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APPENDIX 7-4

SURVEY DATA

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1.

HEN HARRIER

Table 7 - 4 - 1-1 Hen Harrier Vantage Point Survey data 2023 (Ecology Ireland)

Ref.	VP	Date	Time	Species	Number	On-site / Off-site	Band 1 (0-25m)	Band 2 (25-100m)	Band 3 (100-150m)	Band 4 (>150m)	Comments	Surveyor
26	2	28/04/2023	14:19	Hen Harrier	1	On site	85	0	0	0	Hunting 2f NW of VP moving to W out onto valley.	JD
27	4a	27/04/2023	15:47	Hen Harrier	1	On site	10	0	0	0	Seen briefly in distance	MS
28	5	28/04/2023	10:32	Hen Harrier	1	On site	6	0	0	0	Commuting hunting obscured behind ditch.	NL
29	5	28/04/2023	10:33	Hen Harrier	1	On site	90	0	0	0	Commuting/hunting flew out of view beyond hill to the SSE Same as obs 26 HH	NL
77	5	28/04/2023	13:50	Hen Harrier	1	On site	36	0	0	0	Commuting/hunting	NL
78	5	28/04/2023	14:24	Hen Harrier	1	On site	190	0	0	0	Skydancing/commuting	NL
86	1	21/06/2023	14:00	Hen Harrier	1	On site	3	0	0	0	Ringtail-flying	AD
88	1	21/06/2023	14:20	Hen Harrier	1	Off site	10	0	0	0	Male hunting	AD
105	3	21/06/2023	13:55	Hen Harrier	1	On site	0	8	0	0	Hunting and flying	BOM
106	4A	22/06/2023	11:39	Hen Harrier	1	On site	20	0	0	0	Hunting low over moor	PR
111	5	21/06/2023	14:00	Hen Harrier	1	Off site	4	0	0	0	Mostly soaring circline and ascending for a short time	NL
119	5	21/06/2023	14:23	Hen Harrier	1	Off site	2	0	0	0	Seemed to swoop uo into mature trees to land but didn't see it land	NL
135	1	18/07/2023	11:02	Hen Harrier	1	On site	0	92	0	0	W/prey flying to W S of VP	NL
140	1	18/07/2023	13:26	Hen Harrier	1	On and off site	14	240	0	0	Soaring N of VP1 moved across valley and south staying high dropped low hunting on site moved onto E side of hill out of view.	JD
150	3	25/07/2023	09:26	Hen Harrier	1	On and off site	9	8	0	0		NL
154	3	25/07/2023	11:09	Hen Harrier	1	On and off site	50	7	0	0	Carrying prey	NL

Ref.	VP	Date	Time	Species	Number	On-site / Off-site	Band 1 (0-25m)	Band 2 (25-100m)	Band 3 (100-150m)	Band 4 (>150m)	Comments	Surveyor
156	4A	25/07/2023	09:26	Hen Harrier	1	Off site	86	0	0	0	Hunting	BOM
157	4A	25/07/2023	10:44	Hen Harrier	1	On site	3	0	0	0	Hunting-brief view	BOM
162	4A	25/07/2023	11:05	Hen Harrier	1	On site	3	14	0	0	Flying W	BOM
166	4A	25/07/2023	14:05	Hen Harrier	1	Off site	>50mins	0	0	0	Perched in conifers (on fence post) still there at end of VP	BOM
168	4B	18/07/2023	10:58	Hen Harrier	1	On site	140	0	0	0	Hunting, landed for 50secs then flew off	MS
169	4B	18/07/2023	13:30	Hen Harrier	1	On site	30	0	0	0		MS
240	5	25/07/2023	09:25	Hen Harrier	1	On site	6	0	0	0	Hunting	AD
253	5	25/07/2023	10:40	Hen Harrier	1	On site	4	0	0	0	Hunting	AD
263	2	29/09/2023	08:18	Hen Harrier	1	On site and Off site	22	0	0	0	5-10 metres	PR
270	3	28/09/2023	09:34	Hen Harrier	1	On site	12	0	0	0	Hunting	AD
276	4A	28/09/2023	09:34	Hen Harrier	1	On site	60	0	0	0	Flying over bog from VP down over open ground across valley around to S of VP moving E around	JD

