004

BZ006

BZ008

BZ005

BZ002

BZ001 BZ003



Drawing Title:

**Buzzard Observations
Breeding Walkover Surveys**

Project Title:

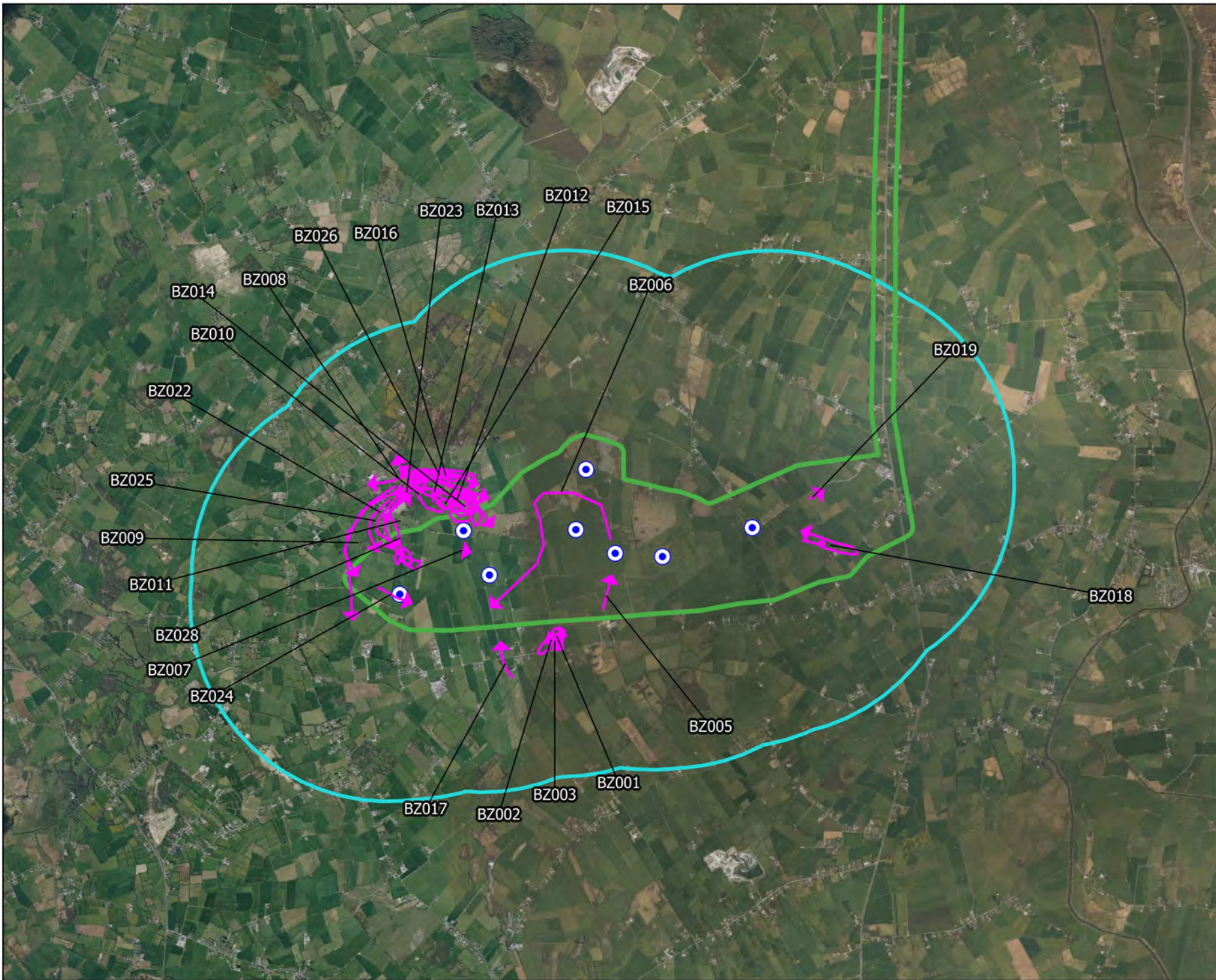
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Scale	Date
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Map Legend

