



## APPENDIX 7-4a

ADDENDUM SURVEY DATA

## **Appendix 7-4a – Addendum Survey Data**

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1.

# WHOOPER SWAN

Table 7 - 4a - 1 Whooper Swan Vantage Point Survey

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	VP3	22/11/2022	10:02	Whooper Swan	9	180	0	80	100	0	improved agricultural grassland; flyover	MW
WS002	VP3	11/10/2023	17:51	Whooper Swan	9	220	0	0	220	0	improved agricultural grassland and linear woodland/scrub; commuting s across farmland, off site	NM
WS003	VP3	11/10/2023	18:37	Whooper Swan	16	280	0	90	190	0	improved agricultural grassland and linear woodland/scrub; commuting sw across farmland, flying across site	NM

Table 7 - 4a - 2 Whooper Swan Winter Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
WS001	17/10/2023	08:32	-	Whooper Swan	21	improved agricultural grassland and linear woodland/scrub; commuting across farmland (wintering)	NM
WS002	17/10/2023	13:45	-	Whooper Swan	37	improved agricultural grassland and linear woodland/scrub; commuting across farmland, moving along s 500m buffer (wintering)	NM
WS003	17/10/2023	16:35	-	Whooper Swan	9	improved agricultural grassland and linear woodland/scrub; commuting across farmland (wintering)	NM

Table 7 - 4a - 3 Whooper Swan Waterbird Distribution Survey

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WS001	Moyvoughly	10/10/2023	10:58	Whooper Swan	17	improved agricultural grassland and linear woodland/scrub; commuting across farmland, moving nw	NM
WS002	R. Tang - across farmland	10/10/2023	14:13	Whooper Swan	16	improved agricultural grassland and linear woodland/scrub; commuting across farmland, moving ne	NM
WS003	D1	21/12/2024	14:00	Whooper Swan		improved agricultural grassland; calling, heard only	DM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WS004	Keel/Tang river	21/12/2024	15:00	Whooper Swan	45	improved agricultural grassland; feeding	DM





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



Drawing Title	
Whooper Swan Vantage Point Survey Observations	
Project Title	
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Project No.	Drawing No.
201050	Fig. 7-4a-1
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#### Map Legend

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



Drawing Title  
**Whooper Swan Winter Walkover  
Survey Observations**

Project Title  
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Project No.  
**201050**

Drawing No.  
**Fig. 7-4a-2**

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**1:30,000**

Date  
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2.

## GOLDEN PLOVER

Table 7 - 4a - 4 Golden Plover Vantage Point Survey

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0 -15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
GP001	VP1	20/10/2022	18:44	Golden Plover	6	100	100	0	0	0	improved agricultural grassland; flying round in circles low to the ground, flying intermittently from around 18:40	MW
GP002	VP1	25/11/2022	07:06	Golden Plover	10	-	-	-	-	-	improved agricultural grassland; calling from start of survey for 10 mins, heard not seen. heard again at 09.45. number a guess.	MW
GP003	VP1	13/02/2023	07:45	Golden Plover	38	180	50	30	100	0	amenity grassland (improved); on ground then flight, 0-150m	MS
GP004	VP1	28/03/2023	16:40	Golden Plover	11	260	30	70	160	0	improved agricultural grassland and wet grassland; fleeing then landing, 0-80m	MS
GP005	VP3	04/04/2023	08:05	Golden Plover	21	48	0	0	0	48	wet grassland; fly over	MS
GP006	VP1	16/04/2023	08:14	Golden Plover	80	340	10	10	320	0	improved agricultural grassland; fly in and landed	MS
GP007	VP1	16/04/2023	09:52	Golden Plover	53	275	5	20	250	0	improved agricultural grassland; fly and land	MS
GP008	VP3	11/01/2024	09:34	Golden Plover	114	3000	0	0	2700	300	improved agricultural grassland; flying	NM
GP009	VP1	09/04/2024	19:40	Golden Plover	36	622	10	40	40	532	improved agricultural grassland and treelines; flying, landed, same field as always	MS
GP010	VP3	12/04/2024	19:20	Golden Plover	8	134	0	0	0	134	treelines and improved agricultural grassland; flying	MS

Table 7 - 4 - 5 Golden Plover Winter Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
GP001	17/01/2024	13:51	-	Golden Plover	6	improved agricultural grassland; flying (wintering)	NM



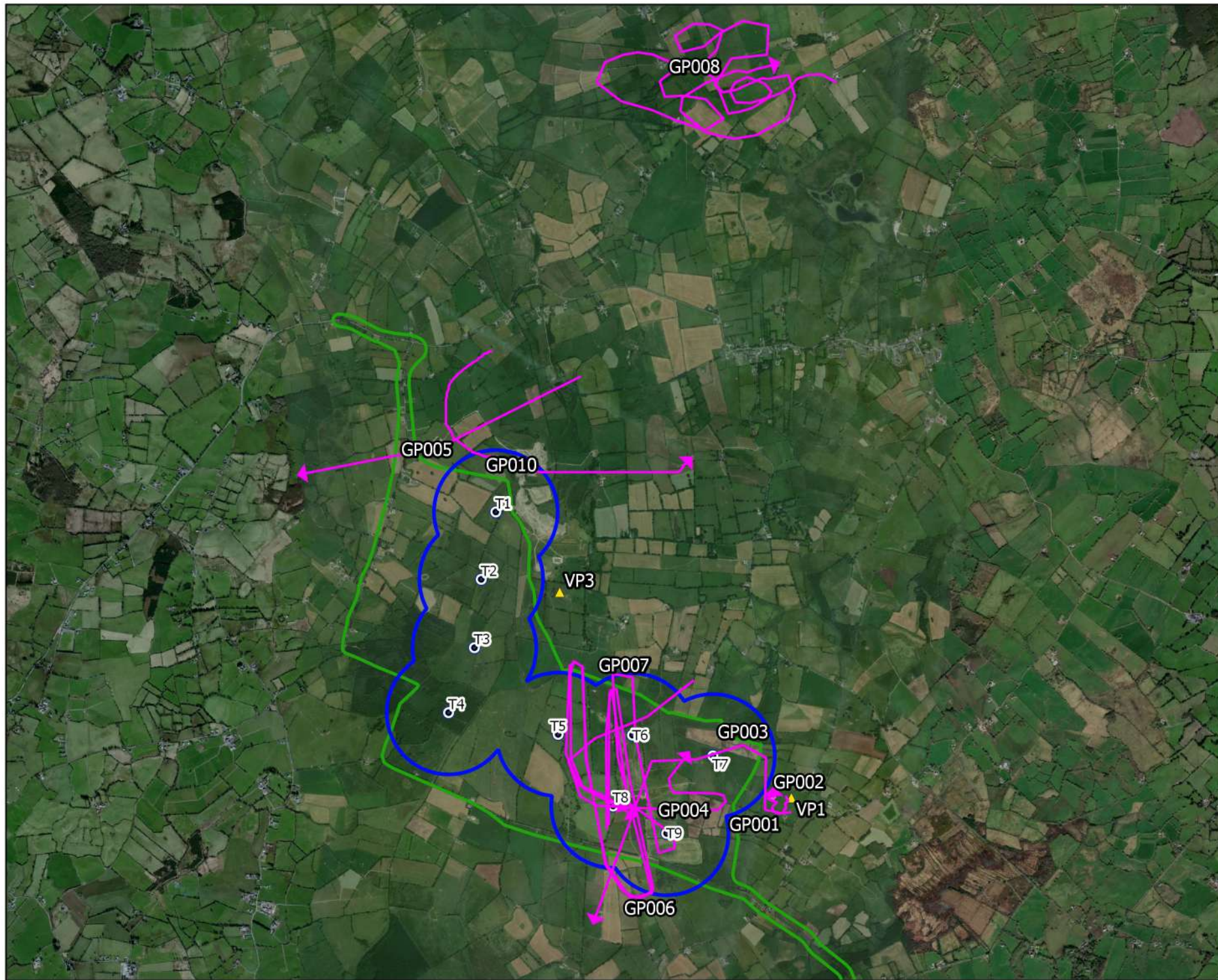
Table 7 – 4a - 6 Golden Plover Waterbird Distribution Survey

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GP001	Streamstown	07/12/2022	12:40	Golden Plover	49	improved agricultural grassland; foraging, same location as two weeks before	MW
GP002	Ballynagrenia & Ballinderry bogs	30/01/2024	16:03	Golden Plover	64	raised bog and scrub; commuting, calling	NM
GP003	Ardnacranney	07/02/2024	10:48	Golden Plover	117	improved agricultural grassland; circling, swirling, calling, moving gradually southwest	NM
GP004	Moyvoughly	07/02/2024	14:48	Golden Plover	87	improved agricultural grassland and bogs; circling, swirling, moving west	NM
GP005	Lough Sewdy S1	08/04/2024	09:00	Golden Plover	65	improved agricultural grassland and dystrophic lakes; circling	FLM

Table 7 – 4a - 7 Golden Plover Incidental Records

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GP001	Waterbird Distribution Survey; Lough Sewdy (northbof)	07/12/2022	11:06	Golden Plover	80	improved agricultural grassland and dystrophic lakes; flight, circling	MW
GP002	Breeding Raptor Survey; Drumraney	11/04/2024	17:04	Golden Plover	81	improved agricultural grassland; swirling, travelling	NM
GP003	Breeding Raptor Survey; HHVP1 / Abbeyshrule bog	10/04/2024	21:05	Golden Plover	13	bogs and scrub/transitional woodland; travelling, calling	NM
GP004	Vantage Point Survey; Behind VP3	21/10/2022	15:13	Golden Plover	65	improved agricultural grassland; flight	MW





- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - ▲ VP Locations
  - Flight Observation
  - ◆ Non-flight Observation



Drawing Title	
Golden Plover Vantage Point Survey Observations	
Project Title	
Umma More Renewable Energy Development	
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KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-4
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Golden Plover Winter Walkover Survey Observations	
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- EIAR Site Boundary
  - Proposed Turbine Layout
  - 5km Survey Radius
  - Observation



Drawing Title  
**Golden Plover Waterbird  
Distribution Survey Observations**

Project Title  
**Umma More Renewable Energy  
Development**




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Drawing Title

**Golden Plover Incidental Records**

Project Title

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3.

## PEREGRINE FALCON

Table 7 - 4a - 8 Peregrine Vantage Point Survey

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	13/02/2023	09:10	Peregrine Falcon	1	32	0	32	0	0	amenity grassland (improved) and hedgerows; feed flight, 20m	MS
PE002	VP1	02/08/2023	10:15	Peregrine Falcon	1	137	15	22	100	0	improved agricultural grassland and hedgerows; hunting	FLM
PE003	VP1	02/08/2023	10:45	Peregrine Falcon	1	10	10	0	0	0	improved agricultural grassland; hunting	FLM
PE004	VP3	03/08/2023	14:00	Peregrine Falcon	1	370	0	0	0	370	improved agricultural grassland; travelling/ circling	FLM
PE005	VP3	11/10/2023	15:42	Peregrine Falcon	1	260	0	0	230	30	improved agricultural grassland and linear woodland/scrub; soaring over farmland, harried by hooded crow and moving NW	NM
PE006	VP3	20/11/2023	08:10	Peregrine Falcon	1	200	0	30	170	0	improved agricultural grassland and hedgerows; commuting and soaring high across site	NM
PE007	VP3	20/05/2024	05:48	Peregrine Falcon	1	60	0	0	60	0	improved agricultural grassland and linear woodland/scrub; travelling, male	NM
PE008	VP3	02/10/2024	17:05	Peregrine Falcon	1	8	8	0	0	0	active quarries and mines; coming in to perch	FOD
PE009	VP3	02/10/2024	17:15	Peregrine Falcon	1	-	-	-	-	-	active quarries and mines; perched, perched for 55 mins	FOD
PE010	VP3	02/10/2024	17:57	Peregrine Falcon	1	8	8	0	0	0	active quarries and mines; travelling	FOD

Table 7 - 4a - 9 Peregrine Winter Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
PE001	17/01/2024	16:34	-	Peregrine Falcon	1	improved agricultural grassland and linear woodland/scrub; commuting - low (wintering)	NM
PE002	22/01/2025	10:40		Peregrine Falcon	1	improved agricultural grassland and active quarries and mines; hunting (wintering)	DM

Table 7 – 4a - 10 Peregrine Breeding Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
PE001	19/05/2023	07:15	-	Peregrine Falcon	1	improved agricultural grassland; travelling (suitable nesting habitat; possible breeder)	FLM

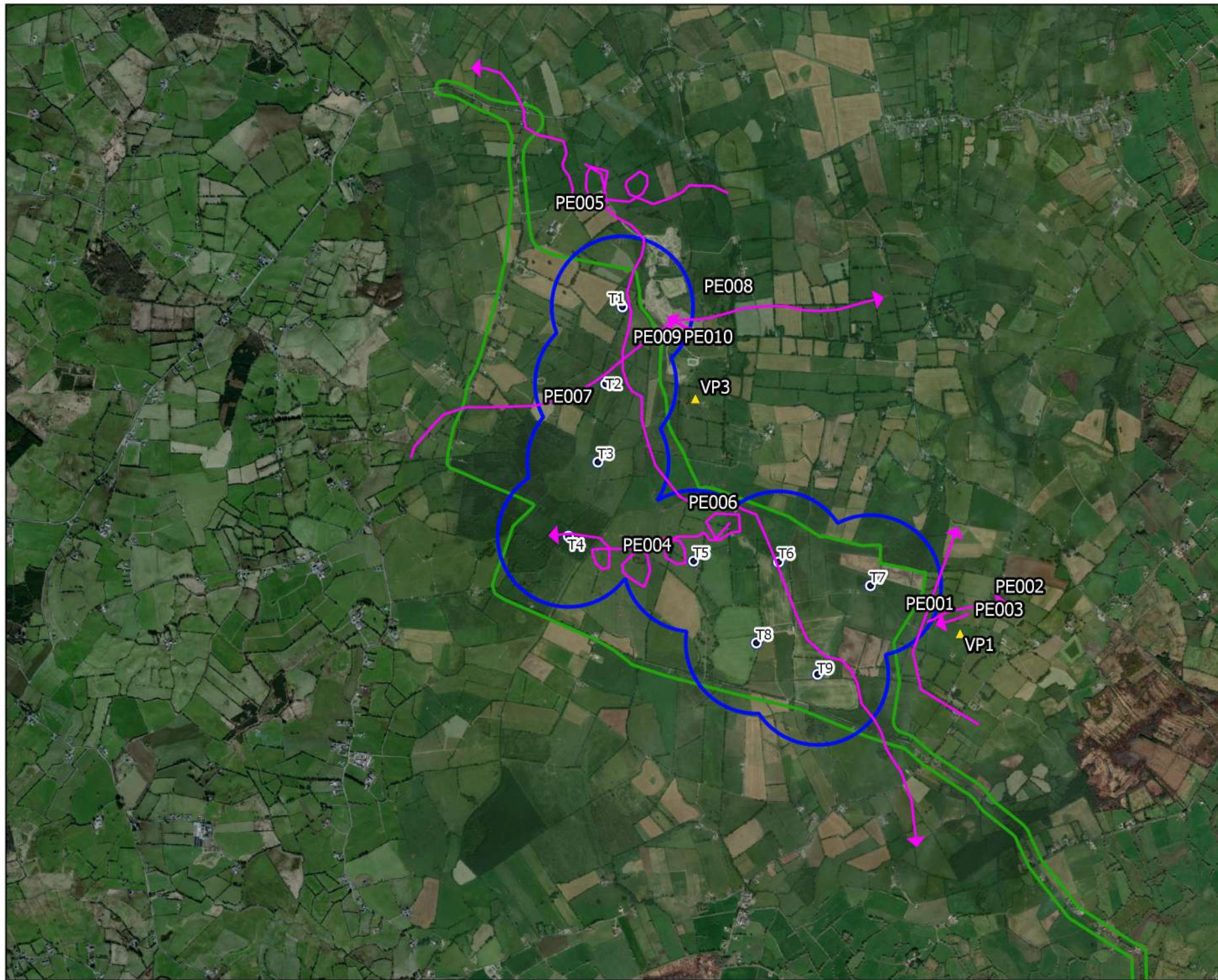
Table 7 – 4a - 11 Peregrine Breeding Raptor Survey

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
PE001	BR6	23/05/2023	09:00	Peregrine Falcon	1	improved agricultural grassland, travelling	suitable nesting habitat; possible breeder	FLM

Table 7 – 4a - 12 Peregrine Incidental Records

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
PE001	Waterbird Distribution Survey; Moyvoully	05/09/2023	12:35	Peregrine Falcon	1	hedgerows and raised bog; female flushed, flying over	FLM
PE002	Waterbird Distribution Survey; R. Tang farmland	31/10/2023	13:00	Peregrine Falcon	1	improved agricultural grassland and linear woodland/scrub; soaring and circling over farmland, harried by hooded crow	NM
PE003	Waterbird Distribution Survey; Ardnacranny	29/11/2023	12:17	Peregrine Falcon	1	improved agricultural grassland; commuting high across farmland	NM
PE004	Waterbird Distribution Survey; Ballinlig	05/01/2024	13:27	Peregrine Falcon	1	bogs, highly modified/non-native woodland and improved agricultural grassland; soaring, commuting	NM
PE005	Waterbird Distribution Survey; Ardnacranny	30/01/2024	10:32	Peregrine Falcon	1	improved agricultural grassland and highly modified/non-native woodland; soaring, stooping, male	NM
PE006	Waterbird Distribution Survey; Collierstown	03/05/2024	15:45	Peregrine Falcon	1	improved agricultural grassland; soaring, hunting	NM
PE007	Waterbird Distribution Survey; Umma Beg	25/09/2024	13:22	Peregrine Falcon	1	improved agricultural grassland; flying, male, low	FLM





- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - ▲ VP Locations
  - Flight Observation
  - ◆ Non-flight Observation



Drawing Title	
Peregrine Vantage Point Survey Observations	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-8
Scale	Date
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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - Flight Observation



Drawing Title  
**Peregrine Winter Walkover Survey Observations**

Project Title  
**Umma More Renewable Energy Development**

Drawn By <b>KS</b>	Checked By <b>PC</b>
Project No. <b>201050</b>	Drawing No. <b>Fig. 7-4a-9</b>
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- Map Legend
- EIA Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - Flight Observation



Drawing Title  
**Peregrine Breeding Walkover  
Survey Observations**

Project Title  
**Umma More Renewable Energy  
Development**

Drawn By <b>KS</b>	Checked By <b>PC</b>
Project No. <b>201050</b>	Drawing No. <b>Fig. 7-4a-10</b>
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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 2km Survey Radius
  - RVP Location
  - Flight Observation



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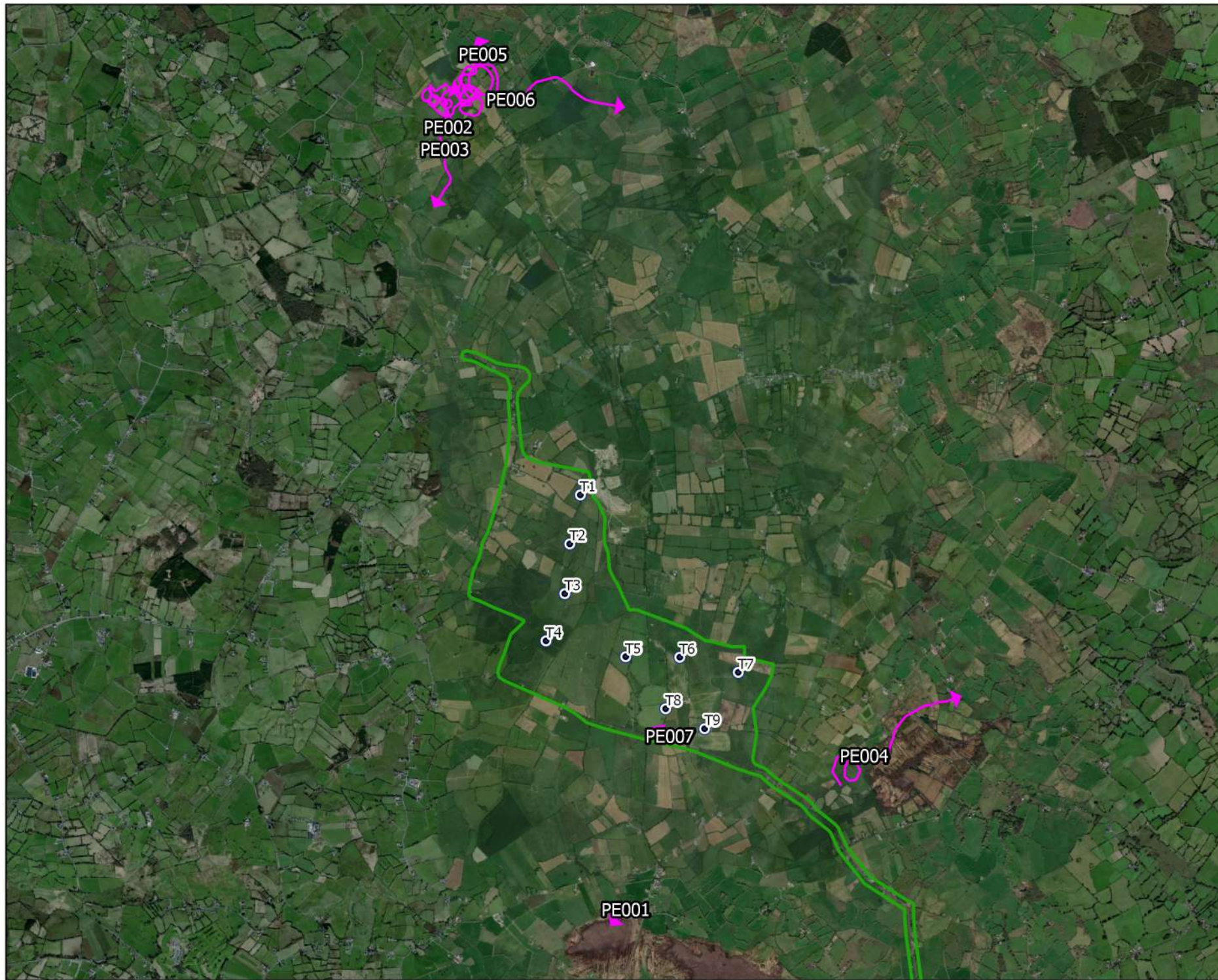
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Peregrine Breeding Raptor Survey Observations	
Project Title	
Umma More Renewable Energy Development	
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KS	PC
Project No.	Drawing No.
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#### Map Legend

-  EIAR Site Boundary
-  Proposed Turbine Layout
-  Flight Observation



Drawing Title

#### Peregrine Incidental Records

Project Title

Umma More Renewable Energy Development

Drawn By

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Checked By

PC

Project No.

201050

Drawing No.