Table 7 - 4 - 1-2 Hen Harrier Vantage Point Survey data 2024 (MKO)

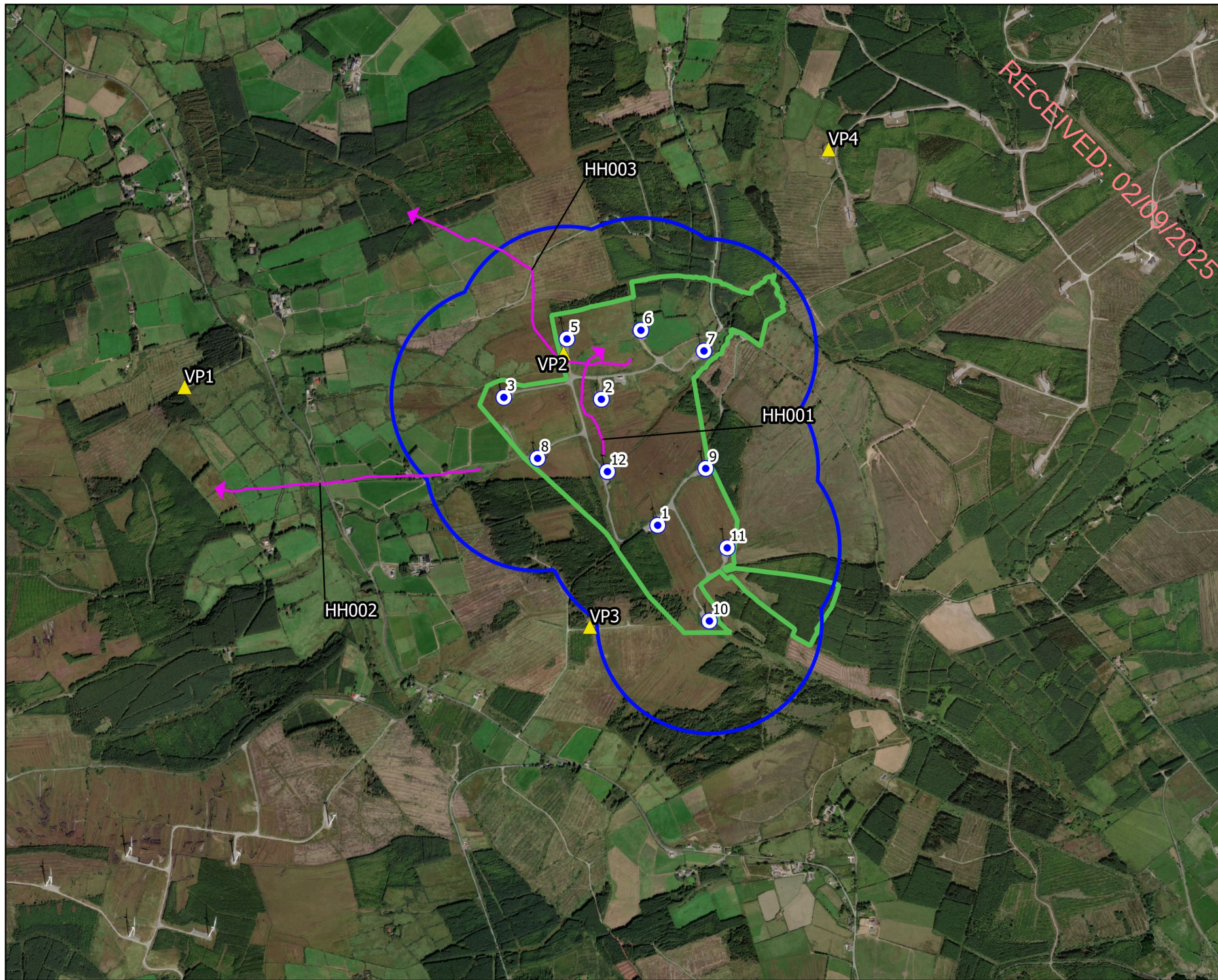
Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-26m)	Band 3 (26-108m)	Band 4 (108-200m)	Band 5 (>200m)	Habitat and activity	Surveyor
HH001	VP1	16/04/2024	17:11	Hen Harrier	1	120	120	0	0	0	0	upland blanket bog; flying, male	EC
HH002	VP1	16/04/2024	20:55	Hen Harrier	1	30	30	0	0	0	0	improved agricultural grassland and upland blanket bog; flying, male flying low-possibly going to roost but sighting obscured by trees	EC
HH003	VP1	27/08/2024	13:47	Hen Harrier	1	60	0	60	0	0	0	conifer plantation, upland blanket bog and improved agricultural grassland; flying, female / juvenile	EC