- EIAR Site Boundary
- Proposed Turbine Locations
- 2km Survey Area
- ➔ Flight Observation



Drawing Title:

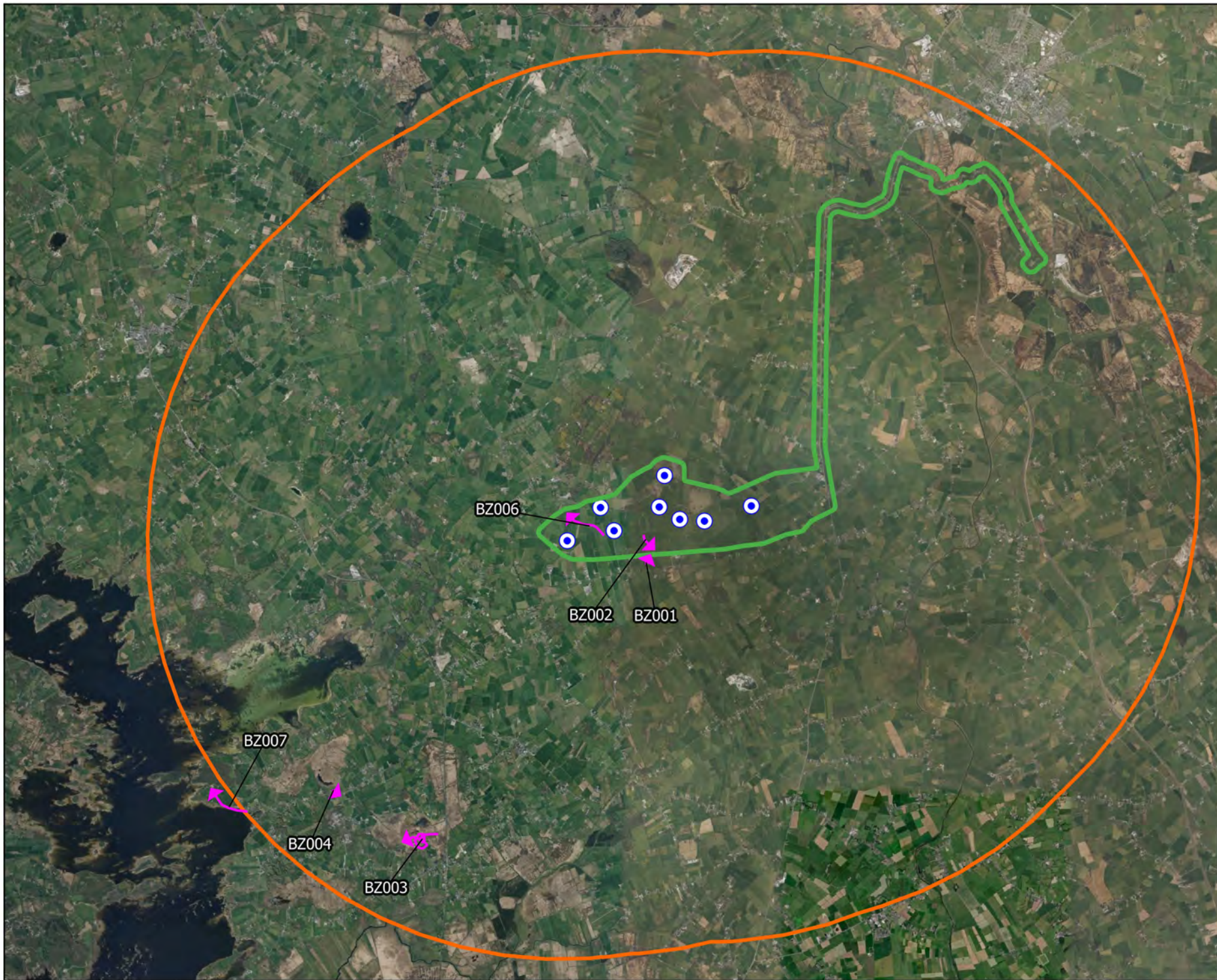
**Buzzard Observations
Breeding Raptor Surveys**

Laurdavagh Renewable Energy Development





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Map Legend

-  EIAR Site Boundary
-  Proposed Turbine Locations
-  8km Survey Area
-  Observation



Drawing Title:

**Buzzard Observations
Incidental Observations**

Project Title:
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17.