Fig. 7-4a-12

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13.06.2025



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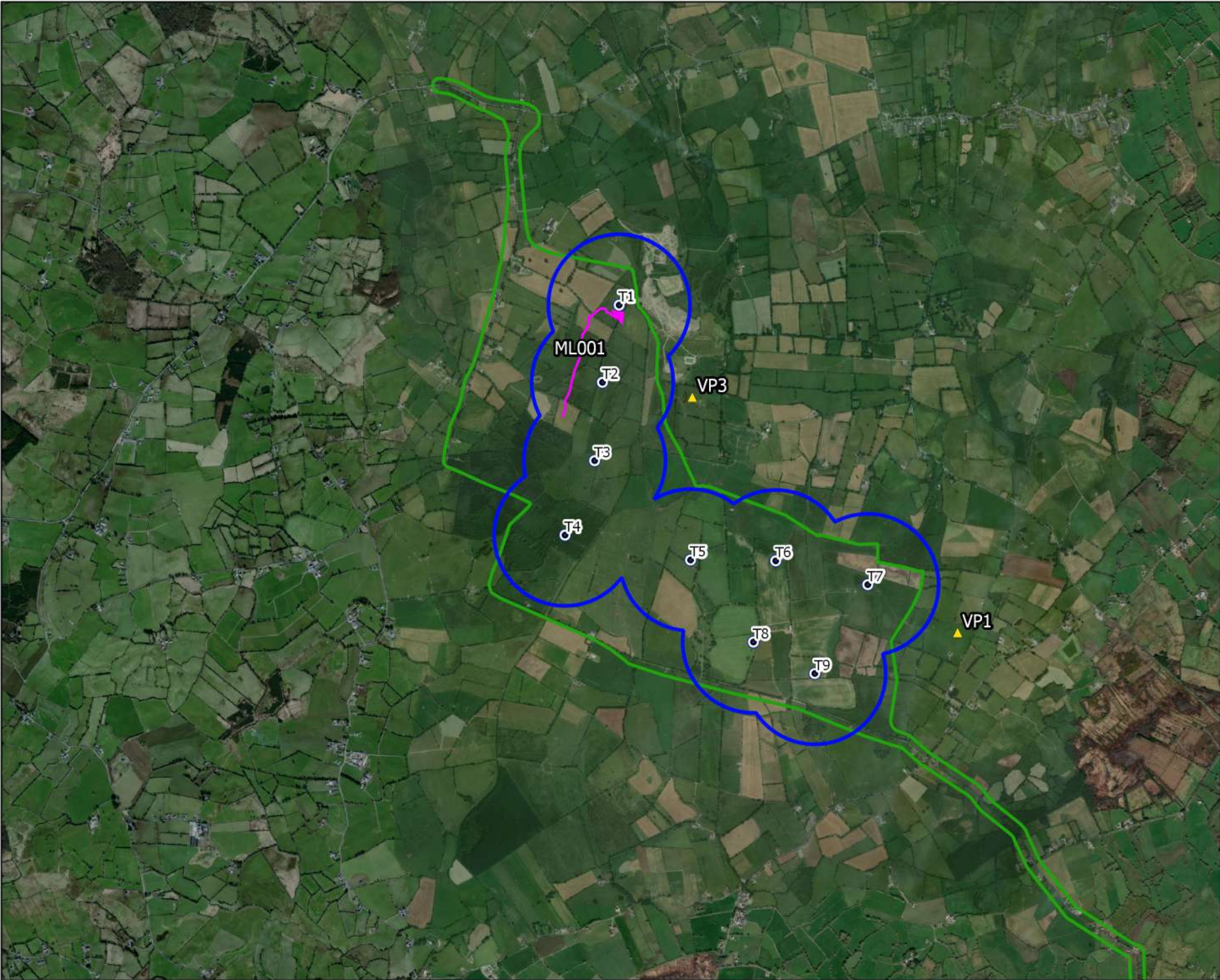
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## MERLIN

Table 7 - 4a - 13 Merlin Vantage Point Survey

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	VP3	21/10/2022	17:24	Merlin	1	45	45	0	0	0	improved agricultural grassland and scrub; flight, landed in scrub	MW





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



Drawing Title	
Merlin Vantage Point Survey Observations	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-13
Scale	Date
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# LAPWING

Table 7 - 4a - 14 Lapwing Vantage Point Survey

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	VP3	21/10/2022	15:05	Lapwing	50	18	18	0	0	0	improved agricultural grassland; flight	MW
L.002	VP1	28/03/2023	15:20	Lapwing	1	15	15	0	0	0	wet grassland and improved agricultural grassland; low territory flight, 5m	MS
L.003	VP1	16/04/2023	06:45	Lapwing	1	5	5	0	0	0	hedgerows and improved agricultural grassland; flight in/chases	MS
L.004	VP1	16/04/2023	08:00	Lapwing	3	45	45	0	0	0	wet grassland and improved agricultural grassland; territory flying/chases	MS
L.005	VP1	16/04/2023	10:15	Lapwing	4	-	-	-	-	-	wet grassland and improved agricultural grassland; all birds still present around wet area and nearby pasture	MS
L.006	VP1	16/05/2023	17:10	Lapwing	1	6	6	0	0	0	improved agricultural grassland and wet grassland; calling	FLM
L.007	VP1	16/05/2023	20:15	Lapwing	4	86	86	0	0	0	improved agricultural grassland, marsh and wet grassland; calling, chasing crows, strong nesting evidence	FLM
L.008	VP3	17/05/2023	16:00	Lapwing	1	-	-	-	-	-	improved agricultural grassland; calling, individual heard calling	FLM
L.009	VP1	12/12/2023	14:17	Lapwing	32	1400	0	300	1100	0	improved agricultural grassland; swirling over farmland, moving steadily e	NM
L.010	VP1	12/12/2023	16:01	Lapwing	3	130	0	0	130	0	improved agricultural grassland and linear woodland/scrub; commuting sw across site	NM
L.011	VP3	26/03/2024	07:04	Lapwing	13	-	-	-	-	-	improved agricultural grassland; perched, grazing	NM
L.012	VP3	26/03/2024	09:53	Lapwing	13	50	10	30	10	0	improved agricultural grassland and highly modified/non-native woodland; departing	NM
L.013	VP1	24/05/2024	08:11	Lapwing	1	98	8	90	0	0	improved agricultural grassland and wet grassland; landing	FLM
L.014	VP3	19/06/2024	12:56	Lapwing	1	198	0	63	135	0	improved agricultural grassland; circling, calling	EOB



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.015	VP3	19/06/2024	12:59	Lapwing	1	-	-	-	-	-	active quarries and mines, spoil and bare ground and recolonising bare ground; calling, adult	EOB
L.016	VP3	19/06/2024	16:57	Lapwing	1	-	-	-	-	-	spoil and bare ground and active quarries and mines; perched, calling	EOB
L.017	VP3	23/07/2024	17:00	Lapwing	3	-	-	-	-	-	improved agricultural grassland; grazing, calling	NM
L.018	VP3	23/07/2024	17:12	Lapwing	1	15	15	0	0	0	improved agricultural grassland and disturbed ground; departing, calling, fluttering away and landing within quarry, lost from view. others remaining	NM
L.019	VP1	11/09/2024	07:34	Lapwing	17	125	0	40	85	0	improved agricultural grassland and highly modified/non-native woodland; travelling, swooping, moving away southwest	NM
L.020	VP1	11/09/2024	10:59	Lapwing	6	50	0	50	0	0	improved agricultural grassland; travelling, swooping, moving towards north site area and quarry - landing not confirmed, disappearing behind terrain	NM
L.021	VP3	12/09/2024	08:13	Lapwing	6	0	0	0	0	0	improved agricultural grassland; perched, foraging, adjacent to quarry. were not seen departing	NM
L.022	VP3	12/09/2024	09:42	Lapwing	3	40	0	0	40	0	improved agricultural grassland, linear woodland/scrub and scrub/transitional woodland; travelling	NM
L.023	VP3	12/09/2024	10:18	Lapwing	21	75	25	40	10	0	improved agricultural grassland and linear woodland/scrub; travelling, swooping, landing, landing on farmland on site	NM
L.024	VP3	12/09/2024	10:20	Lapwing	21	0	0	0	0	0	improved agricultural grassland; perched, foraging, group that arrived from northwest, present for remainder of survey	NM
L.025	VP3	12/09/2024	12:07	Lapwing	7	50	0	20	30	0	improved agricultural grassland and highly modified/non-native woodland; travelling	NM



Table 7 – 4a - 15 Lapwing Winter Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
L.001	16/03/2023	10:44	-	Lapwing	18	amenity grassland (improved) and riparian woodland; flock flight across field, 13m (wintering)	MS
L.002	16/03/2023	12:43	-	Lapwing	23	wet grassland; feeding, same flock as earlier +5 (wintering)	MS
L.003	17/10/2023	12:27	-	Lapwing	14	improved agricultural grassland; perched on farmland on site (wintering)	NM
L.004	21/11/2023	10:24	-	Lapwing	37	improved agricultural grassland; perched and foraging on grassland (wintering)	NM
L.005	21/11/2023	12:20	-	Lapwing	16	improved agricultural grassland; perched and foraging on farmland (wintering)	NM
L.006	21/11/2023	14:09	-	Lapwing	143	improved agricultural grassland and scrub; swirling over farmland off site (wintering)	NM
L.007	21/11/2023	15:17	-	Lapwing	9	improved agricultural grassland; perched on grassland (wintering)	NM
L.008	21/11/2023	16:04	-	Lapwing	67	improved agricultural grassland and linear woodland/scrub; swirling over farmland - ne buffer (wintering)	NM
L.009	15/02/2024	15:10	-	Lapwing	16	improved agricultural grassland; perched, foraging (wintering)	NM
L.010	29/11/2024	10:05	T1	Lapwing	19	improved agricultural grassland, linear woodland/scrub and highly modified/non-native woodland; travelling, calling (wintering)	NM
L.011	13/03/2025	11:45	T2	Lapwing	2	improved agricultural grassland and wet grassland; travelling (wintering)	CC

Table 7 – 4a - 16 Lapwing Breeding Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
L.001	15/04/2023	08:48	-	Lapwing	3	wet grassland and improved agricultural grassland; territory defence, southern transects (permanent territory; probable breeding)	MS
L.002	08/04/2024	10:42	WO	Lapwing	1	wet grassland; territorial , male (suitable nesting habitat; possible breeder)	MS
L.003	24/07/2024	08:11	-	Lapwing	5	improved agricultural grassland and hedgerows; travelling, swooping, descending, moving low across site, descending into north of site but exact landing location unknown (summering; non-breeding)	NM

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
L.004	24/07/2024	10:06	-	Lapwing	2	improved agricultural grassland and semi-natural grassland; travelling, swooping, landing, dropping into southeast corner of site, location of landing unknown (summering; non-breeding)	NM
L.005	24/07/2024	12:04	-	Lapwing	8	improved agricultural grassland; grazing on ground, calling, freshly cut field (summering; non-breeding)	NM
L.006	24/07/2024	17:06	-	Lapwing	8	improved agricultural grassland and linear woodland/scrub; travelling (flyover; non-breeding)	NM
L.007	24/07/2024	16:44	-	Lapwing	3	improved agricultural grassland, semi-natural grassland and highly modified/non-native woodland; flushed, departing (summering; non-breeding)	NM

Table 7 – 4a - 17 Lapwing Waterbird Distribution Survey

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.001	Lough Sewdy	23/11/2022	09:41	Lapwing	3	dystrophic lakes; flew from northern bank off in a south west direction	MW
L.002	Ardnagragh	23/11/2022	11:43	Lapwing	49	improved agricultural grassland; gathered together with 67 bh, feeding	MW
L.003	Streamstown	07/12/2022	12:41	Lapwing	41	improved agricultural grassland; foraging, same location as two weeks before	MW
L.004	Uma More	05/09/2023	12:20	Lapwing	2	improved agricultural grassland; in field, circling, calling, flying north east	FLM
L.005	Ballynagrenia & Ballinderry Bog	10/10/2023	09:01	Lapwing	216	improved agricultural grassland and linear woodland/scrub; swirling and swooping over farmland to n of bog area, moving gradually e	NM
L.006	Ballymore	10/10/2023	15:26	Lapwing	86	improved agricultural grassland; flying across farmland, moving wsw	NM
L.007	Ballinlig	31/10/2023	15:39	Lapwing	39	improved agricultural grassland and linear woodland/scrub; swirling over farmland, descending gradually and lost from view	NM
L.008	R. Tang farmland	09/11/2023	09:16	Lapwing	25	improved agricultural grassland; commuting across farmland, moving ne	NM
L.009	R. Tang	09/11/2023	10:01	Lapwing	43	improved agricultural grassland; perched with semi-flooded farmland along river	NM
L.010	Drumraney	09/11/2023	10:28	Lapwing	51	improved agricultural grassland; swirling over farmland	NM
L.011	Ballymore	09/11/2023	11:33	Lapwing	57	improved agricultural grassland; swirling over farmland	NM

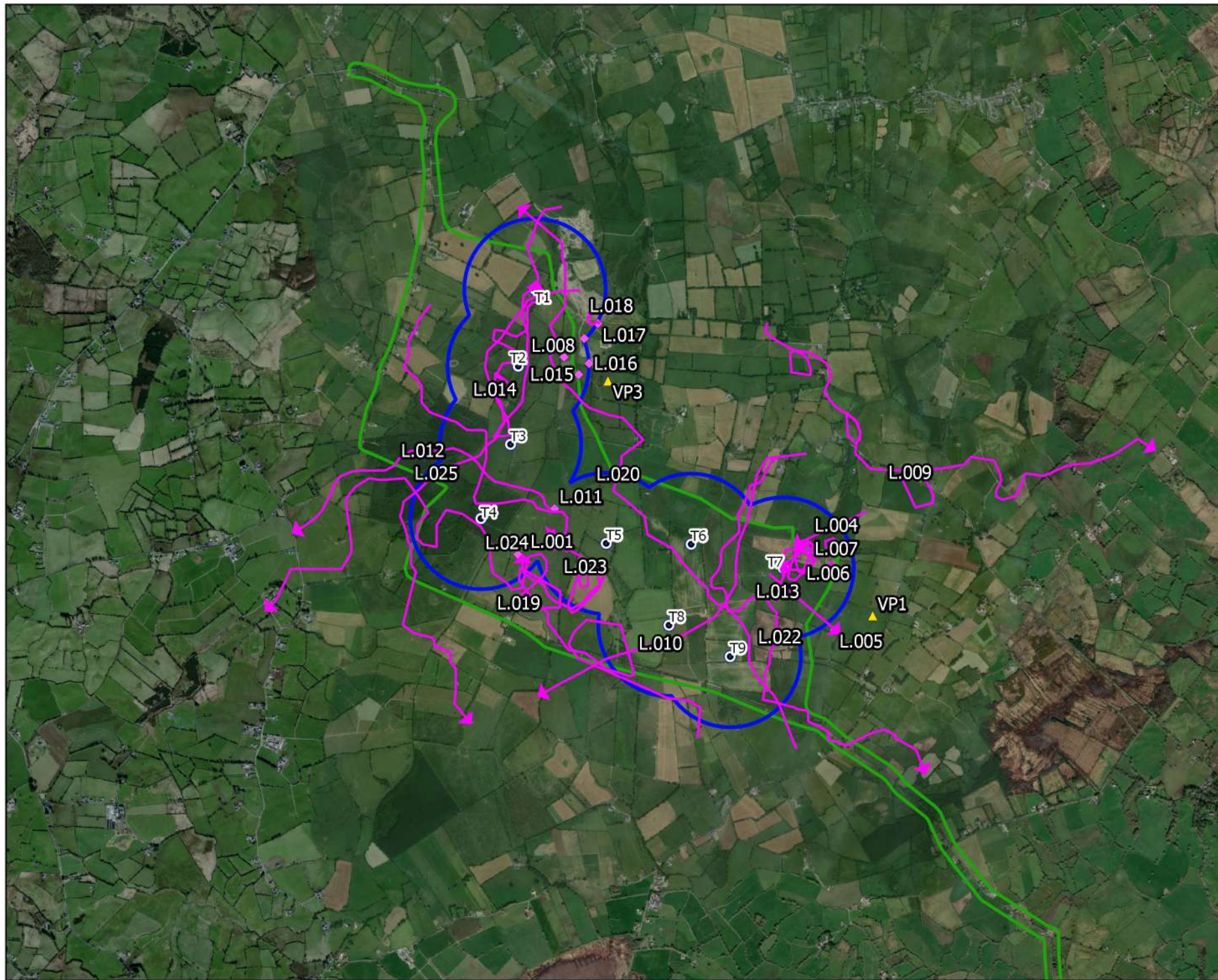
L.012	Moyvoughly	09/11/2023	15:27	Lapwing	48	improved agricultural grassland; perched within farmland	NM
L.013	Ballymore	29/11/2023	10:58	Lapwing	132	improved agricultural grassland and semi-natural grassland; swirling over farmland	NM
L.014	On site	29/11/2023	15:54	Lapwing	54	improved agricultural grassland and hedgerows; commuting w across site in the evening	NM
L.015	Umma Beg (VP1 area)	30/01/2024	12:06	Lapwing	97	improved agricultural grassland; soaring, travelling	NM
L.016	Lugacaha	21/02/2024	08:28	Lapwing	19	improved agricultural grassland; travelling south	NM
L.017	Adjacent to R. Tang	21/02/2024	09:03	Lapwing	11	improved agricultural grassland; perched, foraging	NM
L.018	Clonybane	21/02/2024	11:28	Lapwing	11	improved agricultural grassland and highly modified/non-native woodland; travelling northwest	NM
L.019	Ballynagall	21/02/2024	13:58	Lapwing	31	improved agricultural grassland; travelling, swirling, moving south	NM
L.020	Gortmore	27/03/2024	09:28	Lapwing	47	improved agricultural grassland; travelling southwest	NM
L.021	Ballynagrenia & Ballinderry bogs	27/03/2024	14:36	Lapwing	8	bogs; travelling, swooping, descending, possibly evidence of displaying	NM
L.022	Umma More	13/08/2024	11:40	Lapwing	13	improved agricultural grassland; grazing, perched	NM
L.023	Ballynagrenia & Ballinderry bogs	13/08/2024	14:33	Lapwing	7	scrub, bogs and improved agricultural grassland; travelling, moving east	NM
L.024	Lough Sewdy	25/09/2024	11:10	Lapwing	1	dystrophic lakes and improved agricultural grassland; flying, over lake	FLM
L.025	Lough Sewdy S1	11/01/2025	14:00	Lapwing	1	lakes and ponds and improved agricultural grassland; travelling	DM
L.026	Lough Sewdy S1	30/01/2025	15:00	Lapwing	2	lakes and ponds and wet grassland; roosting	DM

Table 7 – 4a - 18 Lapwing Incidental Records

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.001	Waterbird Distribution Survey; Lough Sewdy	07/12/2022	11:03	Lapwing	15	dystrophic lakes and improved agricultural grassland; flight	MW







- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - ▲ VP Locations
  - Flight Observation
  - ◆ Non-flight Observation



Drawing Title  
**Lapwing Vantage Point Survey Observations**

Project Title  
**Umma More Renewable Energy Development**

Drawn By <b>KS</b>	Checked By <b>PC</b>
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Project No. <b>201050</b>	Drawing No. <b>Fig. 7-4a-14</b>
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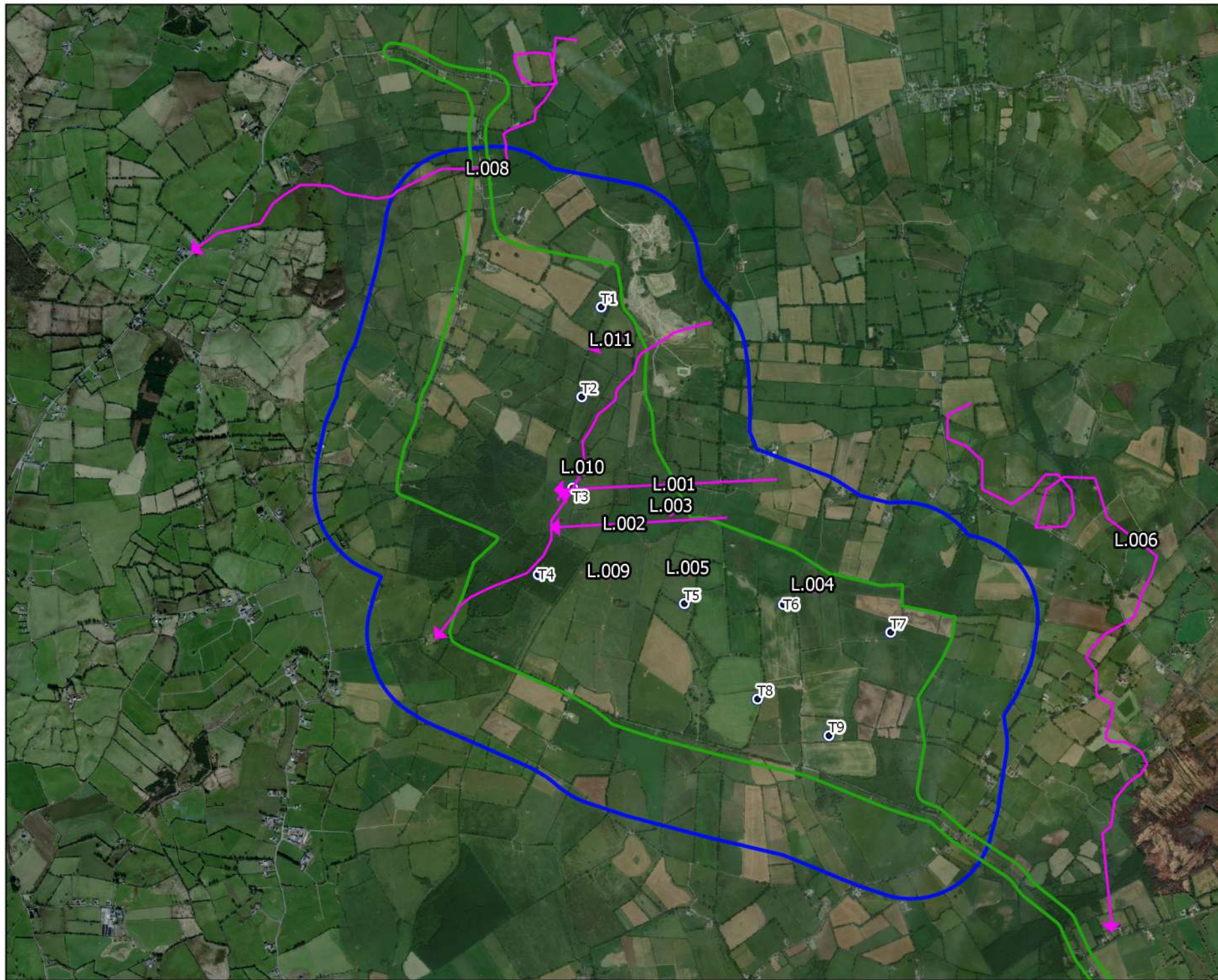
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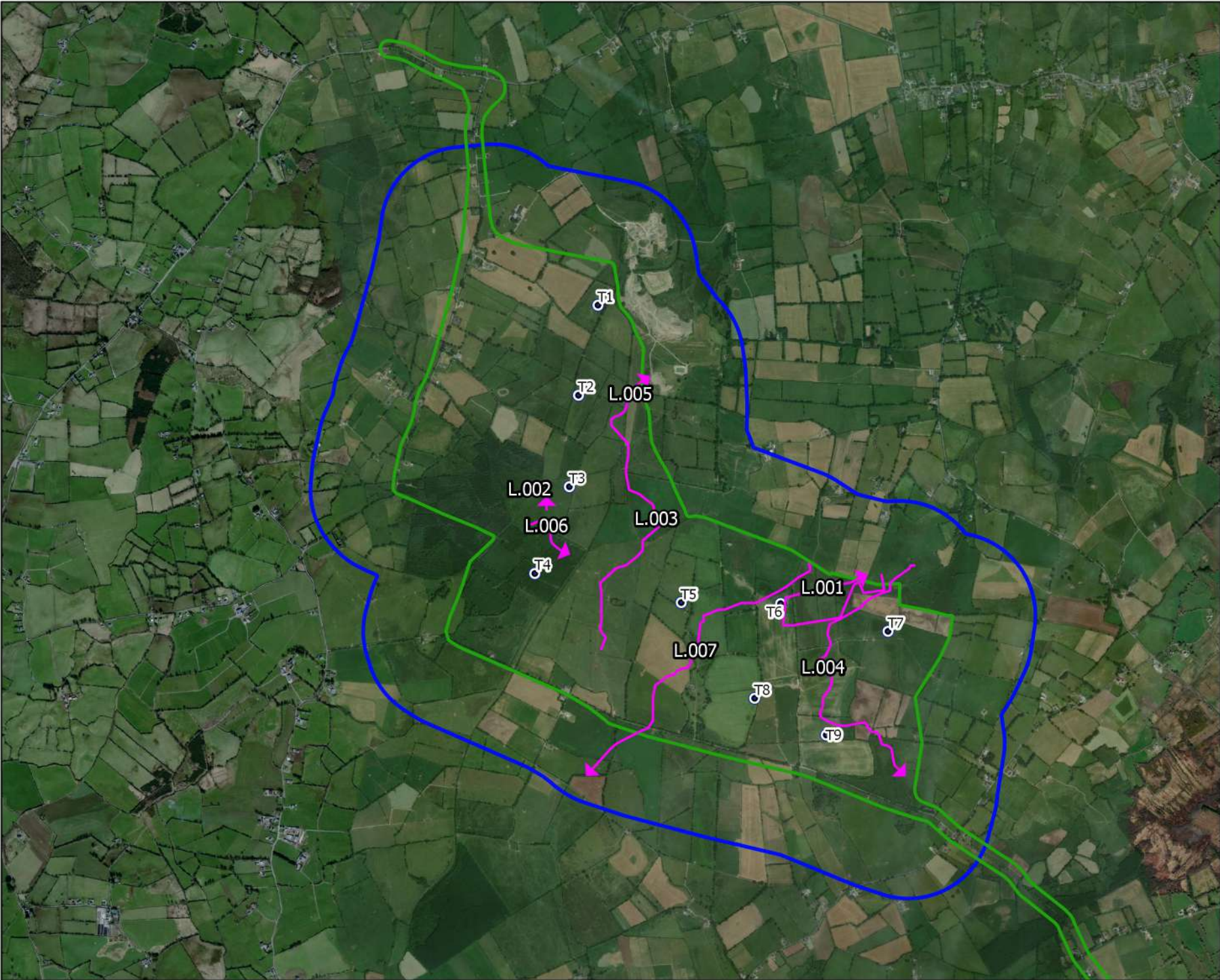
- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - Flight Observation