Table 7 - 4 - 1-3 Hen Harrier Breeding Walkover Survey data 2024 (MKO)

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
HH001	04/04/2024	15:52	T2	Hen Harrier	1	bogs, wet grassland and conifer plantation; hunting, foraging, seen from t3, but on t2 (suitable nesting habitat; possible breeder)	TK
HH002	23/05/2024	13:20	T4	Hen Harrier	1	bogs and buildings and artificial surfaces; flying, male, flew across wind farm road, went over the ditch and could not be located after. good nesting habitat between t9 and t11 (suitable nesting habitat; possible breeder)	CMC
HH003	23/05/2024	13:28	T4	Hen Harrier	1	bogs; flying, male, likely same bird (suitable nesting habitat; possible breeder)	CMC
HH004	24/07/2024	12:08	T7	Hen Harrier	1	conifer plantation and buildings and artificial surfaces; flying, female (suitable nesting habitat; possible breeder)	CMC

Table 7 - 4 - 1-4 Hen Harrier Breeding Raptor Survey data 2024 (MKO)

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
HH001	BR1	21/05/2024	13:41	Hen Harrier	1	bogs and improved grassland, flying, male	suitable nesting habitat; possible breeder	EC
HH002	BR2	30/05/2024	11:53	Hen Harrier	1	upland blanket bog, flying, male	suitable nesting habitat; possible breeder	EC



Map Legend

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



Drawing Title	
Hen Harrier Observations Vantage Point Surveys	
Project Title	
Taubeg Wind Farm Extension of Operational Life	
Drawn By	Checked By
D. Woods	P. Cregg
Project No.	Drawing No.
231030	Fig. 7.4.1.2
Scale	Date
1:22,000	13.12.2024
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Map Legend

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



Drawing Title
**Hen Harrier Observations
Breeding Raptor Surveys**

Project Title
**Taubeg Wind Farm Extension of
Operational Life**

Drawn By D. Woods	Checked By P. Cregg
Project No. 231030	Drawing No. Fig. 7.4.1.4
Scale 1:32,000	Date 13.12.2024

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2.

GOLDEN PLOVER

Table 7 - 4 - 2-1 Golden Plover Vantage Point Survey data 2023 (Ecology Ireland)

Ref.	VP	Date	Time	Species	Number	On-site / Off-site	Band 1 (0-25m)	Band 2 (25-100m)	Band 3 (100-150m)	Band 4 (>150m)	Comments	Surveyor
242	2	29/09/2023	08:34	Golden Plover	16	On site and Off site	51mins	0	0	0	Mostly circling near VP2 Low near ground at times at 09:15 9 more GP joined them and flew high through site twice before flying SW	PR
244	2	29/09/2023	10:28	Golden Plover	13	Off site	0	130	0	0	Flying SW	PR
248	2	29/09/2023	11:36	Golden Plover	2	On site and Off site	0	75	0	0	Flying over site high probably flew from ground near VP2 calling	PR
252	3	28/09/2023	08:36	Golden Plover	16	On site	0	90	0	0	Flying over site	AD
254	3	28/09/2023	10:25	Golden Plover	13	On site	0	45	0	0	Flying over site	AD
256	3	28/09/2023	12:25	Golden Plover	9	On site	15	0	0	0	Flying over site	AD
260	4A	28/09/2023	08:34	Golden Plover	16	On site	0	106	0	0	Flying around N of VP1	JD
261	4A	28/09/2023	08:37	Golden Plover	16	On site	420	0	0	0	Low intermediately visible flying around hill top near VP2.	JD
266	4A	28/09/2023	11:36	Golden Plover	2	Off site	0	239	0	0	Flying S along E edge of site down into valley flying around between VP4A and 4B before landing near VP	JD
268	4A	28/09/2023	12:09	Golden Plover	9	On site and Off site	0	249	0	0	See note in 10 for GP	JD
271	4B	28/09/2023	08:35	Golden Plover	16	On site	180	0	0	0		MS
273	4B	28/09/2023	08:50	Golden Plover	16	On site	0	60	0	0		MS
274	4B	28/09/2023	09:05	Golden Plover	25	On site	0	1200	0	0		MS
280	4B	28/09/2023	12:12	Golden Plover	9	Off site	30	0	0	0		MS
281	5	28/09/2023	08:32	Golden Plover	16	On site and Off site	53mins	0	0	0	Circling eventually flying off to SW	NL