SPARROWHAWK

Table 7-4-51 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	01/09/2020	18:35	Sparrowhawk	1	5	5	0	0	0	improved agricultural grassland; flew n and perched in hawthorn during shower, female	MP
SH002	VP2	11/09/2020	11:19	Sparrowhawk	1	10	10	0	0	0	improved agricultural grassland; chasing robin (pipping)	MP
SH003	VP2	10/02/2021	13:17	Sparrowhawk	1	5	5	0	0	0	improved agricultural grassland; hunting, very low, very fast, female	MP
SH005	VP2	01/07/2021	17:50	Sparrowhawk	1	11	11	0	0	0	grassland and marsh; hunting low to ground	PT
SH006	VP2	03/11/2021	11:06	Sparrowhawk	1	11	11	0	0	0	hedgerows and improved agricultural grassland; travelling, male. flushed from bush beside vantage point.	PDC
SH007	VP2	03/11/2021	11:21	Sparrowhawk	1	24	24	0	0	0	improved agricultural grassland; travelling, male, presumably same bird as last sighting	PDC
SH009	VP1	14/02/2022	10:49	Sparrowhawk	1	162	20	100	22	0	improved agricultural grassland; flying	JF
SH010	VP1	02/03/2022	13:49	Sparrowhawk	1	10	10	0	0	0	improved agricultural grassland; flew in close to the ground along track moved into field when it spotted me.	JF
SH011	VP1	24/07/2023	07:52	Sparrowhawk	1	7	7	0	0	0	improved grassland and linear woodland/scrub; travelling, came down a tree and followed hedge row, male adult	LDV
SH012	VP2	27/07/2023	12:25	Sparrowhawk	1	13	13	0	0	0	improved grassland; flying	LDV
SH013	VP2	29/08/2023	09:17	Sparrowhawk	1	8	8	0	0	0	improved grassland and linear woodland/scrub; flying	LDV
SH014	VP2	29/08/2023	09:30	Sparrowhawk	1	42	32	10	0	0	improved grassland and semi-natural woodland; flying	LDV