Drawing Title	
Lapwing Winter Walkover Survey Observations	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-15
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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - Flight Observation







Drawing Title	
Lapwing Breeding Walkover Survey Observations	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-16
Scale	Date
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# Map Legend

-  EIAR Site Boundary
-  Proposed Turbine Layout
-  5km Survey Radius
-  Observation



Drawing Title  
**Lapwing Waterbird Distribution  
Survey Observations**

Project Title  
**Umma More Renewable Energy  
Development**

Drawn By <b>KS</b>	Checked By <b>PC</b>
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Project No. <b>201050</b>	Drawing No. <b>Fig. 7-4a-17</b>
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Scale <b>1:80,000</b>	Date <b>13.06.2025</b>
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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - Flight Observation



Drawing Title	
Lapwing Incidental Records	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-18
Scale	Date
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## TUFTED DUCK

Table 7 - 4 - 19 Tufted Duck Waterbird Distribution Surveys

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
TU001	s1/ ballymore/ lough sewdy	30/05/2023	06:40	Tufted Duck	3	dystrophic lakes; flying over, two males and one female	FLM
TU002	L. Sewdy	09/11/2023	09:30	Tufted Duck	23	lakes and ponds; swimming and diving on lake	NM
TU003	L. Sewdy	29/11/2023	11:25	Tufted Duck	83	lakes and ponds; swimming on lake	NM





- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 5km Survey Radius
  - Observation



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**Drawing Title**  
Tufted Duck Waterbird Distribution  
Survey Observations

**Project Title**  
Umma More Renewable Energy  
Development

<b>Drawn By</b> KS	<b>Checked By</b> PC
<b>Project No.</b> 201050	<b>Drawing No.</b> Fig. 7-4a-19
<b>Scale</b> 1:80,000	<b>Date</b> 13.06.2025

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7.

## BLACK-HEADED GULL

Table 7 - 4a - 20 Black-headed Gull Vantage Point Survey

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	25/11/2022	12:44	Black-headed Gull	6	60	20	40	0	0	improved agricultural grassland; slow undulating commute flight, other gull species possible	MW
BH002	VP3	11/10/2023	15:49	Black-headed Gull	23	780	100	350	330	0	disturbed ground, improved agricultural grassland and linear woodland/scrub; swirling and swooping over quarry area for a long period, eventually moving away sw	NM
BH003	VP1	22/11/2023	10:23	Black-headed Gull	5	180	0	0	180	0	improved agricultural grassland; commuting across farmland	NM
BH004	VP3	15/12/2023	11:30	Black-headed Gull	33	1600	250	250	1100	0	improved agricultural grassland; swirling and swooping over farmland, moving e, often swirling close to ground - but never landing	NM
BH005	VP3	15/12/2023	15:09	Black-headed Gull	5	80	0	0	80	0	improved agricultural grassland; commuting across farmland	NM
BH006	VP1	06/02/2024	14:39	Black-headed Gull	18	70	0	70	0	0	improved agricultural grassland and linear woodland/scrub; travelling, swooping	NM
BH007	VP1	06/02/2024	16:06	Black-headed Gull	1	60	0	0	60	0	improved agricultural grassland and highly modified/non-native woodland; travelling	NM
BH008	VP1	24/05/2024	09:14	Black-headed Gull	5	88	0	0	88	0	improved agricultural grassland; flying	FLM
BH009	VP1	11/09/2024	08:38	Black-headed Gull	8	65	0	0	65	0	improved agricultural grassland and linear woodland/scrub; travelling	NM

Table 7 - 4a - 21 Black-headed Gull Winter Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BH001	15/02/2024	12:40	-	Black-headed Gull	4	improved agricultural grassland; travelling (wintering)	NM

Table 7 – 4a - 22 Black-headed Gull Breeding Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BH001	11/07/2023	08:15	-	Black-headed Gull	2	improved agricultural grassland; feeding in manured field (summering; non-breeding)	MS

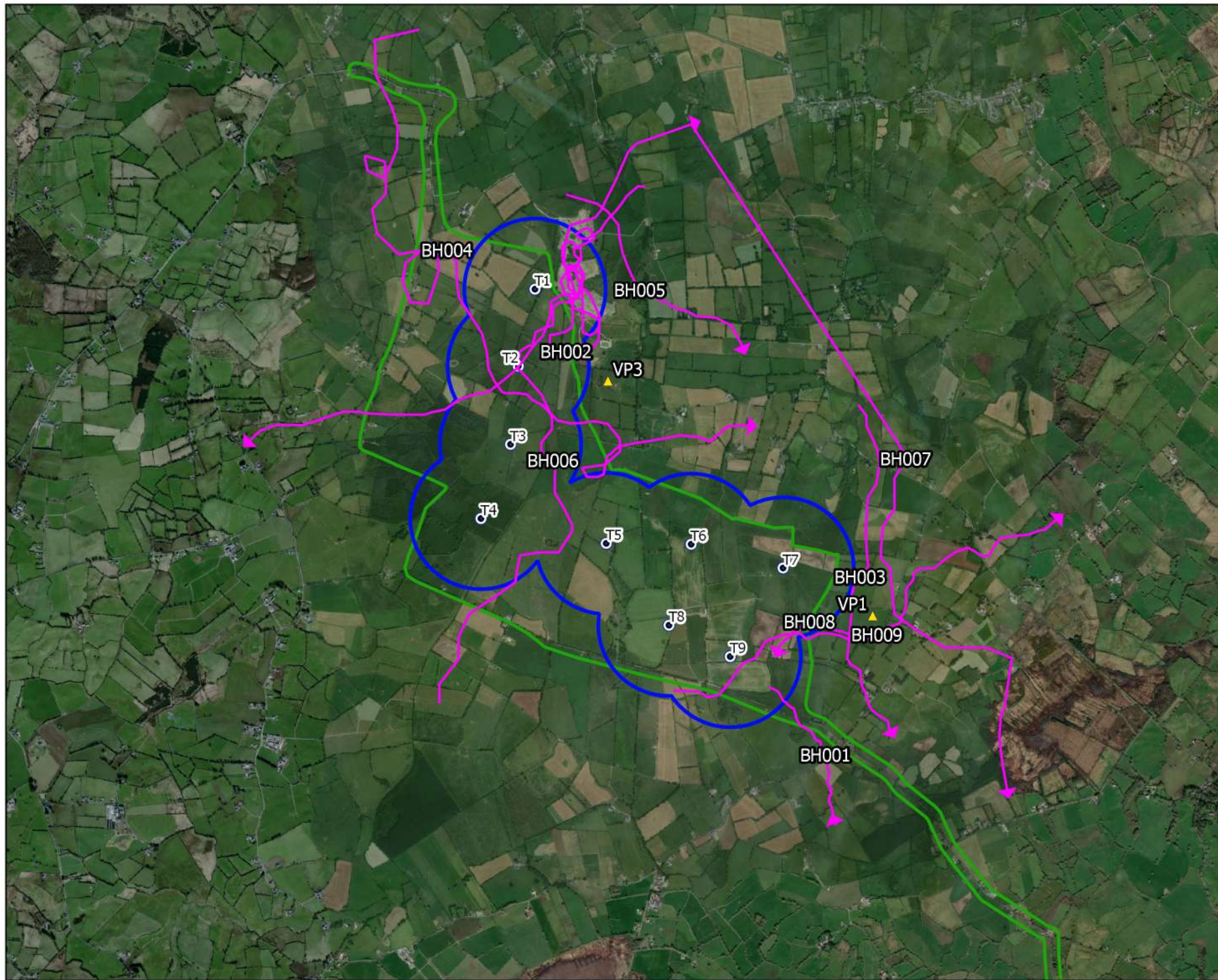
Table 7 – 4a - 23 Black-headed Gull Waterbird Distribution Survey

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BH001	Ardnagragh	23/11/2022	11:40	Black-headed Gull	67	improved agricultural grassland; feeding on paddock, patrolling surroundings over considerable area. with 49 l.	MW
BH002	L. Sewdy	09/11/2023	09:30	Black-headed Gull	16	lakes and ponds; floating on lake	NM
BH003	Moyvoughly	09/11/2023	13:29	Black-headed Gull	5	improved agricultural grassland; commuting across farmland, moving nw	NM
BH004	Ballynagrenia & Ballinderry Bog	29/11/2023	09:27	Black-headed Gull	26	bogs and scrub; commuting across bog, moving sw	NM
BH005	Knockastia	29/11/2023	10:41	Black-headed Gull	12	improved agricultural grassland; soaring over farmland	NM
BH006	Ballinacorra	07/02/2024	11:54	Black-headed Gull	4	improved agricultural grassland and highly modified/non-native woodland; travelling, on site, moving northeast	NM
BH007	Curragh	07/02/2024	13:33	Black-headed Gull	2	improved agricultural grassland; travelling west	NM
BH008	Ballymore	21/02/2024	09:35	Black-headed Gull	5	improved agricultural grassland and buildings and artificial surfaces; travelling east	NM
BH009	Ballymore	27/03/2024	08:09	Black-headed Gull	15	improved agricultural grassland and buildings and artificial surfaces; travelling north, swooping	NM
BH010	Ballymore	03/05/2024	14:02	Black-headed Gull	3	improved agricultural grassland; travelling southwest	NM
BH011	Ballynagrenia & Ballinderry bogs	03/05/2024	19:04	Black-headed Gull	8	bogs and scrub; travelling northeast	NM
BH012	Sewdy lough	25/11/2024	14:00	Black-headed Gull	12	lakes and ponds and improved agricultural grassland; travelling	DM



Table 7 - 4a - 24 Black-headed Gull Incidental Records

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BH001	Breeding Raptor Survey; Raheen	24/05/2024	16:45	Black-headed Gull	25	improved agricultural grassland; perched, foraging	NM
BH002	Breeding Raptor Survey; BR1	11/06/2024	12:17	Black-headed Gull	3	improved agricultural grassland, bogs and scrub; travelling	NM
BH003	Breeding Raptor Survey; BR1	11/06/2024	12:56	Black-headed Gull	7	improved agricultural grassland and linear woodland/scrub; travelling, swooping	NM
BH004	Breeding Barn Owl Survey; BOVP2	11/06/2024	21:48	Black-headed Gull	1	improved agricultural grassland and linear woodland/scrub; travelling	NM



- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - ▲ VP Locations
  - Flight Observation



Drawing Title  
**Black-headed Gull Vantage Point  
 Survey Observations**

Project Title  
 Umma More Renewable Energy  
 Development

Drawn By KS	Checked By PC
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Project No. 201050	Drawing No. Fig. 7-4a-20
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Scale 1:35,000	Date 13.06.2025
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- Map Legend
- EIA Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - Flight Observation



Drawing Title	
Black-headed Gull Winter Walkover Survey Observations	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-21
Scale	Date
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- Map Legend
- EIA Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - Flight Observation



Drawing Title  
Black-headed Gull Breeding Walkover  
Survey Observations

Project Title  
Umma More Renewable Energy  
Development

Drawn By KS	Checked By PC
Project No. 201050	Drawing No. Fig. 7-4a-22
Scale 1:30,000	Date 13.06.2025

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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 5km Survey Radius
  - Observation



Drawing Title:  
**Black-headed Gull Waterbird  
Distribution Survey Observations**

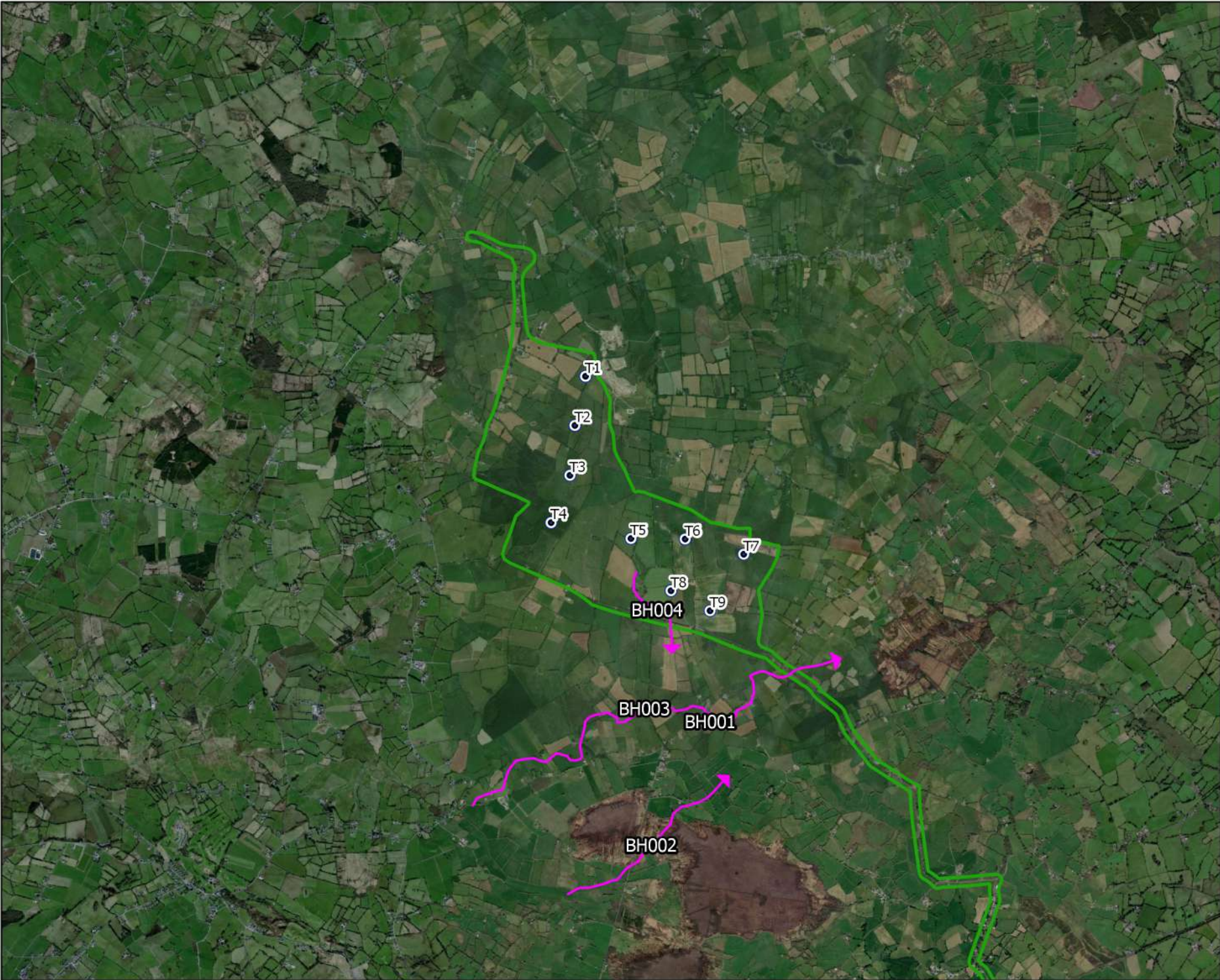
Project Title:  
**Umma More Renewable Energy  
Development**

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Project No: <b>201050</b>	Drawing No: <b>Fig. 7-4a-23</b>
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- Map Legend
- EIA Site Boundary
  - Proposed Turbine Layout
  - Flight Observation



Drawing Title  
**Black-headed Gull Incidental Records**

Project Title  
**Umma More Renewable Energy Development**

Drawn By <b>KS</b>	Checked By <b>PC</b>
Project No. <b>201050</b>	Drawing No. <b>Fig. 7-4a-24</b>
Scale <b>1:55,000</b>	Date <b>13.06.2025</b>

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8.

## LITTLE GREBE

Table 7 – 4a - 25 Little Grebe Vantage Point Surveys

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
LG001	VP3	19/06/2024	16:13	Little Grebe	1	-	-	-	-	-	other artificial lakes and ponds and active quarries and mines; foraging	EOB
LG002	VP4	02/10/2024	18:23	Little Grebe	1	-	-	-	-	-	lakes and ponds; fishing	FOD

Table 7 – 4a - 26 Little Grebe Winter Walkover Surveys

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
LG001	13/03/2025	09:25	T1	Little Grebe	1	other artificial lakes and ponds; swimming, feeding, seen briefly before diving (wintering)	CC

Table 7 – 4a - 27 Little Grebe Waterbird Distribution Surveys

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
LG001	s1	14/03/2023	13:45	Little Grebe	1	eutrophic lakes and marsh; swim/ dive	MS
LG002	L. Sewdy	10/10/2023	15:11	Little Grebe	7	lakes and ponds; swimming and diving on lake	NM
LG003	L. Sewdy	21/02/2024	08:20	Little Grebe	27	lakes and ponds and reed and large sedge swamps; swimming, calling, diving, scattered within lake and fringes, numbers were rough	NM
LG004	L. Sewdy	03/05/2024	14:43	Little Grebe	5	lakes and ponds and reed and large sedge swamps; swimming, calling	NM
LG005	L. Sewdy	29/08/2024	11:51	Little Grebe	3	lakes and ponds; swimming, diving	NM





- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - ▲ VP Locations
  - ◆ Non-flight Observation



Drawing Title <b>Little Grebe Vantage Point Survey Observations</b>	
Project Title <b>Umma More Renewable Energy Development</b>	
Drawn By <b>KS</b>	Checked By <b>PC</b>
Project No. <b>201050</b>	Drawing No. <b>Fig. 7-4a-25</b>
Scale <b>1:35,000</b>	Date <b>13.06.2025</b>
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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - Flight Observation



Drawing Title  
**Little Grebe Winter Walkover  
Survey Observations**

Project Title  
**Umma More Renewable Energy  
Development**

Drawn By <b>KS</b>	Checked By <b>PC</b>
Project No. <b>201050</b>	Drawing No. <b>Fig. 7-4a-26</b>
Scale <b>1:30,000</b>	Date <b>13.06.2025</b>

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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 5km Survey Radius
  - Observation



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Drawing Title  
**Little Grebe Waterbird Distribution  
Survey Observations**

Project Title  
**Umma More Renewable Energy  
Development**

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Project No. <b>201050</b>	Drawing No. <b>Fig. 7-4a-27</b>
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9.