Ref.	VP	Date	Time	Species	Number	On-site / Off-site	Band 1 (0-25m)	Band 2 (25-100m)	Band 3 (100-150m)	Band 4 (>150m)	Comments	Surveyor
282	5	28/09/2023	09:11	Golden Plover	9	On site and Off site	14mins	0	0	0	Behaviour as above	NL
283	5	28/09/2023	10:26	Golden Plover	13	Off site	212	0	0	0	Flying landed out of view in treeline	NL

Table 7 - 4 - 2-2 Golden Plover Vantage Point Survey data 2024 (MKO)

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-26m)	Band 3 (26-108m)	Band 4 (108-200m)	Band 5 (>200m)	Habitat and activity	Surveyor
GP001	VP2	28/11/2023	13:18	Golden Plover	100	120	0	0	0	0	120	upland blanket bog; flying, circling high over windfarm 200+m	EC
GP002	VP2	30/11/2023	07:30	Golden Plover	1	3	3	0	0	0	0	bogs; flying, flushed when arrived	TK
GP003	VP2	30/11/2023	09:30	Golden Plover	1	-	-	-	-	-	-	bogs; calling, not seen	TK
GP004	VP4	25/01/2024	10:15	Golden Plover	100	30	0	30	0	0	0	upland blanket bog; flying, appeared to land in moderate visibility	EC
GP005	VP2	30/01/2024	11:30	Golden Plover	200	300	0	0	0	150	150	bogs and conifer plantation; travelling, a large flock flying in between turbines, then over forestry, was first following 4 individuals around t3 then joined the larger group, then possibly landed as their disappeared	TK
GP006	VP3	31/01/2024	08:48	Golden Plover	16	180	0	90	90	0	0	conifer plantation and bogs; travelling	TK
GP007	VP1	16/04/2024	16:43	Golden Plover	20	60	0	0	60	0	0	upland blanket bog; flying	EC
GP008	VP1	16/04/2024	17:49	Golden Plover	20	60	0	0	60	0	0	upland blanket bog; flying	EC

Table 7 - 4 - 2-3 Golden Plover Breeding Walkover Survey data 2024 (MKO)