Table 7-4-52 Sparrowhawk Winter Walkover Survey data

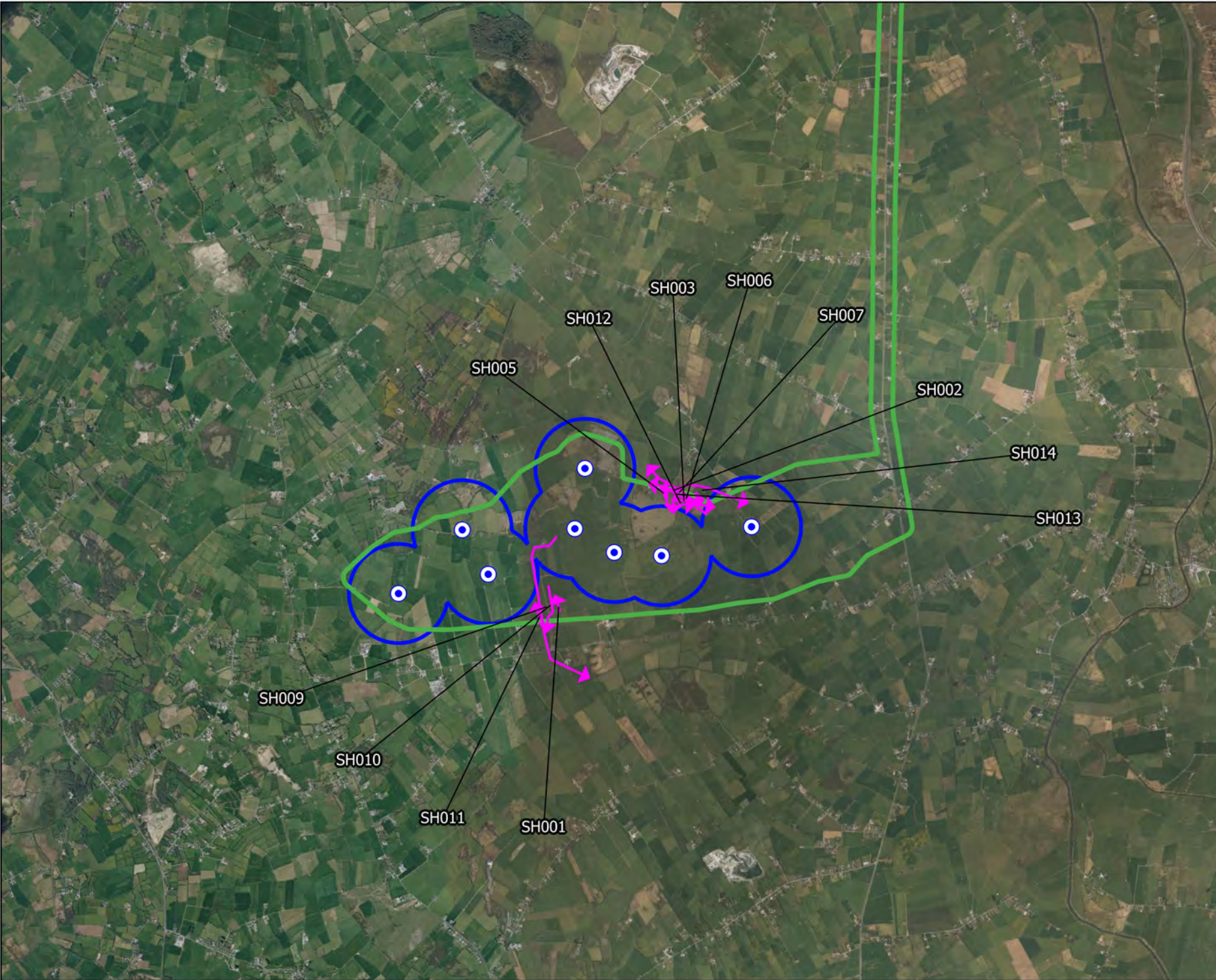
Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
SH001	25/03/2021	17:05	Sparrowhawk	1	improved agricultural grassland and dry calcareous and neutral grassland; hunting	MP

Table 7-4-53 Sparrowhawk Breeding Raptor Survey data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
SH001	BR1	27/04/2020	10:10	Sparrowhawk	1	improved agricultural grassland, soaring	non-breeding	MP
SH002	BR9	09/04/2021	12:23	Sparrowhawk	1	scrub and improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	MP
SH003	BR2	03/04/2023	19:12	Sparrowhawk	1	improved agricultural grassland and hedgerows, hunting, male	suitable nesting habitat; possible breeder	JG

Table 7-4-54 Sparrowhawk Incidental Observations data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SH001	Hen Harrier Roost Survey; HHVP4	04/11/2020	15:40	Sparrowhawk	1	bogs; perched, hunting, female	MP
SH002	Waterbird Distribution Survey; Lough Afoor	15/04/2021	12:20	Sparrowhawk	1	marsh; circling	MP
SH003	Hen Harrier Roost Survey; HHVP1	12/11/2021	09:33	Sparrowhawk	1	dry calcareous and neutral grassland; hunting passerines	JK



Map Legend

-  EIA Site Boundary
-  Proposed Turbine Locations
-  500m Radius of Turbines
-  Flight Observation