# MALLARD

Table 7 - 4a - 28 Mallard Vantage Point Survey

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
MA001	VP3	21/10/2022	14:26	Mallard	30	60	10	50	0	0	scrub; landed in wet scrub and concealed	MW
MA002	VP3	22/11/2022	07:16	Mallard	10	-	-	-	-	-	improved agricultural grassland; contact calls, mw	MW
MA003	VP3	22/11/2022	07:17	Mallard	1	-	-	-	-	-	improved agricultural grassland; calling, heard not seen	MW
MA004	VP3	22/11/2022	08:28	Mallard	5	70	0	45	25	0	improved agricultural grassland; flight	MW
MA005	VP3	24/02/2023	14:18	Mallard	2	20	20	0	0	0	riparian woodland and improved agricultural grassland; flight along creek, 8m	MS
MA006	VP3	04/04/2023	08:11	Mallard	4	10	0	10	0	0	wet grassland; fly over	MS
MA007	VP1	16/04/2023	06:34	Mallard	2	-	-	-	-	-	wet grassland; pair on wet area	MS
MA008	VP1	16/04/2023	06:40	Mallard	7	-	-	-	-	-	wet grassland; loafing on wet area	MS
MA009	VP3	19/07/2023	08:40	Mallard	3	22	0	22	0	0	improved agricultural grassland and treelines; flight, 20m	MS
MA010	VP3	19/07/2023	09:00	Mallard	2	24	0	22	2	0	improved agricultural grassland and treelines; direct flight, 20m	MS
MA011	VP3	19/09/2023	08:10	Mallard	4	15	0	15	0	0	improved agricultural grassland; flying form roost	FLM
MA012	VP3	15/12/2023	16:06	Mallard	16	140	0	30	110	0	improved agricultural grassland and linear woodland/scrub; commuting s across site	NM
MA013	VP1	14/03/2024	10:49	Mallard	8	40	0	25	15	0	improved agricultural grassland and linear woodland/scrub; travelling	NM
MA014	VP3	12/04/2024	19:00	Mallard	1	45	15	30	0	0	treelines and improved agricultural grassland; flying	MS
MA015	VP3	23/07/2024	19:13	Mallard	3	75	40	30	5	0	improved agricultural grassland and lakes and ponds; travelling, landing, landing on quarry lake	NM



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
MA016	VP3	23/07/2024	19:15	Mallard	3	-	-	-	-	-	lakes and ponds and disturbed ground; swimming, calling, present for remainder of survey. same individuals that flew in and landed	NM
MA017	VP3	02/10/2024	17:32	Mallard	2	-	-	-	-	-	active quarries and mines and lakes and ponds; on water	FOD
MA018	VP1	20/11/2024	16:56	Mallard	2	60	0	60	0	0	improved agricultural grassland; travelling	DM
MA019	VP3	26/11/2024	09:50	Mallard	17	0	0	0	0	0	active quarries and mines; feeding, pond in sand-pit	DM
MA020	VP3	16/01/2025	09:48	Mallard	4	60	60	0	0	0	improved agricultural grassland and depositing/lowland rivers; travelling, probably landed	DM
MA021	VP3	16/01/2025	11:25	Mallard	8	240	60	60	120	0	improved agricultural grassland and depositing/lowland rivers; travelling	DM
MA022	VP3	16/01/2025	13:05	Mallard	7	60	30	30	0	0	improved agricultural grassland and depositing/lowland rivers; travelling	DM
MA023	VP3	12/02/2025	14:43	Mallard	7	47	0	20	27	0	improved agricultural grassland; traveling	CC

Table 7 - 4a - 29 Mallard Winter Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MA001	16/03/2023	08:53	-	Mallard	1	hedgerows, riparian woodland and amenity grassland (improved); over flight, 20m (wintering)	MS
MA002	16/03/2023	09:18	-	Mallard	2	depositing/lowland rivers and riparian woodland; flush from river (wintering)	MS
MA003	21/11/2023	11:09	-	Mallard	18	improved agricultural grassland; commuting and calling across farmland (wintering)	NM
MA004	15/02/2024	09:41	-	Mallard	5	drainage ditches and improved agricultural grassland; flushed, calling (wintering)	NM
MA005	29/11/2024	11:42	T2	Mallard	5	depositing/lowland rivers and improved agricultural grassland; flushed, calling (wintering)	NM
MA006	22/01/2025	10:17		Mallard	2	depositing/lowland rivers and improved agricultural grassland; feeding (wintering)	DM



Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MA007	22/01/2025	13:38		Mallard	1	depositing/lowland rivers; feeding (wintering)	DM

Table 7 – 4a - 30 Mallard Breeding Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MA001	19/05/2023	08:15	-	Mallard	1	improved agricultural grassland and depositing/lowland rivers; flying over to river (suitable nesting habitat; possible breeder)	FLM
MA002	19/05/2023	10:20	-	Mallard	1	improved agricultural grassland and depositing/lowland rivers; flying over to river, male (suitable nesting habitat; possible breeder)	FLM
MA003	19/05/2023	11:15	-	Mallard	1	improved agricultural grassland; flying over, male (suitable nesting habitat; possible breeder)	FLM
MA004	15/04/2023	13:42	-	Mallard	2	depositing/lowland rivers, wet willow-alder-ash woodland and improved agricultural grassland; pair on river, northern transects (pair; probable breeding)	MS
MA005	14/06/2023	08:50	-	Mallard	6	wet willow-alder-ash woodland, improved agricultural grassland and amenity grassland (improved); 2 adults 4 fledglings (fledged young; confirmed breeding)	MS
MA006	11/07/2023	12:22	-	Mallard	1	improved agricultural grassland, other artificial lakes and ponds and active quarries and mines; female flying across pond area (suitable nesting habitat; possible breeder)	MS
MA007	08/04/2024	07:20	WO	Mallard	2	depositing/lowland rivers, wet willow-alder-ash woodland and wet grassland; flying, landed, courting, pair (suitable nesting habitat; possible breeder)	MS

Table 7 – 4a - 31 Mallard Waterbird Distribution Survey

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
MA001	Umma More	12/10/2022	17:28	Mallard	30	improved agricultural grassland and scrub; roost site	MW
MA002	Lough Sewdy	07/12/2022	11:14	Mallard	1	dystrophic lakes; resting waters edge	MW
MA003	Lough Sewdy	07/12/2022	11:15	Mallard	5	dystrophic lakes; heard not seen, guess location and number	MW
MA004	G1 Ballinlig	13/02/2023	13:00	Mallard	2	improved agricultural grassland; on winter flood pond	FLM



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
MA005	Sunderlin lough S1	18/02/2023	07:35	Mallard	5	eutrophic lakes; swim and flying	MS
MA006	umma g6	18/02/2023	10:14	Mallard	1	riparian woodland and drainage ditches; flying and landed	MS
MA007	lough sewdy	24/02/2023	11:30	Mallard	7	lakes and ponds; flying/ on lake	FLM
MA008	umma d6	28/02/2023	10:10	Mallard	2	riparian woodland; flight	MS
MA009	Sunderlin lough S1	28/02/2023	15:00	Mallard	6	eutrophic lakes; swimming	MS
MA010	g1	14/03/2023	09:10	Mallard	2	wet willow-alder-ash woodland, cutover bog and recently-felled woodland; pair/flight/calling	MS
MA011	s1	14/03/2023	13:44	Mallard	1	eutrophic lakes and riparian woodland; fly in/ swim	MS
MA012	s1	14/03/2023	14:02	Mallard	2	eutrophic lakes, marsh and riparian woodland; pair/ fly in/ land	MS
MA013	B3	06/04/2023	14:45	Mallard	3	acid oligotrophic lakes and upland blanket bog; on bog ditch water	MS
MA014	B3	06/04/2023	14:53	Mallard	1	upland blanket bog and acid oligotrophic lakes; fly in and land	MS
MA015	B3	21/04/2023	07:43	Mallard	4	other artificial lakes and ponds and upland blanket bog; flush/feeding	MS
MA016	S1 Ballymore	18/05/2023	11:20	Mallard	2	dystrophic lakes; foraging	FLM
MA017	S1/ Ballymore Lough Sewdy	30/05/2023	06:20	Mallard	2	dystrophic lakes; flying away from roost	FLM
MA018	Raheen	01/08/2023	12:40	Mallard	4	improved agricultural grassland; roosting/ foraging, adult with young	FLM
MA019	Raheen	05/09/2023	11:50	Mallard	2	improved agricultural grassland; foraging, on pond	FLM
MA020	L. Sewdy	10/10/2023	15:10	Mallard	18	lakes and ponds and reed and large sedge swamps; swimming on lake - primarily calling within reedy margins, numbers were rough	NM
MA021	L. Sewdy	31/10/2023	11:58	Mallard	17	reed and large sedge swamps and lakes and ponds; swimming and calling with reedy margins	NM
MA022	L. Sewdy	09/11/2023	09:29	Mallard	8	lakes and ponds; swimming on lake	NM



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
MA023	L. Sewdy	29/11/2023	11:21	Mallard	117	lakes and ponds and reed and large sedge swamps; swimming and calling on lake and along fringes, scattered throughout	NM
MA024	Umma More	29/11/2023	15:02	Mallard	24	improved agricultural grassland; commuting across farmland, moving w	NM
MA025	Lecade	05/12/2023	11:20	Mallard	5	improved agricultural grassland and canals; foraging	FLM
MA026	Lough Sewdy	18/12/2023	14:30	Mallard	8	dystrophic lakes and improved agricultural grassland; flying	FLM
MA027	Ballynagrenia & Ballinderry bogs	30/01/2024	15:45	Mallard	9	cutover bog and lakes and ponds; dabbling, flushed	NM
MA028	L. Sewdy	12/03/2024	15:06	Mallard	24	lakes and ponds and reed and large sedge swamps; swimming, calling, numbers were rough, likely to be more	NM
MA029	L. Sewdy	12/03/2024	15:11	Mallard	48	lakes and ponds and reed and large sedge swamps; swimming, dabbling	NM
MA030	L. Sewdy	12/03/2024	15:13	Mallard	3	lakes and ponds and reed and large sedge swamps; travelling low across lake, landing with reedbed fringe	NM
MA031	L. Sewdy	12/03/2024	15:19	Mallard	6	lakes and ponds and reed and large sedge swamps; departing, calling	NM
MA032	L. Sewdy	12/03/2024	15:21	Mallard	2	lakes and ponds; swimming	NM
MA033	R. Tang	12/03/2024	15:30	Mallard	5	depositing/lowland rivers; swimming	NM
MA034	Ballinderry and Ballynagrenia bogs	12/03/2024	16:52	Mallard	2	bogs and scrub; travelling, calling	NM
MA035	Dungolman river (Umma More)	12/03/2024	17:04	Mallard	13	depositing/lowland rivers; swimming, foraging	NM
MA036	L. Sewdy	27/03/2024	07:48	Mallard	24	lakes and ponds and reed and large sedge swamps; swimming, calling	NM
MA037	R. Tang	27/03/2024	08:22	Mallard	7	depositing/lowland rivers; swimming, calling	NM
MA038	Ballinlig	27/03/2024	11:47	Mallard	8	depositing/lowland rivers; swimming	NM
MA039	S1-lough	04/04/2024	07:22	Mallard	1	reed and large sedge swamps and dystrophic lakes; flying, landed	MS
MA040	S1-lough	04/04/2024	07:35	Mallard	1	reed and large sedge swamps and dystrophic lakes; flying, landed	MS

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
MA041	G1	04/04/2024	10:37	Mallard	1	cutover bog, scrub and wet heath; flying	MS
MA042	Raheen	08/04/2024	10:20	Mallard	1	improved agricultural grassland; flushed, on pond	FLM
MA043	S1-lough	18/04/2024	08:15	Mallard	1	eutrophic lakes, reed and large sedge swamps and wet willow-alder-ash woodland; flying, landed	MS
MA044	Lough Sewdy S1	22/04/2024	10:13	Mallard	3	dystrophic lakes; loafing	FLM
MA045	Umma More	22/04/2024	13:15	Mallard	3	improved agricultural grassland; flying	FLM
MA046	Raheen	22/04/2024	13:45	Mallard	1	improved agricultural grassland; loafing, female with ducklings	FLM
MA047	L. Sewdy	03/05/2024	14:41	Mallard	12	lakes and ponds and reed and large sedge swamps; swimming, calling	NM
MA048	L. Sewdy	29/08/2024	11:48	Mallard	2	reed and large sedge swamps and lakes and ponds; flushed, calling	NM
MA049	L. Sewdy	29/08/2024	11:50	Mallard	16	lakes and ponds and reed and large sedge swamps; swimming, dabbling, scattered	NM
MA050	Lough Sewdy S1	04/09/2024	10:40	Mallard	2	dystrophic lakes; loafing	FLM
MA051	Baskin D2	04/09/2024	11:50	Mallard	1	depositing/lowland rivers and improved agricultural grassland; flushed	FLM
MA052	Raheen	04/09/2024	13:10	Mallard	2	other artificial lakes and ponds and improved agricultural grassland; loafing	FLM
MA053	Lough Sewdy	25/09/2024	10:16	Mallard	8	dystrophic lakes; loafing, male	FLM
MA054	a	08/10/2024	10:26	Mallard	3	bogs; flushed	FOD
MA055	a	08/10/2024	12:36	Mallard	1	lakes and ponds; foraging	FOD
MA056	s1	29/10/2024	13:36	Mallard	1	watercourses; loafing	FOD
MA057	D3	25/11/2024	13:00	Mallard	15	improved agricultural grassland; feeding, flooded field	DM
MA058	D1	25/11/2024	13:40	Mallard	34	improved agricultural grassland; feeding, flooded field	DM

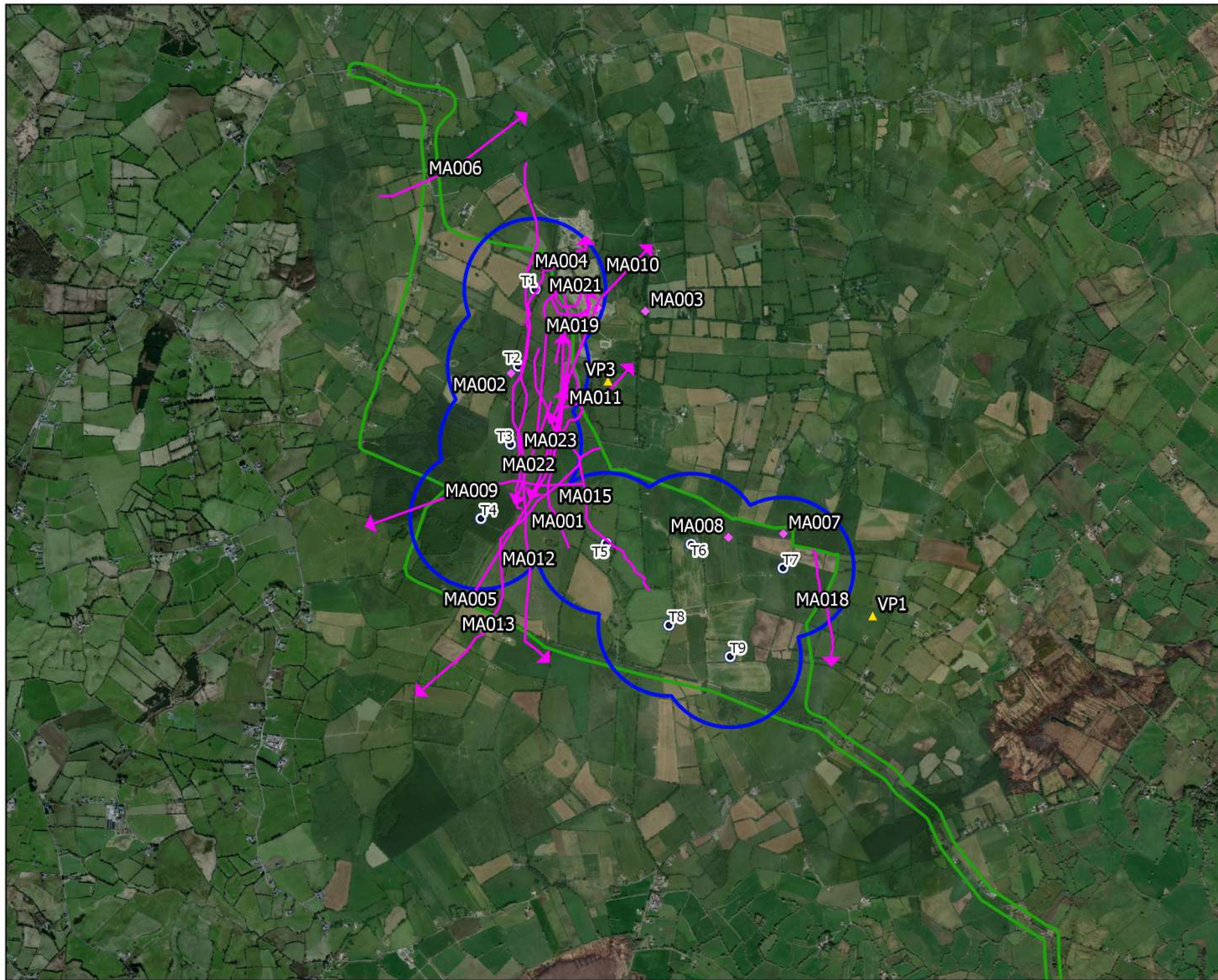


Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
MA059	Sewdy lough	25/11/2024	14:00	Mallard	29	lakes and ponds; feeding	DM
MA060	S1, Lough Sewdy	04/12/2024	14:30	Mallard	15	lakes and ponds; feeding	DM
MA061	D1	21/12/2024	14:00	Mallard	2	depositing/lowland rivers and improved agricultural grassland; travelling, landed on river	DM
MA062	S1, Lough Sewdy	21/12/2024	16:00	Mallard	2	lakes and ponds; feeding	DM
MA063	Lough Sewdy S1	11/01/2025	14:00	Mallard	3	lakes and ponds and depositing/lowland rivers; feeding	DM
MA064	D5-D7	30/01/2025	11:00	Mallard	1	cutover bog; travelling	DM
MA065	D1	30/01/2025	14:00	Mallard	1	depositing/lowland rivers and improved agricultural grassland; feeding	DM
MA066	Lough Sewdy S1	30/01/2025	15:00	Mallard	17	lakes and ponds; feeding	DM
MA067	Lough Sewdy	05/02/2025	14:14	Mallard	3	lakes and ponds; roosting	SD
MA068	Tang River	05/02/2025	15:30	Mallard	10	lakes and ponds; foraging	SD
MA069	Lough Sewdy	19/02/2025	12:29	Mallard	3	lakes and ponds; roosting	SD
MA070	S1 Lough Sewdy	06/03/2025	14:30	Mallard	5	lakes and ponds; feeding	DM
MA071	B1	24/03/2025	11:15	Mallard	1	cutover bog and improved agricultural grassland; travelling	DM
MA072	D1	24/03/2025	12:15	Mallard	1	depositing/lowland rivers and improved agricultural grassland; feeding	DM
MA073	S1 Lough Sewdy	24/03/2025	13:00	Mallard	8	lakes and ponds; feeding	DM

Table 7 – 4a - 32 Mallard Incidental Records

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
MA001	Breeding Raptor Survey; East quarry	23/05/2023	11:05	Mallard	1	improved agricultural grassland and hedgerows; flying over	FLM
MA002	Breeding Raptor Survey; rvp2	25/05/2023	07:40	Mallard	2	raised bog and improved agricultural grassland; flying over	FLM
MA003	Waterbird Distribution and Abundance Survey; Pasture east of G1; 53.454373, -7.708977	04/04/2024	09:35	Mallard	11	wet grassland; swimming, feeding, 1 female, 10 chicks	MS
MA004	Breeding Raptor Survey; BR2	11/04/2024	13:32	Mallard	1	bogs and scrub; travelling, calling	NM
MA005	Breeding Raptor Survey; BOVP1 (BRVP8)	12/04/2024	05:49	Mallard	5	improved agricultural grassland and linear woodland/scrub; travelling, calling	NM
MA006	Breeding Raptor Survey; HHVP2 / RVP7	12/04/2024	09:47	Mallard	2	bogs and scrub; calling, circling	NM
MA007	Breeding Raptor Survey; HHVP2 / RVP7	12/04/2024	09:59	Mallard	1	bogs and scrub; travelling	NM
MA008	Breeding Raptor Survey; HHVP2 / RVP7	12/04/2024	10:51	Mallard	2	bogs and scrub; departing	NM
MA009	Breeding Raptor Survey; Ballinderry bog	12/04/2024	13:49	Mallard	3	improved agricultural grassland, bogs and scrub; flying, calling	NM
MA010	Breeding Raptor Survey; T2	30/04/2024	10:47	Mallard	1	improved agricultural grassland and linear woodland/scrub; travelling, calling	NM
MA011	Breeding Raptor Survey; T2 / Dungolman river	30/04/2024	11:02	Mallard	2	improved agricultural grassland, watercourses and linear woodland/scrub; travelling, calling, landing on small river	NM
MA012	Breeding Raptor Survey; T1	30/04/2024	12:56	Mallard	3	improved agricultural grassland; travelling, calling	NM
MA013	Breeding Raptor Survey; T1	30/04/2024	12:45	Mallard	1	improved agricultural grassland; travelling, male	NM
MA014	Breeding Raptor Survey; HHVP2a	30/04/2024	16:37	Mallard	2	bogs and scrub/transitional woodland; flying, calling	NM
MA015	Breeding Barn Owl Survey; BOVP3	30/04/2024	20:30	Mallard	1	improved agricultural grassland; travelling	NM





- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - ▲ VP Locations
  - Flight Observation
  - ◆ Non-flight Observation



Drawing Title  
**Mallard Vantage Point Survey Observations**

Project Title  
**Umma More Renewable Energy Development**

Drawn By: **KS** Checked By: **PC**

Project No.: **201050** Drawing No.: **Fig. 7-4a-28**

Scale: **1:35,000** Date: **13.06.2025**

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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - Flight Observation



Drawing Title  
**Mallard Winter Walkover Survey  
Observations**

Project Title  
**Umma More Renewable Energy  
Development**

Drawn By  
**KS**

Checked By  
**PC**

Project No.  
**201050**

Drawing No.  
**Fig. 7-4a-29**

Scale  
**1:30,000**

Date  
**13.06.2025**

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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - Flight Observation



Drawing Title  
Mallard Breeding Walkover Survey  
Observations

Project Title  
Umma More Renewable Energy  
Development

Drawn By  
KS

Checked By  
PC

Project No.  
201050

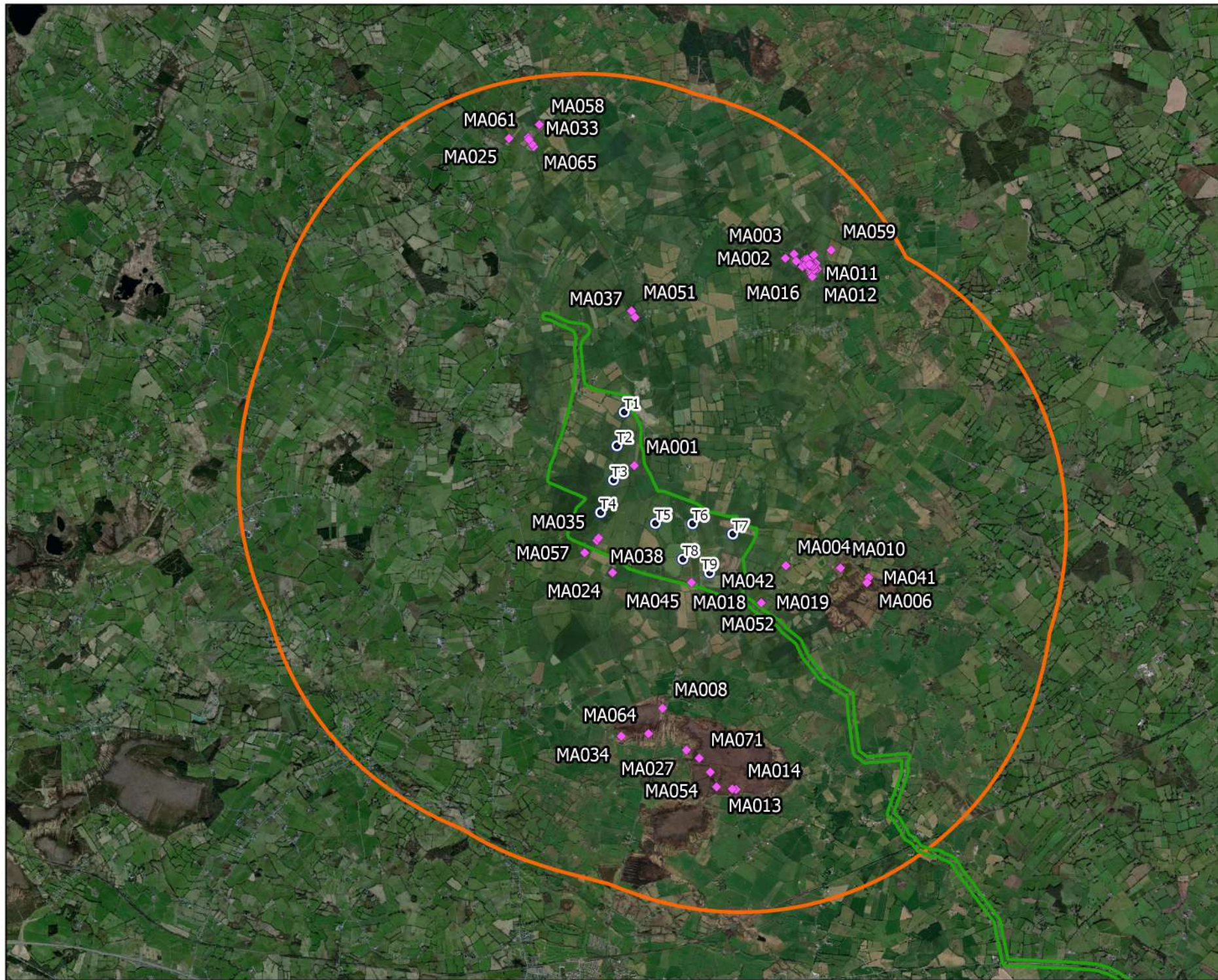
Drawing No.  
Fig. 7-4a-30

Scale  
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13.06.2025

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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 5km Survey Radius
  - ◆ Observation



Drawing Title <b>Mallard Waterbird Distribution Survey Observations</b>	
Project Title <b>Umma More Renewable Energy Development</b>	
Drawn By <b>KS</b>	Checked By <b>PC</b>
Project No. <b>201050</b>	Drawing No. <b>Fig. 7-4a-31</b>
Scale <b>1:80,000</b>	Date <b>13.06.2025</b>
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- Map Legend
-  EIAR Site Boundary
  -  Proposed Turbine Layout
  -  Flight Observation



Drawing Title

**Mallard Incidental Records**

Project Title

Umma More Renewable Energy Development

Drawn By: KS Checked By: PC

Project No.: 201050 Drawing No.: Fig. 7-4a-32

Scale: 1:70,000 Date: 13.06.2025

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10.