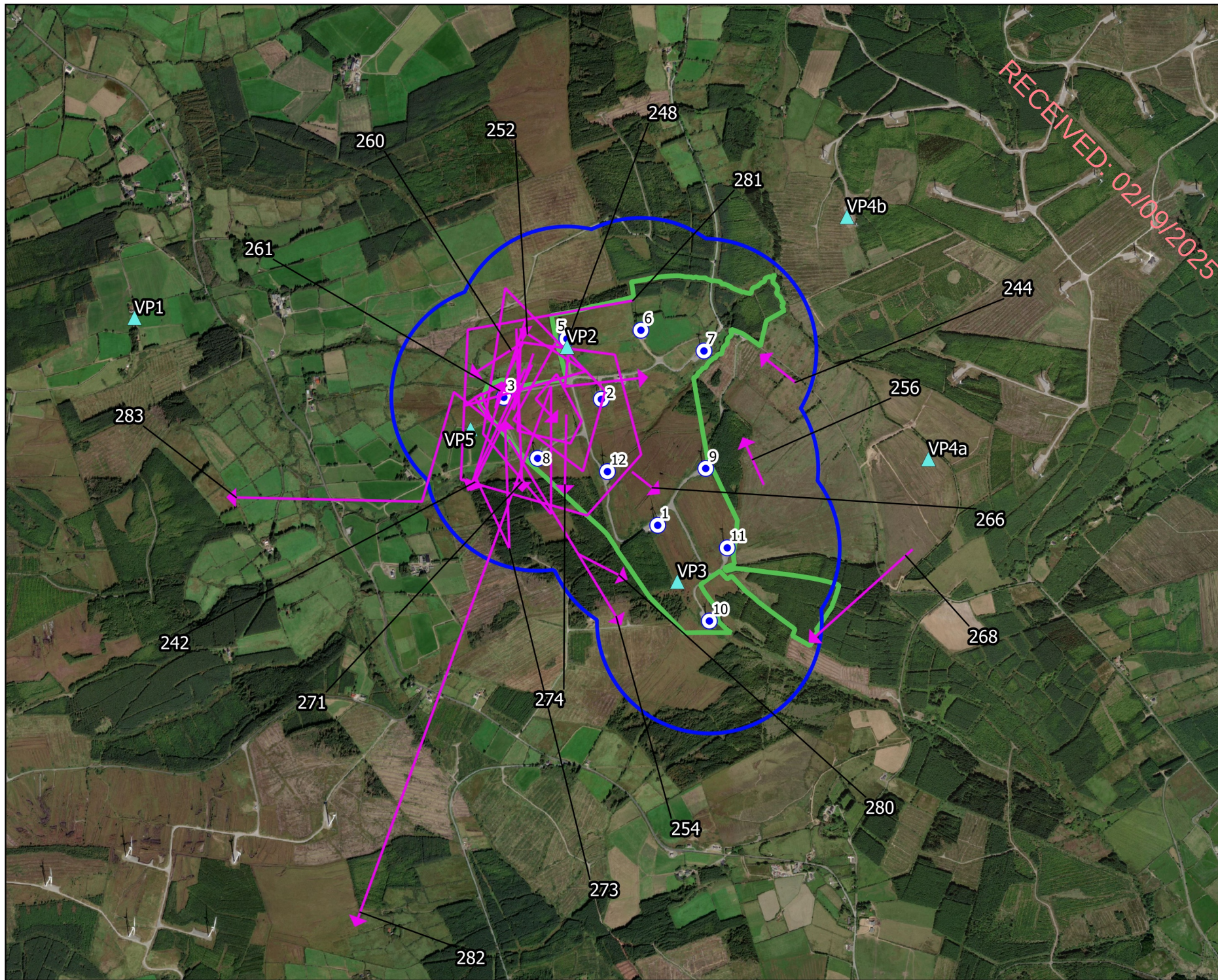
Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
GP001	04/04/2024	15:52	T3	Golden Plover	15	bogs and wet grassland; flying, calling, chaotic flight, disrupted and hunted by female hen harrier (migrating; non-breeding)	TK

Table 7 - 4 - 2-4 Golden Plover Winter Walkover Survey data (MKO)

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
GP001	24/11/2023	11:12	-	Golden Plover	1	upland blanket bog; flying, calling, 50m height (wintering)	EC
GP002	24/11/2023	12:07	-	Golden Plover	3	upland blanket bog; flying, calling (wintering)	EC
GP003	24/01/2024	11:02	T6	Golden Plover	70	bogs; flying, circling, dropped behind ridge out of sight (wintering)	CMC
GP004	24/01/2024	11:32	T3	Golden Plover	1	bogs; flying, calling, flew through spinning turbine blades (wintering)	CMC
GP005	28/02/2024	12:33	T3	Golden Plover	6	bogs; flushed (wintering)	CMC

Table 7 - 4 - 2-5 Golden Plover Incidental Records (MKO)

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GP001	Hen Harrier Roost Survey; HHVP3	18/12/2023	15:14	Golden Plover	55	upland blanket bog; flying, calling	EC