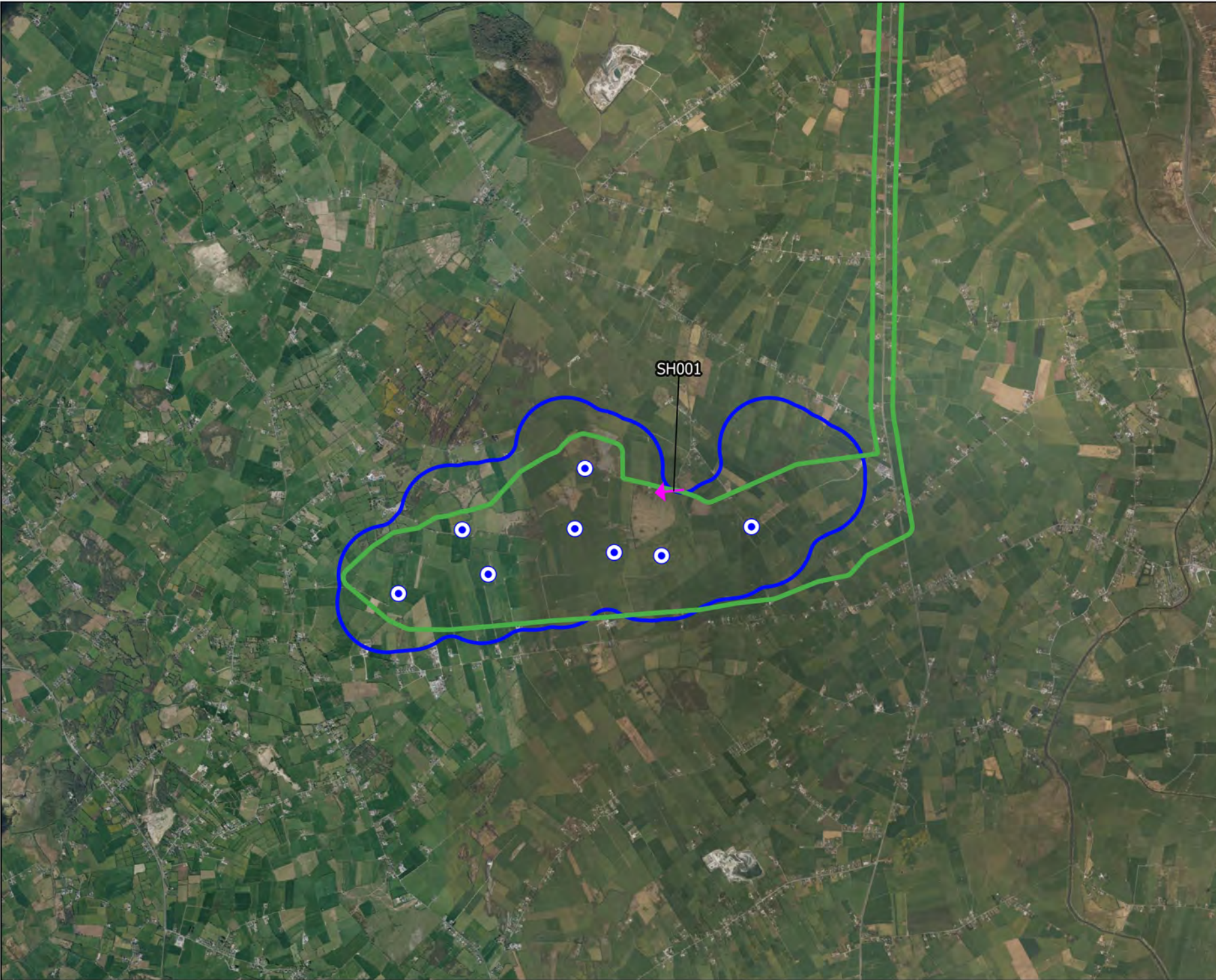
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Sparrowhawk Observations Vantage Point Surveys	
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Laurdavagh Renewable Energy Development	
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Map Legend

- EIAR Site Boundary
- Proposed Turbine Locations
- 500m Survey Area
- Flight Observation