## TEAL

Table 7 – 4a - 33 Teal Vantage Point Survey

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
T.001	VP3	16/01/2025	13:21	Teal	28	90	30	60	0	0	improved agricultural grassland and depositing/lowland rivers; travelling	DM
T.002	vp3	20/03/2025	07:55	Teal	3	30	30	0	0	0	depositing/lowland rivers and improved agricultural grassland; travelling	DM

Table 7 – 4a - 34 Teal Winter Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
T.001	16/03/2023	09:20	-	Teal	14	depositing/lowland rivers and riparian woodland; flush from river (wintering)	MS
T.002	16/03/2023	10:30	-	Teal	12	depositing/lowland rivers, riparian woodland and amenity grassland (improved); flush creek, 5m (wintering)	MS
T.003	17/01/2024	12:24	-	Teal	42	watercourses and improved agricultural grassland; swimming, calling (wintering)	NM
T.004	17/01/2024	12:31	-	Teal	7	watercourses; flushed (wintering)	NM
T.005	17/01/2024	16:42	-	Teal	2	drainage ditches and improved agricultural grassland; flushed (wintering)	NM
T.006	17/01/2024	16:52	-	Teal	7	drainage ditches and improved agricultural grassland; flushed (wintering)	NM
T.007	17/01/2024	17:30	-	Teal	5	improved agricultural grassland; calling (wintering)	NM
T.008	15/02/2024	15:17	-	Teal	19	depositing/lowland rivers; swimming, calling (wintering)	NM
T.009	22/01/2025	09:40		Teal	3	depositing/lowland rivers and improved agricultural grassland; feeding (wintering)	DM
T.010	22/01/2025	09:50		Teal	5	depositing/lowland rivers and improved agricultural grassland; feeding (wintering)	DM
T.011	22/01/2025	10:05		Teal	2	depositing/lowland rivers and improved agricultural grassland; feeding (wintering)	DM



Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
T.012	22/01/2025	10:17		Teal	4	depositing/lowland rivers and improved agricultural grassland; feeding (wintering)	DM
T.013	22/01/2025	12:05		Teal	12	other artificial lakes and ponds and improved agricultural grassland; feeding, pond on farm (wintering)	DM
T.014	22/01/2025	13:35		Teal	1	depositing/lowland rivers; feeding (wintering)	DM
T.015	22/01/2025	13:37		Teal	2	depositing/lowland rivers; feeding (wintering)	DM
T.016	22/01/2025	13:38		Teal	3	depositing/lowland rivers; feeding (wintering)	DM
T.017	22/01/2025	13:52		Teal	2	drainage ditches and wet grassland; feeding (wintering)	DM
T.018	22/01/2025	13:56		Teal	3	drainage ditches and wet grassland; feeding (wintering)	DM

Table 7 - 4a - 35 Teal Waterbird Distribution Survey

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
T.001	Rosemount	24/02/2023	14:00	Teal	7	improved agricultural grassland and turloughs; foraging	FLM
T.002	Ardnacranny	29/11/2023	12:36	Teal	150	improved agricultural grassland; swirling over farmland, moving w, exact numbers were hard due to distance	NM
T.003	Lough Sewdy	05/12/2023	15:00	Teal	10	dystrophic lakes; foraging	FLM
T.004	Raheen	18/12/2023	12:00	Teal	6	improved agricultural grassland; foraging, on winter pond	FLM
T.005	Umma More	18/12/2023	12:20	Teal	8	improved agricultural grassland; foraging, on winter pond	FLM
T.006	Lough Sewdy	30/01/2024	09:17	Teal	12	reed and large sedge swamps and lakes and ponds; flushed, departing	NM
T.007	Lough Sewdy	30/01/2024	09:22	Teal	87	lakes and ponds and reed and large sedge swamps; foraging, calling	NM
T.008	River Tang	30/01/2024	10:18	Teal	18	depositing/lowland rivers; foraging, calling	NM



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
T.009	L. Sewdy	12/03/2024	15:24	Teal	15	lakes and ponds; swimming, calling	NM
T.010	Dungolman river	27/03/2024	11:54	Teal	12	depositing/lowland rivers; swimming, calling	NM
T.011	D3 Raheen	08/04/2024	11:00	Teal	2	improved agricultural grassland; loafing	FLM
T.012	L. Sewdy	29/08/2024	11:56	Teal	8	lakes and ponds; swimming, dabbling	NM
T.013	Sewdy lough	11/11/2024	14:30	Teal	3	lakes and ponds; feeding	DM
T.014	Lough Sewdy S1	30/01/2025	15:00	Teal	3	lakes and ponds; feeding	DM
T.015	S1 Lough Sewdy	06/03/2025	14:30	Teal	3	lakes and ponds; feeding	DM
T.016	D3	24/03/2025	11:30	Teal	2	depositing/lowland rivers and improved agricultural grassland; feeding	DM
T.017	S1 Lough Sewdy	24/03/2025	13:00	Teal	2	lakes and ponds; feeding	DM

Table 7 - 4a - 36 Teal Incidental Records

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
T.001	Waterbird Distribution and Abundance Survey; Pasture east of G1	04/04/2024	09:35	Teal	9	wet grassland; swimming, feeding,	MS



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



Drawing Title  
**Teal Vantage Point Survey Observations**

Project Title  
**Umma More Renewable Energy Development**

Drawn By <b>KS</b>	Checked By <b>PC</b>
Project No. <b>201050</b>	Drawing No. <b>Fig. 7-4a-33</b>
Scale <b>1:35,000</b>	Date <b>13.06.2025</b>

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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - Flight Observation



Drawing Title	
Teal Winter Walkover Survey Observations	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-34
Scale	Date
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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 5km Survey Radius
  - Observation



Drawing Title  
**Teal Waterbird Distribution Survey Observations**

Project Title  
Umma More Renewable Energy Development

Drawn By KS	Checked By PC
Project No. 201050	Drawing No. Fig. 7-4a-35
Scale 1:80,000	Date 13.06.2025

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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - Flight Observation



Drawing Title	
Teal Incidental Records	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-36
Scale	Date
1:55,000	13.06.2025
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11.

# SNIPE

Table 7 - 4a - 37 Snipe Vantage Point Survey

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	VP3	21/10/2022	17:38	Snipe	1	20	5	15	0	0	improved agricultural grassland; high flight	MW
SN002	VP1	25/11/2022	07:10	Snipe	1	-	-	-	-	-	improved agricultural grassland; flushed	MW
SN003	VP01	13/06/2023	09:22	Snipe	2	600	0	100	500	0	dry meadows and grassy verges; display flights	MS
SN004	VP01	13/06/2023	09:50	Snipe	1	600	0	0	600	0	dry meadows and grassy verges; display flights, almost continuous flights	MS
SN005	VP1	06/10/2023	13:54	Snipe	1	80	15	65	0	0	improved agricultural grassland; flushed from farmland	NM
SN006	VP1	06/10/2023	16:13	Snipe	3	80	0	20	60	0	improved agricultural grassland; flying and alarm calling across farmland	NM
SN007	VP1	06/10/2023	17:57	Snipe	2	110	0	0	110	0	improved agricultural grassland and linear woodland/scrub; flying frantically and alarm calling across farmland	NM
SN008	VP1	22/11/2023	07:41	Snipe	2	35	0	35	0	0	improved agricultural grassland and hedgerows; flying and alarm calling across farmland at dawn	NM
SN009	VP1	22/11/2023	08:01	Snipe	6	65	0	25	40	0	improved agricultural grassland and linear woodland/scrub; flying frantically across farmland	NM
SN010	VP1	12/12/2023	15:06	Snipe	1	55	0	0	55	0	improved agricultural grassland; flying frantically across farmland	NM
SN011	VP1	12/12/2023	16:24	Snipe	3	850	0	250	600	0	improved agricultural grassland; alarm calling over farmland at dusk, exact numbers were an estimate	NM
SN012	VP3	15/12/2023	16:11	Snipe	2	175	0	0	175	0	improved agricultural grassland and linear woodland/scrub; flying and alarm calling across site at dusk	NM
SN013	VP1	18/01/2024	09:33	Snipe	2	125	0	0	125	0	improved agricultural grassland and linear woodland/scrub; commuting, alarming	NM



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
SN014	VP3	13/02/2024	17:40	Snipe	6	35	0	15	20	0	improved agricultural grassland; travelling, calling	NM
SN015	VP1	14/03/2024	06:38	Snipe	1	25	0	25	0	0	improved agricultural grassland; travelling, alarming	NM
SN016	VP1	14/03/2024	07:18	Snipe	3	35	0	35	0	0	improved agricultural grassland; travelling, alarming	NM
SN017	VP3	26/03/2024	05:55	Snipe	1	30	0	0	30	0	improved agricultural grassland and linear woodland/scrub; travelling, alarming	NM
SN018	VP3	26/03/2024	07:47	Snipe	4	55	10	20	25	0	improved agricultural grassland; travelling, alarming, gradually descending into farmland	NM
SN019	VP3	20/05/2024	06:18	Snipe	3	45	0	0	45	0	improved agricultural grassland and linear woodland/scrub; travelling frantically, alarming	NM
SN020	VP3	20/05/2024	06:23	Snipe	2	1200	0	300	900	0	improved agricultural grassland; drumming, chasing	NM
SN021	VP3	20/05/2024	07:04	Snipe	1	30	0	15	15	0	improved agricultural grassland and linear woodland/scrub; travelling, calling	NM
SN022	VP1	12/07/2024	14:05	Snipe	2	50	0	35	15	0	improved agricultural grassland; travelling, alarming	NM
SN023	VP1	12/07/2024	17:04	Snipe	3	45	10	20	15	0	improved agricultural grassland and linear woodland/scrub; travelling, alarming, dropping into farmland adjacent to br8	NM
SN024	VP1	12/07/2024	18:18	Snipe	1	25	0	25	0	0	improved agricultural grassland; travelling, calling	NM
SN025	VP3	20/08/2024	11:19	Snipe	2	50	0	0	50	0	improved agricultural grassland and linear woodland/scrub; travelling, calling	NM
SN026	VP1	11/09/2024	06:24	Snipe	1	15	10	5	0	0	improved agricultural grassland; flushed, alarming	NM
SN027	VP1	11/09/2024	06:41	Snipe	2	20	0	20	0	0	improved agricultural grassland; travelling, alarming	NM
SN028	VP1	11/09/2024	07:03	Snipe	1	25	10	15	0	0	improved agricultural grassland; travelling, alarming, dropping into farmland	NM
SN029	VP1	01/10/2024	18:46	Snipe	1	32	0	0	32	0	improved agricultural grassland; travelling	FOD



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
SN030	VP3	02/10/2024	16:49	Snipe	2	86	0	0	52	34	improved agricultural grassland; circling with flight calls	FOD
SN031	VP1	27/11/2024	08:28	Snipe	1	30	30	0	0	0	drainage ditches and improved agricultural grassland; flushed from stream	DM
SN032	VP1	27/11/2024	09:02	Snipe	1	20	20	0	0	0	improved agricultural grassland; travelling, flew behind hedge	DM
SN033	VP1	27/11/2024	09:52	Snipe	1	75	25	50	0	0	drainage ditches and improved agricultural grassland; travelling, flushed from stream	DM
SN034	VP1	27/11/2024	09:59	Snipe	1	60	25	35	0	0	improved agricultural grassland; travelling	DM
SN035	VP1	27/11/2024	12:55	Snipe	1	45	15	30	0	0	improved agricultural grassland; travelling, flushed from grass field	DM
SN036	VP1	11/02/2025	17:51	Snipe	2	12	12	0	0	0	improved agricultural grassland; calling, emerging	CC
SN037	VP1	11/02/2025	18:00	Snipe	1	5	5	0	0	0	improved agricultural grassland; calling	CC
SN038	VP1	11/02/2025	18:06	Snipe	2	-	-	-	-	-	improved agricultural grassland; calling, heard not seen	CC

Table 7 - 4a - 38 Snipe Winter Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SN001	13/12/2022	12:25	-	Snipe	1	improved agricultural grassland; flushed from pasture (wintering)	MW
SN002	16/03/2023	09:10	-	Snipe	1	wet grassland; flush (wintering)	MS
SN003	16/03/2023	09:47	-	Snipe	1	amenity grassland (improved); flush, 5m (wintering)	MS
SN004	17/10/2023	09:43	-	Snipe	2	improved agricultural grassland; flushed from farmland (wintering)	NM
SN005	17/10/2023	13:23	-	Snipe	1	improved agricultural grassland; flushed from farmland (wintering)	NM
SN006	17/10/2023	15:21	-	Snipe	6	improved agricultural grassland; flying frantically and alarm calling across farmland (wintering)	NM



Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SN007	17/10/2023	15:58	-	Snipe	2	improved agricultural grassland; flushed from farmland by bz flyover (wintering)	NM
SN008	17/01/2024	11:35	-	Snipe	3	improved agricultural grassland; flushed (wintering)	NM
SN009	17/01/2024	12:09	-	Snipe	3	improved agricultural grassland and drainage ditches; flushed (wintering)	NM
SN010	17/01/2024	12:11	-	Snipe	1	improved agricultural grassland; flushed (wintering)	NM
SN011	17/01/2024	12:14	-	Snipe	3	improved agricultural grassland; flying low, landed (wintering)	NM
SN012	17/01/2024	12:27	-	Snipe	1	improved agricultural grassland; flushed (wintering)	NM
SN013	17/01/2024	13:07	-	Snipe	1	improved agricultural grassland; flying, calling (wintering)	NM
SN014	17/01/2024	13:11	-	Snipe	4	improved agricultural grassland and drainage ditches; flushed (wintering)	NM
SN015	17/01/2024	13:36	-	Snipe	7	improved agricultural grassland; foraging (wintering)	NM
SN016	17/01/2024	14:01	-	Snipe	3	improved agricultural grassland and drainage ditches; flushed (wintering)	NM
SN017	17/01/2024	14:12	-	Snipe	1	improved agricultural grassland; flushed (wintering)	NM
SN018	17/01/2024	14:49	-	Snipe	2	improved agricultural grassland; flushed (wintering)	NM
SN019	17/01/2024	15:49	-	Snipe	2	drainage ditches and hedgerows; flushed (wintering)	NM
SN020	17/01/2024	16:01	-	Snipe	3	improved agricultural grassland; flushed (wintering)	NM
SN021	17/01/2024	16:14	-	Snipe	1	improved agricultural grassland; flushed (wintering)	NM
SN022	17/01/2024	16:20	-	Snipe	6	improved agricultural grassland; flushed, very wet farmland - partially flooded (wintering)	NM
SN023	17/01/2024	16:24	-	Snipe	1	improved agricultural grassland; flushed (wintering)	NM
SN024	17/01/2024	16:26	-	Snipe	2	improved agricultural grassland; flushed (wintering)	NM



Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SN025	17/01/2024	16:30	-	Snipe	3	drainage ditches, scrub and improved agricultural grassland; flushed (wintering)	NM
SN026	17/01/2024	17:10	-	Snipe	1	linear woodland/scrub and drainage ditches; flushed (wintering)	NM
SN027	17/01/2024	17:29	-	Snipe	1	improved agricultural grassland; calling, flying (wintering)	NM
SN028	15/02/2024	09:01	-	Snipe	5	improved agricultural grassland; flushed from rushy field (wintering)	NM
SN029	15/02/2024	09:34	-	Snipe	7	improved agricultural grassland; flushed (wintering)	NM
SN030	15/02/2024	09:49	-	Snipe	3	improved agricultural grassland; flushed, alarming (wintering)	NM
SN031	15/02/2024	11:29	-	Snipe	1	improved agricultural grassland; flushed (wintering)	NM
SN032	15/02/2024	11:40	-	Snipe	4	improved agricultural grassland; flushed, alarming (wintering)	NM
SN033	15/02/2024	14:48	-	Snipe	3	improved agricultural grassland; flushed, alarming (wintering)	NM
SN034	15/02/2024	15:01	-	Snipe	6	improved agricultural grassland and drainage ditches; flushed, alarming (wintering)	NM
SN035	15/02/2024	15:31	-	Snipe	2	improved agricultural grassland; flushed (wintering)	NM
SN036	29/11/2024	09:17	T1	Snipe	1	improved agricultural grassland; flushed, alarming (wintering)	NM
SN037	29/11/2024	09:22	T1	Snipe	2	improved agricultural grassland; flushed, alarming (wintering)	NM
SN038	29/11/2024	11:31	T2	Snipe	3	improved agricultural grassland; flushed, alarming (wintering)	NM
SN039	29/11/2024	11:56	T2	Snipe	1	improved agricultural grassland; flushed (wintering)	NM

Table 7 – 4a - 39 Snipe Breeding Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SN001	15/04/2023	09:19	-	Snipe	2	wet grassland; pair flushed, southern transects (pair; probable breeding)	MS
SN002	15/04/2023	11:22	-	Snipe	2	wet grassland; flushed pair, middle transects (pair; probable breeding)	MS
SN003	14/06/2023	10:18	-	Snipe	1	rich fen and flush; distraction (distraction display; confirmed breeding)	MS
SN004	14/06/2023	13:32	-	Snipe	1	dry-humid acid grassland, improved agricultural grassland and canals; courtship, high flyers (courtship and display; probable breeding)	MS
SN005	20/06/2024	10:29	T2	Snipe	1	improved agricultural grassland and freshwater marsh; called (suitable nesting habitat; possible breeder)	EOB
SN006	30/05/2024	11:16	-	Snipe	1	improved agricultural grassland and semi-natural grassland; travelling, calling (flyover; non-breeding)	NM
SN007	30/05/2024	09:06	-	Snipe	3	improved agricultural grassland; flushed, alarming (summering; non-breeding)	NM
SN008	30/05/2024	09:45	-	Snipe	1	improved agricultural grassland; flushed, calling (suitable nesting habitat; possible breeder)	NM
SN009	30/05/2024	12:18	-	Snipe	1	improved agricultural grassland; travelling, calling (flyover; non-breeding)	NM
SN010	30/05/2024	13:51	-	Snipe	2	improved agricultural grassland and linear woodland/scrub; travelling, calling (flyover; non-breeding)	NM
SN011	30/05/2024	14:06	-	Snipe	5	improved agricultural grassland; flushed, not all at once, but in quick succession (summering; non-breeding)	NM
SN012	24/07/2024	07:54	-	Snipe	2	improved agricultural grassland, semi-natural grassland and linear woodland/scrub; travelling, alarming (suitable nesting habitat; possible breeder)	NM
SN013	24/07/2024	08:31	-	Snipe	5	improved agricultural grassland; flushed, alarming, from wet farmland, not all at once (suitable nesting habitat; possible breeder)	NM
SN014	24/07/2024	09:06	-	Snipe	1	improved agricultural grassland; flushed, alarming (suitable nesting habitat; possible breeder)	NM
SN015	24/07/2024	09:36	-	Snipe	1	improved agricultural grassland and linear woodland/scrub; travelling, alarming (suitable nesting habitat; possible breeder)	NM
SN016	24/07/2024	09:51	-	Snipe	3	improved agricultural grassland and semi-natural grassland; travelling, alarming, chasing (suitable nesting habitat; possible breeder)	NM
SN017	24/07/2024	10:28	-	Snipe	1	improved agricultural grassland; travelling, alarming (suitable nesting habitat; possible breeder)	NM



Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SN018	24/07/2024	11:34	-	Snipe	1	improved agricultural grassland and linear woodland/scrub; flushed, alarming (suitable nesting habitat; possible breeder)	NM
SN019	24/07/2024	11:43	-	Snipe	3	improved agricultural grassland and linear woodland/scrub; travelling, alarming (flyover; non-breeding)	NM
SN020	24/07/2024	12:18	-	Snipe	1	disturbed ground, improved agricultural grassland and scrub; travelling, alarming (flyover; non-breeding)	NM
SN021	24/07/2024	14:39	-	Snipe	2	improved agricultural grassland; flushed, alarming (pair; probable breeding)	NM
SN022	24/07/2024	16:02	-	Snipe	2	improved agricultural grassland; flushed, alarming, flushed from rushy pasture (pair; probable breeding)	NM
SN023	24/07/2024	16:42	-	Snipe	13	improved agricultural grassland and semi-natural grassland; flushed, alarming, not all at once, sporadic eruptions in area during walkover (suitable nesting habitat; possible breeder)	NM

Table 7 - 4a - 40 Snipe Waterbird Distribution Survey

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	Ballymore Road north of Clonthead	12/10/2022	16:05	Snipe	4	wet grassland; flight, flew in arc south west	MW
SN002	umma g1	18/02/2023	09:37	Snipe	3	cutover bog and riparian woodland; flushed on survey	MS
SN003	umma g6	18/02/2023	10:14	Snipe	1	upland blanket bog; flushed on survey	MS
SN004	umma d7	18/02/2023	11:55	Snipe	4	upland blanket bog and cutover bog; flushed on survey	MS
SN005	umma d7	28/02/2023	09:35	Snipe	3	cutover bog; flushed on survey	MS
SN006	umma d5	28/02/2023	09:50	Snipe	2	upland blanket bog; flushed on survey	MS
SN007	umma g1	28/02/2023	11:40	Snipe	1	cutover bog and wet willow-alder-ash woodland; flushed on survey	MS
SN008	g1	14/03/2023	09:55	Snipe	24	wet willow-alder-ash woodland, cutover bog and recently-felled woodland; flushed on walk, scattered groups	MS
SN009	sn1	27/03/2023	11:20	Snipe	21	cutover bog and wet grassland; flushed on walk	MS