Map Legend

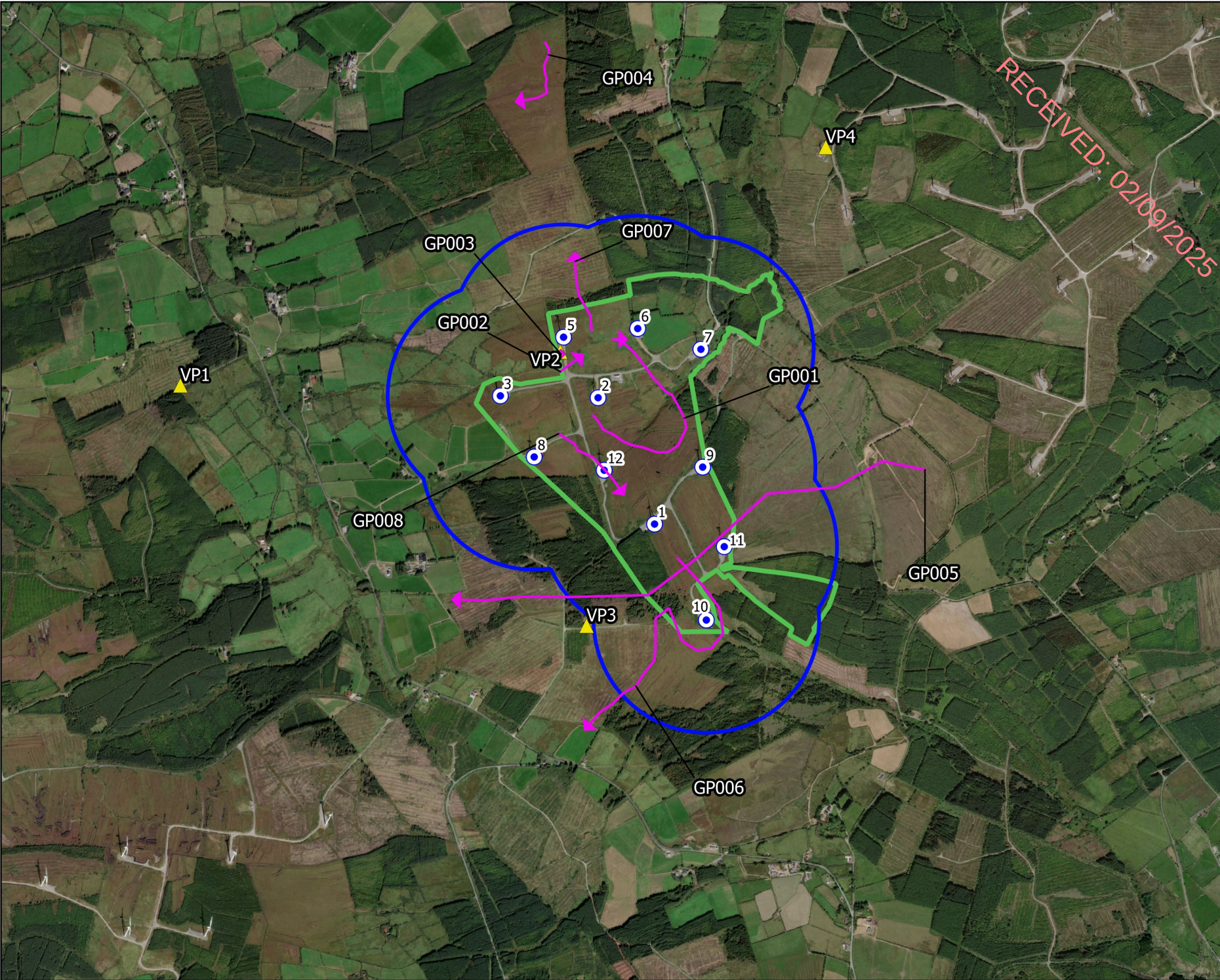
- Site Boundary
- Turbine Locations
- 500m Radius of Turbine Locations
- EcologyIreland VP Locations
- Flight Observation

Drawing Title
**Golden Plover Observations
Vantage Point Surveys 2023
(undertaken by EcologyIreland)**

Project Title
**Taubeg Wind Farm Extension of
Operational Life**

Drawn By D. Woods	Checked By P. Cregg
Project No. 231030	Drawing No. Fig. 7.4.2.1
Scale 1:22,000	Date 13.12.2024

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Map Legend

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

Drawing Title

**Golden Plover Observations
Vantage Point Surveys**

Project Title

**Taubeg Wind Farm Extension of
Operational Life**

Drawn By	Checked By
D. Woods	P. Cregg
Project No.	Drawing No.
231030	Fig. 7.4.2.2
Scale	Date
1:22,000	13.12.2024

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