SH001



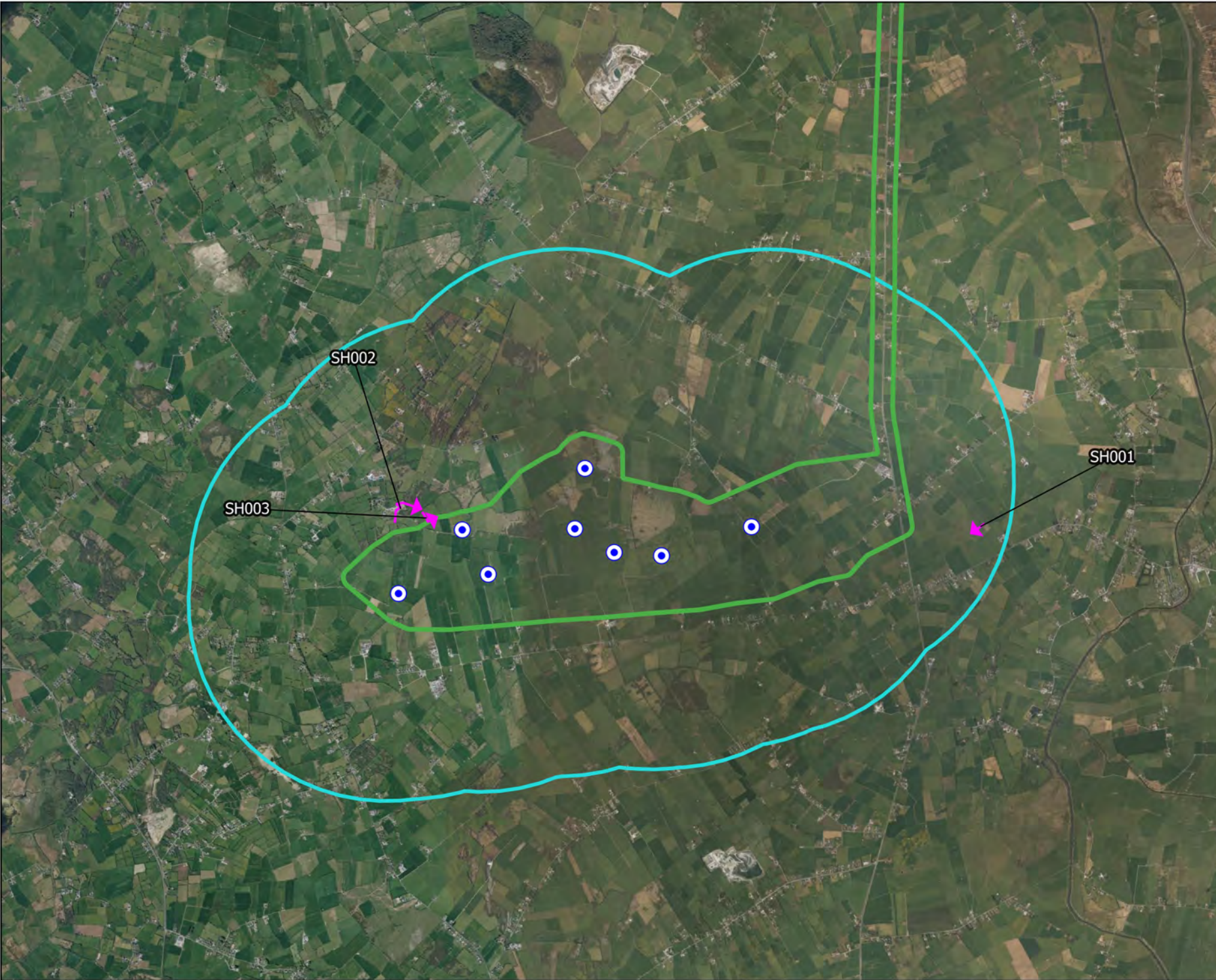
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Drawing Title:
Sparrowhawk Observations
Winter Walkover Surveys





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Map Legend

-  EIAR Site Boundary
-  Proposed Turbine Locations
-  2km Survey Area
-  Flight Observation