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN010	sn2	27/03/2023	13:10	Snipe	7	cutover bog and dry calcareous and neutral grassland; flushed on walk	MS
SN011	G1	06/04/2023	10:30	Snipe	15	cutover bog and wet grassland; flushed	MS
SN012	B7	06/04/2023	12:45	Snipe	1	cutover bog; flushed	MS
SN013	s1/ ballymore/ lough sewdy	30/05/2023	06:30	Snipe	8	dystrophic lakes and marsh; calling/ display, strong nidification signs	FLM
SN014	Ballynagrenia & Ballinderry Bog	10/10/2023	08:19	Snipe	5	bogs and semi-natural grassland; flying frantically and alarm calling across bog and fringes	NM
SN015	Ballynagrenia & Ballinderry Bog	10/10/2023	10:29	Snipe	4	bogs and semi-natural grassland; flushed from bog fringes	NM
SN016	Ballinlig	31/10/2023	14:36	Snipe	2	semi-natural grassland and cutover bog; flushed from bog fringes	NM
SN017	Ballynagrenia & Ballinderry Bog	31/10/2023	17:35	Snipe	2	bogs; alarm calling across bog	NM
SN018	Ballinlig	09/11/2023	12:56	Snipe	2	semi-natural grassland and bogs; flushed from bog fringes	NM
SN019	Ballynagrenia & Ballinderry Bog	09/11/2023	13:54	Snipe	1	improved agricultural grassland and scrub; flying and alarm calling across rough farmland	NM
SN020	Ballynagrenia & Ballinderry Bog	09/11/2023	14:20	Snipe	3	raised bog; flushed from heather bog	NM
SN021	Ballynagrenia & Ballinderry Bog	09/11/2023	15:10	Snipe	2	semi-natural grassland and bogs; flushed from grassy fringes of bog	NM
SN022	Lecade	05/12/2023	11:30	Snipe	1	improved agricultural grassland; flushed	FLM
SN023	Ballynagrenia & Ballinderry bogs	05/01/2024	15:31	Snipe	2	bogs and semi-natural grassland; flushed	NM
SN024	Ballynagrenia & Ballinderry bogs	05/01/2024	15:55	Snipe	2	bogs; flying, alarm calling	NM
SN025	Ballinlig	30/01/2024	12:19	Snipe	2	bogs and semi-natural grassland; flushed	NM
SN026	Ballinlig	30/01/2024	12:54	Snipe	3	bogs and semi-natural grassland; flushed	NM
SN027	Ballinlig	30/01/2024	13:31	Snipe	1	bogs and semi-natural grassland; flushed	NM



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN028	Ballynagrenia & Ballinderry bogs	30/01/2024	16:32	Snipe	2	drainage ditches and improved agricultural grassland; flushed	NM
SN029	Ballinlig	07/02/2024	12:35	Snipe	1	bogs and semi-natural grassland; flushed	NM
SN030	Ballinlig	07/02/2024	13:03	Snipe	5	bogs and semi-natural grassland; flushed	NM
SN031	Ballynagrenia & Ballinderry bogs	07/02/2024	16:18	Snipe	3	bogs; flying, alarming	NM
SN032	Ballinlig	21/02/2024	12:38	Snipe	5	bogs; flying, alarming	NM
SN033	Ballynagrenia & Ballinderry bogs	21/02/2024	13:02	Snipe	1	bogs; flying, calling	NM
SN034	Ballynagrenia & Ballinderry bogs	21/02/2024	14:16	Snipe	3	bogs and semi-natural grassland; flushed, alarming	NM
SN035	Ballynagrenia & Ballinderry bogs	21/02/2024	14:56	Snipe	1	improved agricultural grassland and scrub; flying, alarming	NM
SN036	Ballynagrenia & Ballinderry bogs	21/02/2024	15:21	Snipe	7	bogs and scrub; travelling, alarming	NM
SN037	Ballynagrenia & Ballinderry bogs	21/02/2024	15:47	Snipe	2	bogs and semi-natural grassland; flushed, alarming	NM
SN038	Ballinlig	12/03/2024	16:22	Snipe	2	bogs and semi-natural grassland; flushed, alarming	NM
SN039	Ballinlig	27/03/2024	10:37	Snipe	5	semi-natural grassland and bogs; flushed	NM
SN040	Ballinlig	27/03/2024	10:56	Snipe	1	bogs and scrub; travelling, alarming	NM
SN041	Ballynagrenia & Ballinderry bogs	27/03/2024	12:33	Snipe	3	bogs and scrub; travelling, alarming	NM
SN042	Ballynagrenia & Ballinderry bogs	27/03/2024	14:11	Snipe	1	bogs; travelling, alarming	NM
SN043	Ballynagrenia & Ballinderry bogs	27/03/2024	14:28	Snipe	3	bogs; travelling, alarming	NM
SN044	G1	04/04/2024	10:35	Snipe	2	cutover bog, scrub and wet heath; flushed	MS
SN045	Raheen	08/04/2024	10:45	Snipe	1	improved agricultural grassland; drumming	FLM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN046	S1-lough	18/04/2024	08:05	Snipe	1	eutrophic lakes, reed and large sedge swamps and wet willow-alder-ash woodland; display, calling	MS
SN047	D3	18/04/2024	10:42	Snipe	2	lowland blanket bog, scrub and wet willow-alder-ash woodland; flushed	MS
SN048	Ballinlig	03/05/2024	17:14	Snipe	2	improved agricultural grassland and scrub; flying, alarming	NM
SN049	Ballynagrenia & Ballinderry bogs	03/05/2024	19:51	Snipe	2	bogs; drumming, separate territories	NM
SN050	Ballynagrenia & Ballinderry bogs	03/05/2024	20:10	Snipe	5	bogs and semi-natural grassland; drumming, separate territories. along fringes of bog	NM
SN051	Ballynagrenia & Ballinderry bogs	03/05/2024	20:25	Snipe	1	bogs, semi-natural grassland and scrub; drumming	NM
SN052	Dungolman	28/05/2024	09:35	Snipe	2	improved agricultural grassland; flushed, alarming	NM
SN053	Dungolman	28/05/2024	10:49	Snipe	1	improved agricultural grassland; travelling, calling	NM
SN054	L. Sewdy	28/05/2024	12:00	Snipe	2	improved agricultural grassland and reed and large sedge swamps; flying, swirling	NM
SN055	Ballinlig bog	28/05/2024	15:30	Snipe	2	bogs and semi-natural grassland; flushed, alarming	NM
SN056	Ballinlig bog	28/05/2024	15:48	Snipe	3	bogs; travelling, alarming	NM
SN057	Ballynagrenia & Ballinderry bogs	28/05/2024	17:00	Snipe	3	bogs; travelling, calling	NM
SN058	Ballynagrenia & Ballinderry bogs	28/05/2024	17:07	Snipe	3	bogs; chirping	NM
SN059	Ballinlig	13/08/2024	10:31	Snipe	1	bogs and scrub; flying, calling	NM
SN060	Ballynagrenia & Ballinderry bogs	13/08/2024	14:07	Snipe	1	bogs; flushed, alarming	NM
SN061	Ballynagrenia & Ballinderry bogs	13/08/2024	14:51	Snipe	2	bogs and scrub; flying, calling	NM
SN062	Lough Sewdy	25/09/2024	11:10	Snipe	1	reed and large sedge swamps and improved agricultural grassland; flying	FLM
SN063	Lough Sewdy	25/09/2024	14:33	Snipe	6	dystrophic lakes; flying, over lake	FLM



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN064	D7	11/11/2024	11:15	Snipe	7	cutover bog; roosting	DM
SN065	B4	11/11/2024	12:30	Snipe	1	raised bog; roosting	DM
SN066	Sewdy lough	11/11/2024	14:30	Snipe	13	wet grassland and lakes and ponds; roosting	DM
SN067	G1	25/11/2024	09:30	Snipe	15	cutover bog; roosting	DM
SN068	D5,D6,D7	25/11/2024	10:30	Snipe	23	cutover bog; roosting	DM
SN069	B4	25/11/2024	11:30	Snipe	1	raised bog; roosting	DM
SN070	D1	25/11/2024	13:40	Snipe	1	depositing/lowland rivers; feeding	DM
SN071	Sewdy lough	25/11/2024	14:00	Snipe	16	lakes and ponds and wet grassland; roosting	DM
SN072	G1	04/12/2024	10:00	Snipe	1	cutover bog; roosting	DM
SN073	D5-D7	04/12/2024	11:00	Snipe	14	cutover bog; roosting	DM
SN074	Raheen, moyvoughly	04/12/2024	13:00	Snipe	6	improved agricultural grassland; travelling	DM
SN075	S1, Lough Sewdy	04/12/2024	14:30	Snipe	16	lakes and ponds and wet grassland; roosting	DM
SN076	G1	21/12/2024	11:00	Snipe	6	cutover bog; roosting	DM
SN077	D5-D7	21/12/2024	11:30	Snipe	58	cutover bog; roosting	DM
SN078	S1, Lough Sewdy	21/12/2024	16:00	Snipe	22	lakes and ponds and wet grassland; roosting	DM
SN079	D5-D7	11/01/2025	11:00	Snipe	4	cutover bog; roosting	DM
SN080	Lough Sewdy S1	11/01/2025	14:00	Snipe	11	wet grassland; roosting	DM
SN081	G1	30/01/2025	10:00	Snipe	3	cutover bog; roosting	DM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN082	D5-D7	30/01/2025	11:00	Snipe	12	cutover bog; roosting	DM
SN083	D1	30/01/2025	14:00	Snipe	1	depositing/lowland rivers and improved agricultural grassland; roosting	DM
SN084	Lough Sewdy S1	30/01/2025	15:00	Snipe	16	lakes and ponds and wet grassland; roosting	DM
SN085	Ballinderry Bog	05/02/2025	11:50	Snipe	4	cutover bog; flushed	SD
SN086	Ballinlig	05/02/2025	12:30	Snipe	3	cutover bog; flushed	SD
SN087	D7	19/02/2025	10:32	Snipe	48	cutover bog; roosting	SD
SN088	G1	19/02/2025	11:38	Snipe	25	cutover bog; roosting	SD
SN089	G1	06/03/2025	09:30	Snipe	15	cutover bog; roosting	DM
SN090	D5,D6,D7	06/03/2025	10:30	Snipe	8	cutover bog; roosting	DM
SN091	D3	06/03/2025	12:30	Snipe	1	improved agricultural grassland and depositing/lowland rivers; roosting	DM
SN092	S1 Lough Sewdy	06/03/2025	14:30	Snipe	21	wet grassland and lakes and ponds; roosting	DM
SN093	G1	24/03/2025	08:30	Snipe	1	cutover bog; roosting	DM
SN094	D5,D6,D7	24/03/2025	09:30	Snipe	2	cutover bog; roosting	DM
SN095	S1 Lough Sewdy	24/03/2025	13:00	Snipe	22	wet grassland and lakes and ponds; roosting	DM

Table 7 – 4a - 41 Snipe Incidental Records

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	27/03/2024	18:50	Snipe	1	bogs and semi-natural grassland; drumming, swooping	NM
SN002	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	27/03/2024	18:57	Snipe	3	bogs and semi-natural grassland; drumming, swooping, chasing	NM



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN003	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	27/03/2024	19:07	Snipe	2	bogs; drumming, swooping, chasing	NM
SN004	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	27/03/2024	19:25	Snipe	1	bogs, scrub and semi-natural grassland; drumming	NM
SN005	Breeding Red Grouse Survey; VP3 approach	26/03/2024	11:39	Snipe	2	improved agricultural grassland; flushed	NM
SN006	Breeding Raptor Survey; BR2	11/04/2024	11:46	Snipe	2	bogs and semi-natural grassland; flushed, alarming	NM
SN007	Breeding Raptor Survey; BOVP1 (BRVP8)	12/04/2024	05:34	Snipe	1	improved agricultural grassland; drumming	NM
SN008	Breeding Raptor Survey; BOVP1 (BRVP8)	12/04/2024	05:40	Snipe	1	improved agricultural grassland; drumming	NM
SN009	Breeding Raptor Survey; BOVP1 (BRVP8)	12/04/2024	05:43	Snipe	1	improved agricultural grassland and semi-natural grassland; drumming	NM
SN010	Breeding Raptor Survey; BOVP1 (BRVP8)	12/04/2024	05:46	Snipe	1	improved agricultural grassland; drumming	NM
SN011	Breeding Raptor Survey; BOVP1 (BRVP8)	12/04/2024	05:59	Snipe	2	improved agricultural grassland and semi-natural grassland; drumming, swirling	NM
SN012	Breeding Raptor Survey; BOVP1 (BRVP8)	12/04/2024	06:07	Snipe	1	improved agricultural grassland; drumming	NM
SN013	Breeding Raptor Survey; BOVP1 (BRVP8)	12/04/2024	06:33	Snipe	2	improved agricultural grassland; drumming, swirling	NM
SN014	Breeding Raptor Survey; HHVP2 / RVP7	12/04/2024	10:11	Snipe	2	bogs and semi-natural grassland; flushed, alarming	NM
SN015	Breeding Raptor Survey; Ballinderry bog	12/04/2024	13:02	Snipe	2	bogs and semi-natural grassland; flushed	NM
SN016	Breeding Raptor Survey; Ballinderry bog	12/04/2024	13:09	Snipe	1	bogs and scrub; flushed, alarming	NM
SN017	Breeding Raptor Survey; Ballinderry bog	12/04/2024	13:17	Snipe	2	bogs; flushed	NM
SN018	Breeding Raptor Survey; Ballinderry bog	12/04/2024	13:31	Snipe	2	bogs; flushed, alarming	NM
SN019	Breeding Raptor Survey; Ballinderry bog	12/04/2024	13:48	Snipe	5	bogs and semi-natural grassland; flushed, alarming	NM
SN020	Breeding Raptor Survey; HHVP1 / Abbeyshrule bog	10/04/2024	18:56	Snipe	1	bogs; flushed, alarming	NM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN021	Breeding Raptor Survey; HHVP1 / Abbeyshrule bog	10/04/2024	19:06	Snipe	3	bogs; flushed, alarming	NM
SN022	Breeding Raptor Survey; HHVP1 / Abbeyshrule bog	10/04/2024	19:53	Snipe	2	bogs; travelling, alarming	NM
SN023	Breeding Raptor Survey; HHVP1 / Abbeyshrule bog	10/04/2024	20:37	Snipe	4	bogs; travelling, alarming, descending	NM
SN024	Breeding Raptor Survey; HHVP1 / Abbeyshrule bog	10/04/2024	20:52	Snipe	2	bogs and scrub; drumming, chasing, swooping	NM
SN025	Breeding Raptor Survey; HHVP1 / Abbeyshrule bog	10/04/2024	21:06	Snipe	2	bogs; flushed, alarming	NM
SN026	Breeding Raptor Survey; HHVP1 / Abbeyshrule bog	10/04/2024	21:16	Snipe	6	bogs; flushed, alarming	NM
SN027	Breeding Raptor Survey; Abbeyshrule bog	10/04/2024	21:20	Snipe	2	bogs; drumming, swirling	NM
SN028	Breeding Raptor Survey; HHVP2a	16/05/2024	06:03	Snipe	2	bogs; flushed, alarming	NM
SN029	Breeding Raptor Survey; HHVP2a	16/05/2024	07:43	Snipe	1	bogs; flushed, alarming	NM
SN030	Breeding Raptor Survey; HHVP2a	16/05/2024	06:30	Snipe	1	bogs and scrub/transitional woodland; travelling, calling	NM
SN031	Breeding Raptor Survey; HHVP2a	16/05/2024	06:15	Snipe	1	bogs and scrub; drumming, until 07:06	NM
SN032	Breeding Raptor Survey; HHVP2a	16/05/2024	06:22	Snipe	2	bogs; drumming, chasing, until 07:49	NM
SN033	Breeding Raptor Survey; BR6	16/05/2024	16:09	Snipe	1	improved agricultural grassland; flushed	NM
SN034	Breeding Raptor Survey; BR1	17/05/2024	08:53	Snipe	5	bogs; flushed, alarming, circling, flew in wide low circle before landing once again on heather bog closeby	NM
SN035	Breeding Raptor Survey; HHVP1	24/05/2024	06:22	Snipe	3	bogs; drumming, individual territories	NM
SN036	Breeding Raptor Survey; HHVP1	24/05/2024	06:44	Snipe	2	bogs; drumming, individual territories	NM
SN037	Breeding Raptor Survey; BR2	24/05/2024	16:18	Snipe	2	bogs; flushed, alarming	NM
SN038	Breeding Raptor Survey; BR2	24/05/2024	13:31	Snipe	1	bogs; flushed	NM



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN039	Breeding Raptor Survey; BR2	24/05/2024	15:02	Snipe	3	bogs, recently-felled woodland and highly modified/non-native woodland; travelling, alarming	NM
SN040	Breeding Raptor Survey; BR&	24/05/2024	17:07	Snipe	2	bogs and scrub; travelling, alarming	NM
SN041	Breeding Raptor Survey; BR7	24/05/2024	17:16	Snipe	4	bogs; flushed, alarming	NM
SN042	Breeding Raptor Survey; BR7	24/05/2024	19:26	Snipe	2	bogs; flushed, alarming	NM
SN043	Breeding Raptor Survey; BR7	24/05/2024	19:55	Snipe	1	bogs; flushed	NM
SN044	Breeding Raptor Survey; BR7	24/05/2024	20:03	Snipe	8	bogs and semi-natural grassland; flushed, alarming, not flushed in one go - groups of 1' & 2's in quick succession	NM
SN045	Breeding Barn Owl Survey; BOVP2	24/05/2024	21:38	Snipe	1	improved agricultural grassland and linear woodland/scrub; drumming	NM
SN046	Breeding Barn Owl Survey; BOVP2	24/05/2024	22:06	Snipe	2	improved agricultural grassland and linear woodland/scrub; drumming, chasing	NM
SN047	Breeding Barn Owl Survey; BOVP2 / Umma Beg	24/05/2024	22:43	Snipe	1	improved agricultural grassland and linear woodland/scrub; drumming	NM
SN048	Breeding Raptor Survey; BOVP1 (BRVP8)	29/05/2024	17:36	Snipe	1	improved agricultural grassland; flushed	NM
SN049	Breeding Raptor Survey; BOVP1 (BRVP8)	29/05/2024	21:17	Snipe	2	improved agricultural grassland; flushed, alarming	NM
SN050	Breeding Raptor Survey; BOVP1 (BRVP8)	29/05/2024	22:14	Snipe	1	improved agricultural grassland; drumming	NM
SN051	Breeding Raptor Survey; BOVP1 (BRVP8)	29/05/2024	22:54	Snipe	3	improved agricultural grassland; drumming, separate territories	NM
SN052	Breeding Raptor Survey; BR4	07/06/2024	15:22	Snipe	3	improved agricultural grassland, semi-natural grassland and linear woodland/scrub; flying, alarming	NM
SN053	Breeding Barn Owl Survey; BOVP3	07/06/2024	21:19	Snipe	1	improved agricultural grassland and linear woodland/scrub; travelling	NM
SN054	Breeding Barn Owl Survey; BOVP3	07/06/2024	21:37	Snipe	2	improved agricultural grassland and linear woodland/scrub; flying, swirling, alarming	NM
SN055	Breeding Barn Owl Survey; BOVP3	07/06/2024	21:59	Snipe	1	improved agricultural grassland and semi-natural grassland; drumming	NM
SN056	Breeding Barn Owl Survey; BOVP3	07/06/2024	22:27	Snipe	2	improved agricultural grassland and semi-natural grassland; drumming	NM

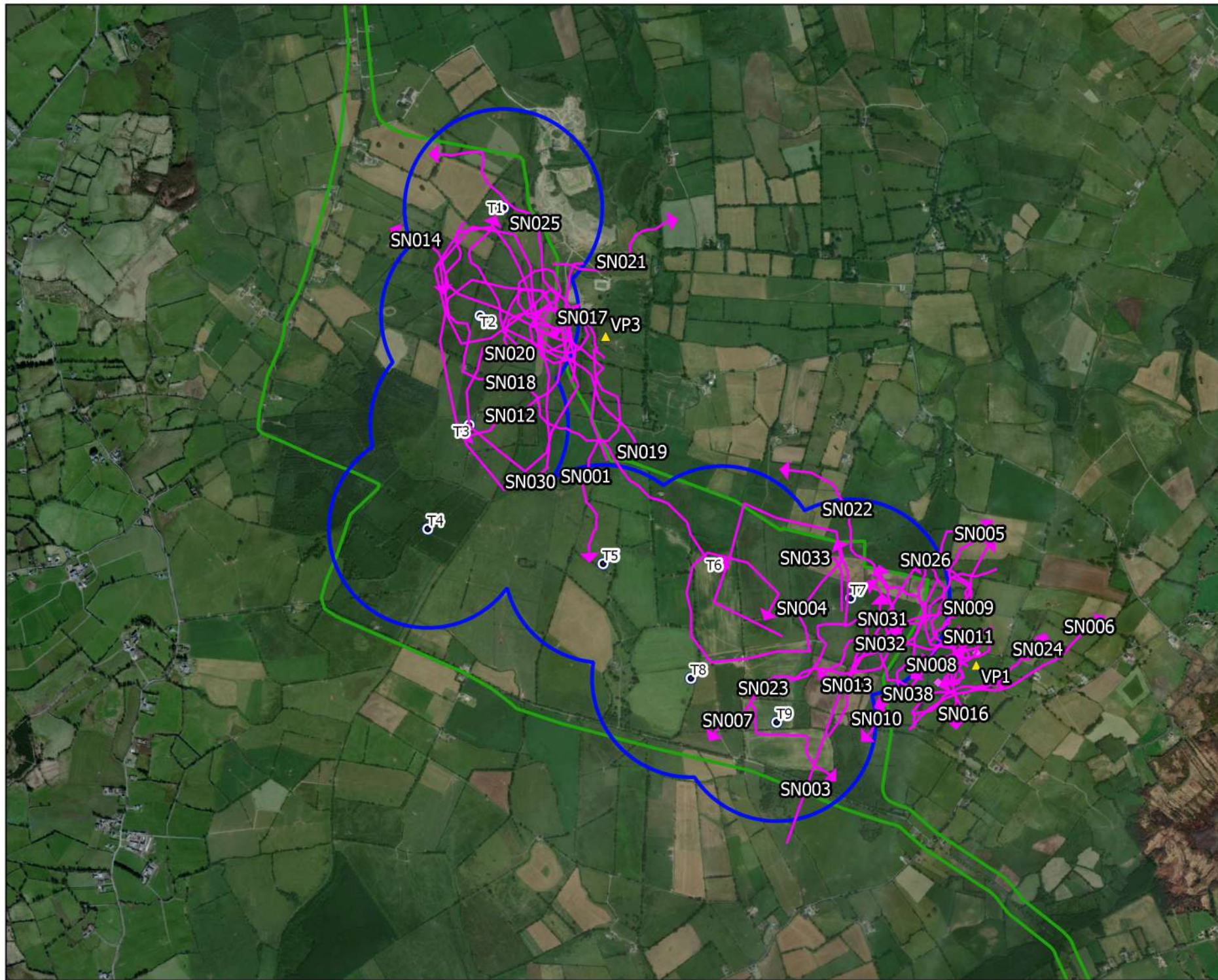
Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN057	Breeding Raptor Survey; BR6	11/06/2024	16:25	Snipe	1	improved agricultural grassland; flushed, alarming	NM
SN058	Breeding Barn Owl Survey; BOVP2	11/06/2024	22:56	Snipe	2	improved agricultural grassland; drumming, off site, drumming until end of survey. numbers were rough	NM
SN059	Breeding Raptor Survey; BR2	21/06/2024	13:09	Snipe	2	bogs and semi-natural grassland; flushed, alarming	NM
SN060	Breeding Raptor Survey; BR2	21/06/2024	12:19	Snipe	2	bogs, scrub/transitional woodland and semi-natural grassland; travelling, alarming	NM
SN061	Breeding Raptor Survey; BR2 (Ballinlig)	21/06/2024	13:17	Snipe	2	semi-natural grassland and bogs; chirping	NM
SN062	Breeding Raptor Survey; BR7	21/06/2024	13:54	Snipe	1	bogs and semi-natural grassland; flushed, alarming	NM
SN063	Breeding Raptor Survey; BR7	21/06/2024	15:11	Snipe	3	bogs; flushed	NM
SN064	Breeding Raptor Survey; BOVP1 (BRVP8)	21/06/2024	20:25	Snipe	1	improved agricultural grassland; flushed	NM
SN065	Breeding Raptor Survey; BOVP1 (BRVP8)	21/06/2024	21:58	Snipe	1	improved agricultural grassland; travelling, swooping, landing	NM
SN066	Breeding Raptor Survey; BOVP1 (BRVP8)	21/06/2024	22:23	Snipe	2	improved agricultural grassland; travelling, alarming	NM
SN067	Breeding Raptor Survey; BOVP1 (BRVP8)	21/06/2024	22:47	Snipe	2	improved agricultural grassland; alarming	NM
SN068	Breeding Raptor Survey; HHVP1 (Abbeyshrule bog)	20/06/2024	07:25	Snipe	3	bogs; flushed, alarming	NM
SN069	Breeding Raptor Survey; HHVP1 (Abbeyshrule bog)	20/06/2024	07:30	Snipe	2	bogs; drumming, separate territories	NM
SN070	Breeding Raptor Survey; HHVP1 (Abbeyshrule bog)	20/06/2024	07:39	Snipe	7	bogs; drumming, scattered across open bog, seperate territories. ceasing at ~08:30	NM
SN071	Breeding Raptor Survey; HHVP1 (Abbeyshrule bog)	20/06/2024	09:17	Snipe	2	bogs; flying, alarming, landing, landing within fringes	NM
SN072	Breeding Raptor Survey; HHVP1 (Abbeyshrule bog)	20/06/2024	09:39	Snipe	1	bogs, scrub/transitional woodland and highly modified/non-native woodland; travelling, alarming	NM
SN073	Breeding Barn Owl Survey; BOVP2	26/07/2024	20:56	Snipe	2	improved agricultural grassland and linear woodland/scrub; travelling, alarming	NM
SN074	Breeding Barn Owl Survey; BOVP2	26/07/2024	21:39	Snipe	1	improved agricultural grassland and linear woodland/scrub; travelling, calling	NM