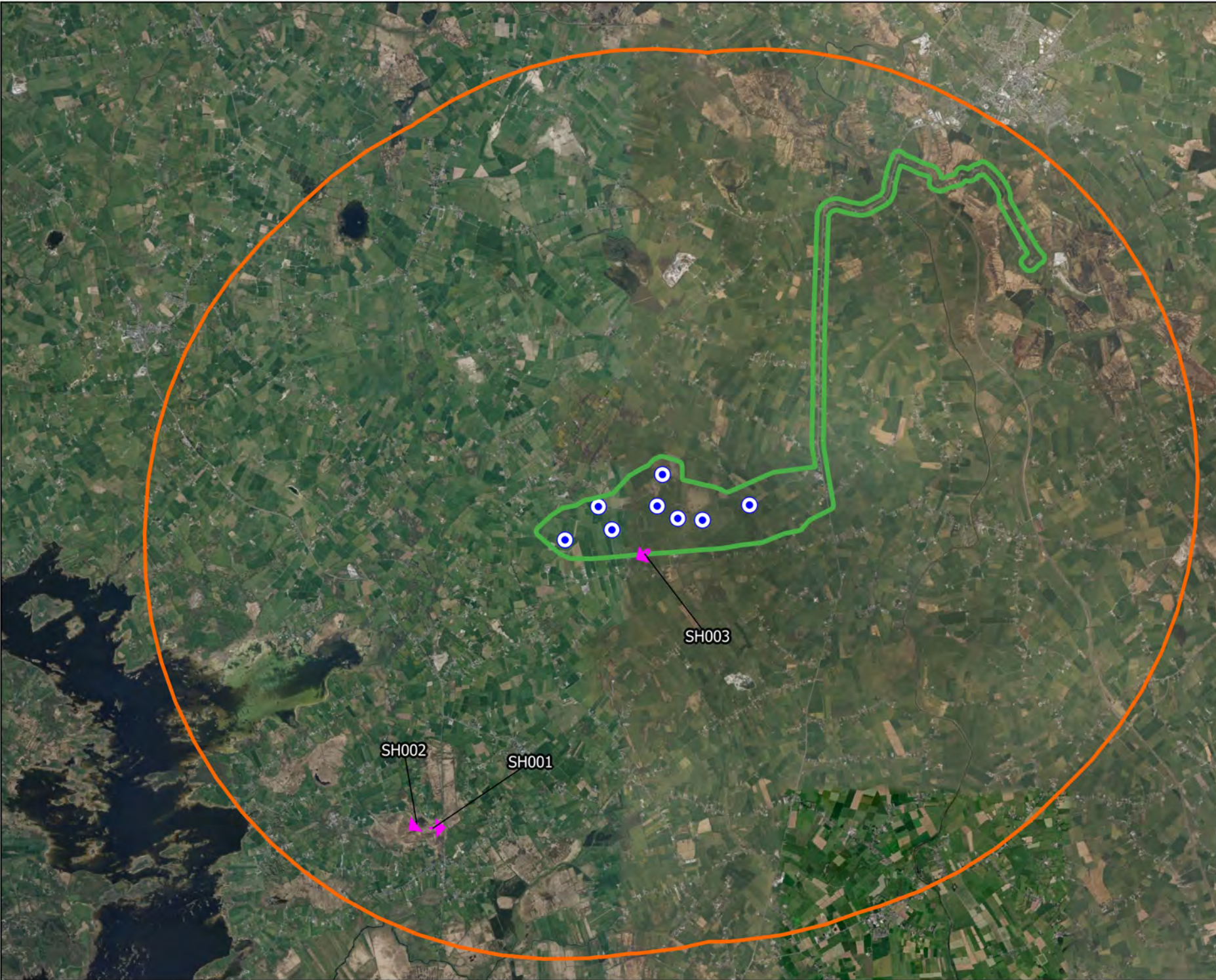
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Drawing Title	
Sparrowhawk Observations Breeding Raptor Surveys	
Project Title	
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- ### Map Legend
- EIAR Site Boundary
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 - 8km Survey Area
 - Observation



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**Sparrowhawk Observations
Incidental Observations**

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