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN075	Breeding Barn Owl Survey; BOVP2	26/07/2024	22:41	Snipe	5	improved agricultural grassland and semi-natural grassland; calling at dusk, flights not seen, only calling within rushy farmland on s boundary. numbers were rough	NM
SN076	Breeding Barn Owl Survey; BOVP3	25/07/2024	21:28	Snipe	1	improved agricultural grassland and semi-natural grassland; travelling, alarming, dropping into grassland to north of vp	NM
SN077	Breeding Barn Owl Survey; BOVP3	25/07/2024	21:51	Snipe	2	improved agricultural grassland and semi-natural grassland; travelling, swooping, alarming, dropping into grassland	NM
SN078	Breeding Raptor Survey; BR5	11/07/2024	17:09	Snipe	1	improved agricultural grassland; travelling, alarming	NM
SN079	Breeding Raptor Survey; BR5	11/07/2024	16:23	Snipe	2	improved agricultural grassland and linear woodland/scrub; travelling, swooping, alarming	NM
SN080	Breeding Raptor Survey; HHVP1 (Abbeyshrule bog)	11/07/2024	18:46	Snipe	3	bogs and scrub; flushed, alarming, dropping into bog fringes	NM
SN081	Breeding Raptor Survey; HHVP1 (Abbeyshrule bog)	11/07/2024	18:53	Snipe	1	bogs; flushed	NM
SN082	Breeding Raptor Survey; HHVP1 (Abbeyshrule bog)	11/07/2024	22:06	Snipe	2	bogs; flushed, alarming	NM
SN083	Breeding Raptor Survey; HHVP1 (Abbeyshrule bog)	11/07/2024	22:09	Snipe	1	bogs; flushed	NM
SN084	Breeding Raptor Survey; HHVP1 (Abbeyshrule bog)	11/07/2024	22:15	Snipe	3	bogs and scrub; flushed, alarming	NM
SN085	Breeding Raptor Survey; HHVP1 (Abbeyshrule bog)	11/07/2024	22:26	Snipe	2	improved agricultural grassland and highly modified/non-native woodland; flying, alarming	NM
SN086	Breeding Raptor Survey; HHVP1 (Abbeyshrule bog)	11/07/2024	20:53	Snipe	5	bogs, semi-natural grassland and scrub; travelling, swooping, alarming, dropping into bog fringes, swooping low	NM
SN087	Breeding Raptor Survey; BR1	25/07/2024	12:09	Snipe	1	bogs, semi-natural grassland and scrub; travelling, alarming, dropping into fringe	NM
SN088	Breeding Raptor Survey; BR1	25/07/2024	14:22	Snipe	3	bogs and scrub; travelling, alarming	NM
SN089	Breeding Raptor Survey; BR1	25/07/2024	14:50	Snipe	1	bogs, scrub and improved agricultural grassland; travelling, alarming	NM
SN090	Breeding Raptor Survey; BR1	25/07/2024	15:08	Snipe	1	bogs; flushed, alarming	NM
SN091	Breeding Raptor Survey; BR1	25/07/2024	15:12	Snipe	7	bogs; flushed, alarming, not all as one. dropping back into bog fringes	NM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN092	Breeding Raptor Survey; Ballynegrenia & Ballinderry bogs	31/07/2024	09:29	Snipe	2	improved agricultural grassland, scrub and bogs; flying, alarming	NM
SN093	Breeding Raptor Survey; Ballynegrenia & Ballinderry bogs	31/07/2024	09:52	Snipe	2	bogs; flushed, alarming	NM
SN094	Breeding Raptor Survey; Ballynegrenia & Ballinderry bogs	31/07/2024	09:56	Snipe	1	bogs and scrub; flushed, alarming	NM
SN095	Breeding Raptor Survey; Ballynegrenia & Ballinderry bogs	31/07/2024	09:53	Snipe	2	bogs; flushed	NM
SN096	Breeding Raptor Survey; BR7	31/07/2024	12:02	Snipe	3	bogs and scrub; travelling, alarming, descending, descending into fringes	NM
SN097	Breeding Raptor Survey; BR7	31/07/2024	11:19	Snipe	2	bogs; flushed, alarming	NM
SN098	Breeding Raptor Survey; BR7	31/07/2024	10:19	Snipe	1	bogs; travelling, calling	NM
SN099	Breeding Raptor Survey; BR7	31/07/2024	12:04	Snipe	3	bogs; travelling, alarming, descending into fringe	NM
SN100	Breeding Raptor Survey; BR7	31/07/2024	13:11	Snipe	1	scrub and bogs; travelling, calling	NM
SN101	Breeding Raptor Survey; BR7	31/07/2024	10:37	Snipe	4	bogs and scrub; travelling, calling	NM
SN102	Breeding Raptor Survey; BR7 area	31/07/2024	13:26	Snipe	2	bogs; flushed, alarming	NM
SN103	Breeding Raptor Survey; BOVP1 (BRVP8)	31/07/2024	21:15	Snipe	2	improved agricultural grassland; travelling, calling	NM
SN104	Breeding Raptor Survey; BOVP1 (BRVP8)	31/07/2024	22:12	Snipe	1	improved agricultural grassland and linear woodland/scrub; flying, calling, dusk	NM
SN105	Vantage Point Survey; VP01	20/10/2022	19:38	Snipe	1	improved agricultural grassland; dusk flight	MW





- Map Legend
- Eiar Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - ▲ VP Locations
  - Flight Observation
  - ◆ Non-flight Observation



Drawing Title	
Snipe Vantage Point Survey Observations	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-37
Scale	Date
1:25,000	13.06.2025
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> </div> <div> <p><b>MKO</b> Planning and Environmental Consultants</p> <p>Tuam Road, Galway Ireland, H91 VV84 +353 (0) 91 236111 email: info@mkofireland.ie Website: www.mkofireland.ie</p> </div> </div>	

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



Drawing Title	
Snipe Winter Walkover Survey Observations	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-38
Scale	Date
1:25,000	13.06.2025

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



Drawing Title	
Shipe Breeding Walkover Survey Observations	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-39
Scale	Date
1:30,000	13.06.2025
<div style="display: flex; align-items: center;"> <div> <p><b>MKO</b> Planning and Environmental Consultants</p> <p>Tuam Road, Galway Ireland, H91 VV84 +353 (0) 91 236111 email: info@mkofireland.ie Website: www.mkofireland.ie</p> </div> </div>	

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- Map Legend
- EIA Site Boundary
  - Proposed Turbine Layout
  - 5km Survey Radius
  - Observation



Drawing Title  
**Snipe Waterbird Distribution Survey Observations**

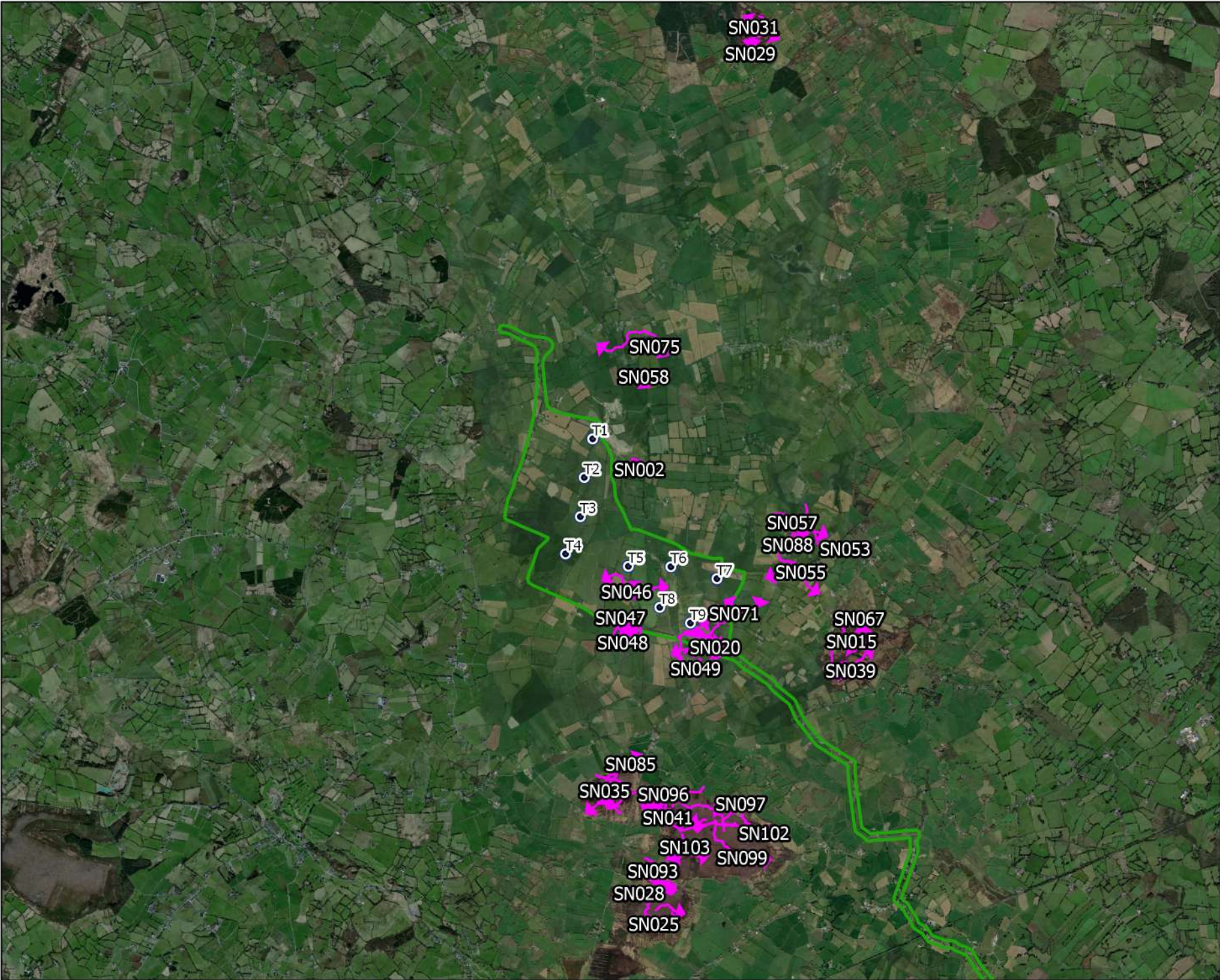
Project Title  
**Umma More Renewable Energy Development**

Drawn By <b>KS</b>	Checked By <b>PC</b>
Project No. <b>201050</b>	Drawing No. <b>Fig. 7-4a-40</b>
Scale <b>1:80,000</b>	Date <b>13.06.2025</b>

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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - Flight Observation



Drawing Title	
Snipe Incidental Records	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-41
Scale	Date
1:70,000	13.06.2025
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12.

## KESTREL

Table 7 - 4a - 42 Kestrel Vantage Point Survey

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	VP3	21/10/2022	15:49	Kestrel	1	48	15	25	8	0	improved agricultural grassland; hunting	MW
K.002	VP3	22/11/2022	08:06	Kestrel	1	10	2	6	2	0	improved agricultural grassland; flight, landing	MW
K.003	VP1	25/11/2022	08:17	Kestrel	1	10	0	10	0	0	improved agricultural grassland; flight	MW
K.004	VP1	25/11/2022	08:48	Kestrel	2	105	20	60	25	0	improved agricultural grassland; gliding, undulating flight, male female pair, possibly display flights	MW
K.005	VP1	25/11/2022	09:00	Kestrel	1	10	10	0	0	0	improved agricultural grassland; flight	MW
K.006	VP1	25/11/2022	10:42	Kestrel	1	5	0	0	5	0	improved agricultural grassland; soaring, lost sight of	MW
K.007	VP1	25/11/2022	13:21	Kestrel	1	20	0	0	20	0	improved agricultural grassland; straight commute flight, male	MW
K.008	VP3	10/02/2023	07:42	Kestrel	1	35	0	35	0	0	amenity grassland (improved), hedgerows and riparian woodland; soaring/hover, 20m	MS
K.009	VP3	10/02/2023	11:15	Kestrel	1	45	0	45	0	0	hedgerows, amenity grassland (improved) and riparian woodland; soaring flight, 20m	MS
K.010	VP3	24/02/2023	12:52	Kestrel	1	90	90	0	0	0	improved agricultural grassland, hedgerows and mixed broadleaved woodland; perch/flight, 15m	MS
K.011	VP3	24/02/2023	16:35	Kestrel	1	260	260	0	0	0	improved agricultural grassland and hedgerows; perch/flight, 15m	MS
K.012	VP1	27/02/2023	15:15	Kestrel	1	5	5	0	0	0	improved agricultural grassland and treelines; perch/drop, 10m	MS
K.013	VP1	27/02/2023	18:10	Kestrel	1	65	40	25	0	0	improved agricultural grassland and treelines; soar/perch, 15-25m	MS
K.014	VP3	18/03/2023	14:53	Kestrel	1	15	15	0	0	0	amenity grassland (improved) and treelines; flight/perch, 15m	MS



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.015	VP3	18/03/2023	18:08	Kestrel	1	25	25	0	0	0	amenity grassland (improved); hovering, 10m	MS
K.016	VP1	28/03/2023	18:25	Kestrel	1	135	135	0	0	0	treelines and improved agricultural grassland; hover/ move/ hover/ perch, 5-15m	MS
K.017	VP3	04/04/2023	11:22	Kestrel	1	75	60	15	0	0	amenity grassland (improved) and treelines; hover/ move	MS
K.018	VP1	16/04/2023	07:00	Kestrel	1	10	10	0	0	0	improved agricultural grassland and hedgerows; flight	MS
K.019	VP1	10/07/2023	13:08	Kestrel	1	25	0	25	0	0	treelines and improved agricultural grassland; hover/dive, 20m	MS
K.020	VP1	10/07/2023	14:20	Kestrel	1	105	0	105	0	0	mixed broadleaved/conifer woodland; hover/move/hover, 20m	MS
K.021	VP3	19/07/2023	11:10	Kestrel	1	25	0	25	0	0	mixed conifer woodland; hover/hunt, 30m	MS
K.022	VP1	02/08/2023	15:10	Kestrel	1	18	0	0	18	0	improved agricultural grassland; travelling	FLM
K.023	VP3	03/08/2023	10:50	Kestrel	2	180	0	0	180	0	improved agricultural grassland; circling	FLM
K.024	VP3	19/09/2023	07:05	Kestrel	1	88	0	88	0	0	improved agricultural grassland; travelling	FLM
K.025	VP1	06/10/2023	16:29	Kestrel	1	135	0	0	135	0	improved agricultural grassland and linear woodland/scrub; flying across farmland, stopping occasionally to hover but	NM
K.026	VP3	15/12/2023	15:39	Kestrel	1	680	0	0	680	0	improved agricultural grassland and disturbed ground; hunting and hovering over farmland and fringes of quarry, high in breeze	NM
K.027	VP1	18/01/2024	08:35	Kestrel	1	380	50	330	0	0	improved agricultural grassland and linear woodland/scrub; travelling low	NM
K.028	VP1	09/04/2024	17:15	Kestrel	1	65	0	65	0	0	treelines and improved agricultural grassland; hovering, flying	MS
K.029	VP1	09/04/2024	17:45	Kestrel	1	45	20	25	0	0	treelines and improved agricultural grassland; flying	MS

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.030	VP3	12/04/2024	17:25	Kestrel	1	184	0	110	74	0	conifer plantation and mixed broadleaved/conifer woodland; hovering, flying, male	MS
K.031	VP3	20/05/2024	06:18	Kestrel	1	110	0	90	20	0	improved agricultural grassland and linear woodland/scrub; travelling	NM
K.032	VP3	20/05/2024	08:57	Kestrel	1	740	0	150	590	0	improved agricultural grassland, built land and disturbed ground; hunting, hovering	NM
K.033	VP1	24/05/2024	08:01	Kestrel	1	137	0	37	100	0	improved agricultural grassland; hunting	FLM
K.034	VP1	18/06/2024	12:55	Kestrel	1	655	69	147	439	0	improved agricultural grassland; hunting, male	EOB
K.035	VP1	18/06/2024	13:05	Kestrel	1	126	0	0	126	0	improved agricultural grassland; hunting, female	EOB
K.036	VP1	18/06/2024	13:36	Kestrel	1	151	0	0	151	0	improved agricultural grassland; hunting	EOB
K.037	VP1	18/06/2024	15:15	Kestrel	2	211	0	23	188	0	improved agricultural grassland; hunting, male and female	EOB
K.038	VP1	18/06/2024	15:31	Kestrel	1	617	26	54	537	0	improved agricultural grassland; hunting, male	EOB
K.039	VP1	12/07/2024	17:35	Kestrel	1	430	40	200	190	0	improved agricultural grassland and linear woodland/scrub; hunting, hovering, perching	NM
K.040	VP1	12/07/2024	17:42	Kestrel	1	-	-	-	-	-	linear woodland/scrub and improved agricultural grassland; perched, present for ~50mins	NM
K.041	VP1	12/07/2024	18:35	Kestrel	1	35	20	15	0	0	linear woodland/scrub and improved agricultural grassland; departing, travelling, same individual	NM
K.042	VP1	12/08/2024	18:24	Kestrel	1	280	30	100	150	0	improved agricultural grassland and linear woodland/scrub; hunting, flying	NM
K.043	VP1	12/08/2024	18:48	Kestrel	1	50	20	30	0	0	improved agricultural grassland and linear woodland/scrub; travelling	NM
K.044	VP3	20/08/2024	10:28	Kestrel	1	330	20	140	170	0	improved agricultural grassland and linear woodland/scrub; hunting, hovering, travelling, dropping abruptly into farmland within north of site	NM



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	VP3	20/08/2024	10:49	Kestrel	1	490	20	180	290	0	improved agricultural grassland and linear woodland/scrub; hunting, hovering, travelling	NM
K.046	VP3	20/08/2024	13:43	Kestrel	1	250	15	130	105	0	improved agricultural grassland, disturbed ground and scrub; hunting, hovering, male. disappearing into scrub adjacent to quarry	NM
K.047	VP3	12/09/2024	07:19	Kestrel	1	840	50	320	440	30	improved agricultural grassland, scrub and disturbed ground; hunting, hovering, travelling, disappearing into farmland on north boundary	NM
K.048	VP3	18/11/2024	15:14	Kestrel	1	60	0	30	30	0	improved agricultural grassland; travelling	DM
K.049	VP1	20/11/2024	12:37	Kestrel	2	90	0	30	60	0	improved agricultural grassland; travelling, m+f, landed in tree	DM
K.050	VP1	20/11/2024	12:50	Kestrel	1	30	15	15	0	0	improved agricultural grassland; travelling, m flew behind hedge	DM
K.051	VP1	20/11/2024	14:26	Kestrel	1	90	60	30	0	0	improved agricultural grassland; travelling	DM
K.052	VP1	11/02/2025	12:56	Kestrel	1	47	7	40	0	0	improved agricultural grassland; hunting, travelling	CC
K.053	VP1	11/02/2025	13:29	Kestrel	1	127	20	70	37	0	improved agricultural grassland; hunting	CC
K.054	VP3	12/02/2025	16:35	Kestrel	1	178	40	100	38	0	conifer plantation and improved agricultural grassland; hunting	CC
K.055	vp3	20/03/2025	10:42	Kestrel	1	120	60	60	0	0	improved agricultural grassland and mixed broadleaved/conifer woodland; hunting, flew behind trees	DM
K.056	vp1	25/03/2025	09:44	Kestrel	1	300	0	0	300	0	improved agricultural grassland; hunting	DM
K.057	vp1	25/03/2025	11:29	Kestrel	1	240	0	0	240	0	improved agricultural grassland; hunting	DM

Table 7 – 4a - 43 Kestrel Winter Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
K.001	16/03/2023	09:32	-	Kestrel	1	hedgerows, riparian woodland and amenity grassland (improved); perch/fly/perch, 10m (wintering)	MS
K.002	16/03/2023	13:20	-	Kestrel	1	treelines and amenity grassland (improved); perch/flight (wintering)	MS
K.003	17/10/2023	14:33	-	Kestrel	1	improved agricultural grassland; flying across farmland, occasionally stopping to hover briefly (wintering)	NM
K.004	17/01/2024	13:43	-	Kestrel	1	improved agricultural grassland; flying, hunting (wintering)	NM
K.005	15/02/2024	13:00	-	Kestrel	1	improved agricultural grassland and linear woodland/scrub; travelling (wintering)	NM
K.006	29/11/2024	09:01	T1	Kestrel	1	linear woodland/scrub, improved agricultural grassland and scrub; perched, departing, female (wintering)	NM
K.007	29/11/2024	12:21	T2	Kestrel	1	improved agricultural grassland and linear woodland/scrub; hunting, hovering, departing (wintering)	NM
K.008	13/03/2025	10:56	T1	Kestrel	2	improved agricultural grassland; travelling, male and female, flying together (courtship and display; probable breeding)	CC
K.009	13/03/2025	11:22	T1	Kestrel	1	improved agricultural grassland; mobbed, mobbed by corvids (wintering)	CC
K.010	13/03/2025	12:17	T3	Kestrel	1	improved agricultural grassland; hunting (wintering)	CC

Table 7 – 4a - 44 Kestrel Breeding Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
K.001	14/06/2023	13:11	-	Kestrel	2	treelines and improved agricultural grassland; agitated (agitated behaviour; probable breeding)	MS
K.002	11/07/2023	08:35	-	Kestrel	1	treelines, hedgerows and immature woodland; hover hunting (suitable nesting habitat; possible breeder)	MS
K.003	30/05/2024	10:37	-	Kestrel	1	improved agricultural grassland; hunting, hovering (suitable nesting habitat; possible breeder)	NM
K.004	30/05/2024	12:22	-	Kestrel	1	improved agricultural grassland, disturbed ground and scrub; hunting, hovering (suitable nesting habitat; possible breeder)	NM
K.005	30/05/2024	11:38	-	Kestrel	1	improved agricultural grassland and linear woodland/scrub; hunting, travelling, perching briefly before continuing (suitable nesting habitat; possible breeder)	NM



Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
K.006	24/07/2024	09:27	-	Kestrel	1	improved agricultural grassland and linear woodland/scrub; hunting, hovering, travelling, across east of site (suitable nesting habitat; possible breeder)	NM
K.007	24/07/2024	17:16	-	Kestrel	1	improved agricultural grassland and semi-natural grassland; hunting, hovering, very low a times. vp3 area (suitable nesting habitat; possible breeder)	NM

Table 7 - 4a - 45 Kestrel Breeding Raptor Survey

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.001	BR5	23/05/2023	10:25	Kestrel	1	exposed sand, gravel or till, improved agricultural grassland and hedgerows, hunting	suitable nesting habitat; possible breeder	FLM
K.002	BR6	23/05/2023	11:35	Kestrel	1	improved agricultural grassland and hedgerows, travelling	suitable nesting habitat; possible breeder	FLM
K.003	BR2	25/05/2023	08:00	Kestrel	1	raised bog and improved agricultural grassland, hunting, male hunting	suitable nesting habitat; possible breeder	FLM
K.004	VP3	07/04/2023	10:05	Kestrel	1	amenity grassland (improved) and hedgerows, hovering/ moving, 10m	suitable nesting habitat; possible breeder	MS
K.005	BR1	07/04/2023	13:55	Kestrel	1	cutover bog, hover/ move/ hover, 10-15m	suitable nesting habitat; possible breeder	MS
K.006	BR7	07/04/2023	14:25	Kestrel	1	cutover bog, hover/ move/ hover, 10-15m	suitable nesting habitat; possible breeder	MS
K.007	BR01	06/06/2023	08:17	Kestrel	1	improved agricultural grassland, treelines and cutover bog, soaring/hovering, 15-25m	suitable nesting habitat; possible breeder	MS
K.008	BR01	06/06/2023	09:14	Kestrel	1	treelines and cutover bog, soaring/hovering, 2-25m	suitable nesting habitat; possible breeder	MS
K.009	BR01	06/06/2023	09:50	Kestrel	1	treelines and cutover bog, soaring/hovering, 40-50m	suitable nesting habitat; possible breeder	MS
K.010	BR01	06/06/2023	10:12	Kestrel	2	treelines and improved agricultural grassland, pair soaring, 40-60m	pair; probable breeding	MS
K.011	BR04	07/06/2023	11:00	Kestrel	1	improved agricultural grassland, hedgerows and scattered tress and parkland, soaring/searching/active hunting, 0-75m	adult carrying food/faecal sac; confirmed breeding	MS
K.012	BR04	07/06/2023	11:45	Kestrel	1	improved agricultural grassland, hedgerows and scattered tress and parkland, hover hunting, 25-75m	suitable nesting habitat; possible breeder	MS

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.013	BR04	07/06/2023	13:15	Kestrel	1	improved agricultural grassland, hedgerows and scattered tress and parkland, same bird hunting, 0-25m	suitable nesting habitat; possible breeder	MS
K.014	BR04	07/06/2023	13:40	Kestrel	1	improved agricultural grassland, hedgerows and scattered tress and parkland, hover hunting, 20-40m	suitable nesting habitat; possible breeder	MS
K.015	BR2	11/04/2024	11:53	Kestrel	1	bogs and scrub, travelling low, perched, female	suitable nesting habitat; possible breeder	NM
K.016	BR2	11/04/2024	12:05	Kestrel	1	bogs and scrub, departing, travelling	suitable nesting habitat; possible breeder	NM
K.017	BR2	11/04/2024	12:43	Kestrel	1	improved agricultural grassland and scrub, soaring, hovering, descending behind woodland	suitable nesting habitat; possible breeder	NM
K.018	BR2	11/04/2024	12:48	Kestrel	1	bogs, scrub and semi-natural grassland, hunting, dropping, dropping into bog fringes	suitable nesting habitat; possible breeder	NM
K.019	BR3	11/04/2024	16:48	Kestrel	1	improved agricultural grassland and treelines, hunting, hovering, perched	suitable nesting habitat; possible breeder	NM
K.020	BR3	11/04/2024	17:00	Kestrel	1	improved agricultural grassland and treelines, travelling, perched	suitable nesting habitat; possible breeder	NM
K.021	BOVP1 (BRVP8)	12/04/2024	08:27	Kestrel	1	improved agricultural grassland and semi-natural grassland, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.022	BR7	12/04/2024	10:31	Kestrel	1	raised bog and scrub, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.023	BR7	12/04/2024	10:44	Kestrel	1	improved agricultural grassland and scrub, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.024	HHVP1	10/04/2024	18:06	Kestrel	1	bogs and scrub/transitional woodland, hunting, hovering, abbeyshrule bog (southeast)	suitable nesting habitat; possible breeder	NM
K.025	Transect 2	30/04/2024	10:43	Kestrel	1	improved agricultural grassland, scrub and semi-natural grassland, perched, hunting, travelling, t2, female	suitable nesting habitat; possible breeder	NM
K.026	Transect 2	30/04/2024	11:08	Kestrel	1	improved agricultural grassland, scrub and disturbed ground, hunting, hovering, t2 - dungolman	suitable nesting habitat; possible breeder	NM
K.027	BOVP3	30/04/2024	21:05	Kestrel	1	improved agricultural grassland, hunting, hovering, travelling, bovp3	suitable nesting habitat; possible breeder	NM
K.028	BOVP3	30/04/2024	22:24	Kestrel	1	improved agricultural grassland, hunting, travelling, roosting, bovp3. roosting within bovp building, possible nest site in coming weeks	suitable nesting habitat; possible breeder	NM



Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.029	BR1	17/05/2024	08:48	Kestrel	1	bogs and scrub, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.030	BR4	17/05/2024	14:41	Kestrel	1	improved agricultural grassland, travelling, hovering	flyover; non-breeding	NM
K.031	BR4	17/05/2024	15:04	Kestrel	1	improved agricultural grassland, hunting, travelling, perched, over farmland for a period before perching at old building (bovp3). same individual	suitable nesting habitat; possible breeder	NM
K.032	BR4	17/05/2024	13:25	Kestrel	1	improved agricultural grassland, semi-natural grassland and linear woodland/scrub, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.033	BR4	17/05/2024	15:32	Kestrel	1	improved agricultural grassland and linear woodland/scrub, departing, travelling, departing from building. same individual	suitable nesting habitat; possible breeder	NM
K.034	BR4	17/05/2024	16:02	Kestrel	1	improved agricultural grassland, travelling, perched, perching once again in building, was not picked up again. same individual	suitable nesting habitat; possible breeder	NM
K.035	Clonickilroe	17/05/2024	17:16	Kestrel	1	improved agricultural grassland and semi-natural grassland, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.036	Clare	17/05/2024	17:45	Kestrel	1	improved agricultural grassland and linear woodland/scrub, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.037	HHVP1	24/05/2024	07:04	Kestrel	1	bogs and scrub, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.038	HHVP1	24/05/2024	08:47	Kestrel	1	bogs and scrub/transitional woodland, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.039	BR2	24/05/2024	13:24	Kestrel	1	bogs and scrub, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.040	BR2	24/05/2024	13:58	Kestrel	1	bogs and scrub/transitional woodland, hunting, hovering, likely the same individual as was seen 20 mins previous	suitable nesting habitat; possible breeder	NM
K.041	BR2	24/05/2024	16:27	Kestrel	2	bogs, flying, courting, perched, chasing each other low, rapidly and frantically, perching together in birch on bog fringe	courtship and display; probable breeding	NM
K.042	BR7	24/05/2024	17:49	Kestrel	1	bogs and scrub, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.043	BR3	29/05/2024	16:33	Kestrel	1	improved agricultural grassland and linear woodland/scrub, travelling, male	suitable nesting habitat; possible breeder	NM

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.044	BR4	07/06/2024	12:49	Kestrel	1	improved agricultural grassland and linear woodland/scrub, travelling low, perched	suitable nesting habitat; possible breeder	NM
K.045	BR4	07/06/2024	15:29	Kestrel	1	improved agricultural grassland, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.046	BR4	07/06/2024	13:17	Kestrel	1	improved agricultural grassland and hedgerows, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.047	BR4	07/06/2024	13:44	Kestrel	1	improved agricultural grassland and linear woodland/scrub, hunting, hovering, likely the same individual as ~20mins previous	suitable nesting habitat; possible breeder	NM
K.048	Carricknagower	11/06/2024	19:44	Kestrel	1	improved agricultural grassland, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.049	BR2	21/06/2024	10:08	Kestrel	2	bogs and scrub, chasing, courting, chasing and swirling over bog, disappearing into fringes	courtship and display; probable breeding	NM
K.050	BR2	21/06/2024	11:54	Kestrel	1	bogs, semi-natural grassland and scrub, hunting, hovering, male	suitable nesting habitat; possible breeder	NM
K.051	BR7	21/06/2024	13:50	Kestrel	1	improved agricultural grassland and semi-natural grassland, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.052	BR7	21/06/2024	14:06	Kestrel	1	bogs and scrub, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.053	BR7	21/06/2024	16:31	Kestrel	1	bogs, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.054	BR7	21/06/2024	15:43	Kestrel	1	bogs and semi-natural grassland, hunting, hovering, dropping abruptly within fringes	suitable nesting habitat; possible breeder	NM
K.055	BR7	21/06/2024	16:05	Kestrel	1	bogs and scrub/transitional woodland, hunting, hovering, travelling, likely the same individual as was seen ~15mins previous	suitable nesting habitat; possible breeder	NM
K.056	HHVP1 (Abbeyshrute bog)	20/06/2024	07:47	Kestrel	1	bogs and scrub, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.057	HHVP1 (Abbeyshrute bog)	20/06/2024	09:47	Kestrel	1	bogs, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.058	Abbeyshrute bog	11/07/2024	18:23	Kestrel	1	bogs and scrub, hunting, hovering	suitable nesting habitat; possible breeder	NM



Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.059	HHVP1 (Abbeyshrule bog)	11/07/2024	20:31	Kestrel	1	bogs, scrub and semi-natural grassland, hunting hovering, dropping abruptly to the ground numerous times but always rising and continuing	suitable nesting habitat; possible breeder	NM
K.060	BR1	25/07/2024	13:51	Kestrel	1	bogs and scrub, hunting, hovering, dropping abruptly - vanishing for 20mins	suitable nesting habitat; possible breeder	NM
K.061	BR1	25/07/2024	14:12	Kestrel	1	bogs, departing, hunting, travelling, re-emerging from where it disappeared from 20mins previous. moving west and onto farmland	suitable nesting habitat; possible breeder	NM
K.062	BR7	31/07/2024	10:58	Kestrel	1	bogs and scrub, hunting, hovering, dropping abruptly into fringe	suitable nesting habitat; possible breeder	NM
K.063	VP3 area	31/07/2024	14:53	Kestrel	1	improved agricultural grassland, scrub and disturbed ground, flushed, travelling, disturbed from perch	suitable nesting habitat; possible breeder	NM
K.064	BOVP1 (BRVP8)	31/07/2024	20:54	Kestrel	1	improved agricultural grassland, linear woodland/scrub and semi-natural grassland, hunting, hovering	suitable nesting habitat; possible breeder	NM
K.065	BOVP1 (BRVP8)	31/07/2024	20:02	Kestrel	1	linear woodland/scrub and improved agricultural grassland, perched, travelling, perched within farmland, departing northeast	suitable nesting habitat; possible breeder	NM

Table 7 – 4a - 46 Kestrel Incidental Records

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.001	Waterbird Distribution Survey; Dunolm	07/12/2022	13:09	Kestrel	1	improved agricultural grassland; flight	MW
K.002	Waterbird Distribution Survey; over bog	18/02/2023	13:40	Kestrel	1	upland blanket bog; flight across bog	MS
K.003	Waterbird Distribution Survey; b4	28/02/2023	08:50	Kestrel	1	upland blanket bog; flight	MS
	Waterbird Distribution Survey; D3	13/02/2023	11:50	Kestrel	1	improved agricultural grassland; flying then perched on side of road.	FLM
	Waterbird Distribution Survey; g1 ballinlig lower	24/02/2023	15:00	Kestrel	1	raised bog; landing then flying off	FLM
K.006	Waterbird Distribution Survey; D6	27/03/2023	12:15	Kestrel		upland blanket bog; hover/search flights	MS
K.007	Waterbird Distribution Survey; B1	27/03/2023	12:42	Kestrel	1	upland blanket bog; hover/search flights	MS

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.008	Waterbird Distribution Survey; D7/ Moyvoughly	18/05/2023	14:45	Kestrel	1	raised bog; flying over	FLM
K.009	Waterbird Distribution Survey; lough sewdy	23/08/2023	13:50	Kestrel	1	marsh and improved agricultural grassland; hunting	FLM
K.010	Waterbird Distribution Survey; Lough Sewdy	05/09/2023	09:30	Kestrel	1	improved agricultural grassland; hovering/ hunting	FLM
K.011	Waterbird Distribution Survey; Ballinlig Lower	26/09/2023	13:15	Kestrel	1	raised bog; wind-hovering	FLM
K.012	Waterbird Distribution Survey; B4	06/04/2023	14:10	Kestrel	1	upland blanket bog; hover/ hunt/ hover, male	MS
K.013	Waterbird Distribution Survey; Ballinlig	31/10/2023	13:51	Kestrel	1	cutover bog and semi-natural grassland; hunting and hovering within bog fringes	NM
K.014	Waterbird Distribution Survey; Ballinlig	31/10/2023	14:43	Kestrel	1	bogs, scrub and semi-natural grassland; hunting and hovering, moving w	NM
K.015	Waterbird Distribution Survey; Ballynagrenia & Ballinderry Bog	10/10/2023	10:36	Kestrel	1	bogs; hunting and hovering across bog	NM
K.016	Waterbird Distribution Survey; 500m buffer	09/11/2023	10:46	Kestrel	1	improved agricultural grassland and disturbed ground; hunting and hovering over farmland and old quarry fringes	NM
K.017	Waterbird Distribution Survey; Ballinlig	09/11/2023	13:01	Kestrel	1	bogs, scrub and semi-natural grassland; hunting and hovering over bog	NM
K.018	Waterbird Distribution Survey; Ballynagrenia & Ballinderry Bog	09/11/2023	14:46	Kestrel	1	bogs, semi-natural grassland and scrub; hunting and hovering over bog and fringes	NM
K.019	Waterbird Distribution Survey; Ballynagrenia & Ballinderry Bog	29/11/2023	09:46	Kestrel	1	bogs and scrub; hunting and hovering across bog and fringes	NM
K.020	Waterbird Distribution Survey; Umma Beg	29/11/2023	16:04	Kestrel	1	improved agricultural grassland; commuting across farmland	NM
K.021	Waterbird Distribution Survey; Ballinlig	30/01/2024	12:56	Kestrel	1	bogs, semi-natural grassland and scrub; hunting, hovering	NM
K.022	Waterbird Distribution Survey; Ballinlig	30/01/2024	13:15	Kestrel	1	scrub and bogs; perched, flushed, departing	NM
K.023	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	30/01/2024	16:19	Kestrel	1	bogs, semi-natural grassland and scrub; hunting, hovering, male	NM
K.024	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	07/02/2024	16:05	Kestrel	1	bogs, scrub and semi-natural grassland; hunting, hovering	NM
K.025	Waterbird Distribution Survey; Ballinlig	27/03/2024	10:42	Kestrel	1	bogs, scrub and semi-natural grassland; hunting, hovering	NM

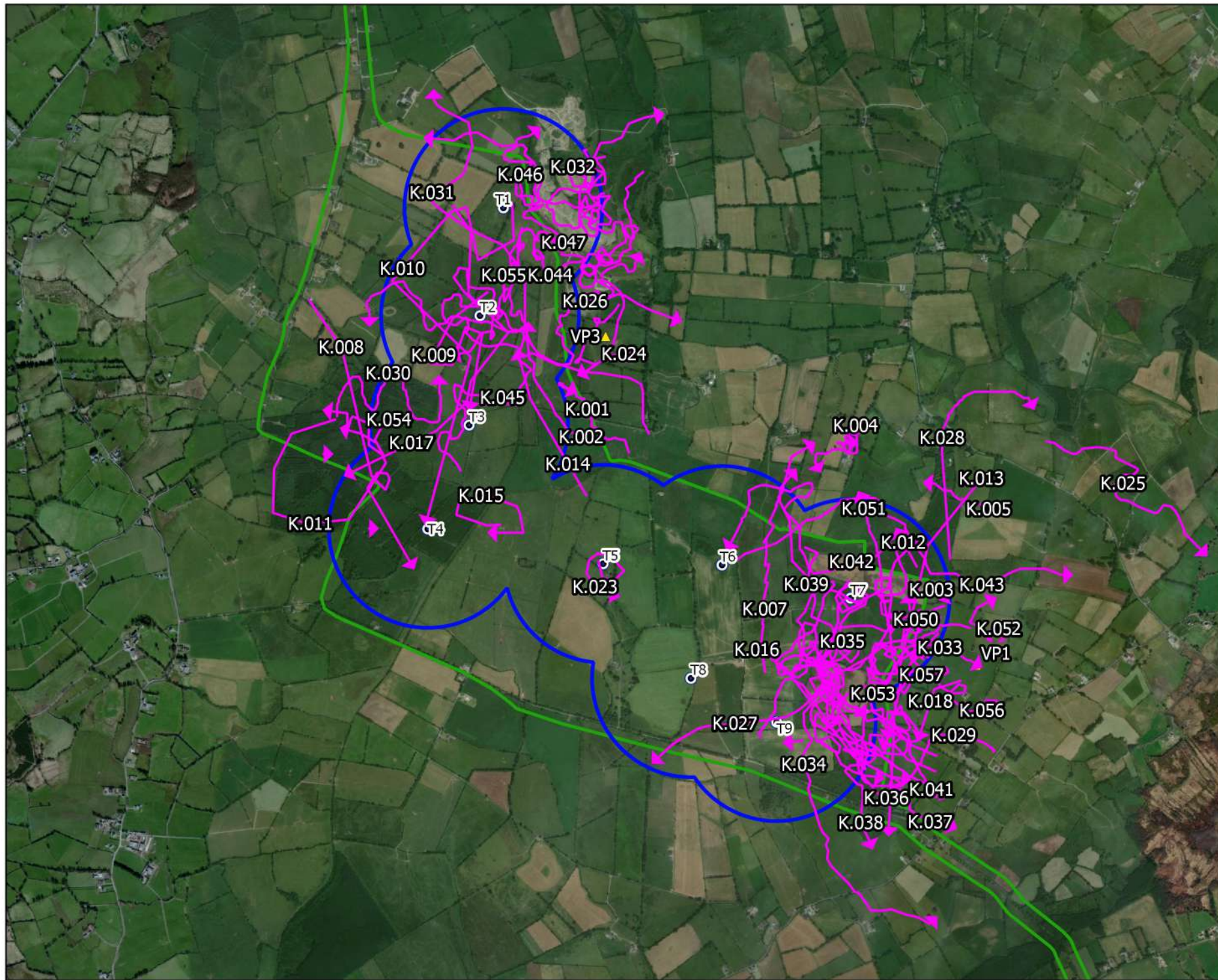


Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.026	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	27/03/2024	12:43	Kestrel	1	bogs and scrub; hunting, hovering	NM
K.027	Waterbird Distribution Survey; Knockastia	08/04/2024	13:00	Kestrel	1	cutover bog; hunting	FLM
K.028	Waterbird Distribution and Abundance Survey; G1	04/04/2024	10:35	Kestrel	1	scrub, wet willow-alder-ash woodland and scattered tress and parkland; flying	MS
K.029	Waterbird Distribution and Abundance Survey; G1	18/04/2024	10:53	Kestrel	1	cutover bog, scrub and wet willow-alder-ash woodland; flying, 10m	MS
K.030	Waterbird Distribution Survey; Ballinlig bog	28/05/2024	14:58	Kestrel	1	bogs and scrub; hunting, hovering	NM
K.031	Waterbird Distribution Survey; Ballinlig bog	28/05/2024	15:12	Kestrel	1	bogs and scrub; hunting, hovering, likely the same individual	NM
K.032	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	28/05/2024	16:48	Kestrel	1	bogs and scrub; hunting, hovering	NM
K.033	Waterbird Distribution Survey; Dungolman	03/05/2024	18:10	Kestrel	1	improved agricultural grassland, disturbed ground and scrub; hunting, hovering, travelling	NM
K.034	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	03/05/2024	20:35	Kestrel	1	improved agricultural grassland and scrub; hunting, hovering	NM
K.035	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	03/05/2024	19:32	Kestrel	1	bogs; travelling	NM
K.036	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	03/05/2024	19:47	Kestrel	1	bogs; hunting, hovering, dropping abruptly	NM
K.037	Waterbird Distribution Survey; Ballinlig	13/08/2024	10:24	Kestrel	1	bogs and scrub; hunting, hovering	NM
K.038	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	13/08/2024	14:26	Kestrel	1	bogs; hunting, hovering, dropping abruptly	NM
K.039	Waterbird Distribution Survey; Ballinacorra	29/08/2024	15:04	Kestrel	1	improved agricultural grassland and linear woodland/scrub; travelling	NM
K.040	Waterbird Distribution Survey; Moyvoughly bog	29/08/2024	16:10	Kestrel	1	bogs and scrub/transitional woodland; hunting, hovering, soaring, swooping, travelling, adult female. interacting with juvenile	NM
K.041	Waterbird Distribution Survey; Moyvoughly bog	29/08/2024	16:10	Kestrel	1	bogs, scrub and highly modified/non-native woodland; hovering, soaring, perched, juvenile. shadowing adult, but also doing its own thing	NM
K.042	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	29/08/2024	17:19	Kestrel	1	improved agricultural grassland; travelling	NM
K.043	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	29/08/2024	16:52	Kestrel	1	bogs and scrub/transitional woodland; calling, not seen	NM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.044	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	29/08/2024	17:54	Kestrel	1	bogs; hunting, hovering, dropping abruptly	NM
K.045	Breeding Barn Owl Survey; BOVP3	17/05/2024	21:12	Kestrel	1	improved agricultural grassland and semi-natural grassland; hunting, hovering, descending, dropping sharply into grass, was not seen rising again	NM
K.046	Breeding Barn Owl Survey; BOVP3	17/05/2024	21:43	Kestrel	1	improved agricultural grassland; travelling, roosting, perching and roosting in abandoned building, possibly a nest but no concrete evidence	NM
K.047	Breeding Barn Owl Survey; BOVP3	07/06/2024	21:35	Kestrel	1	improved agricultural grassland and hedgerows; hunting, hovering, perched, perching for a time	NM
K.048	Breeding Barn Owl Survey; BOVP3	07/06/2024	22:06	Kestrel	1	improved agricultural grassland, semi-natural grassland and linear woodland/scrub; hunting, hovering, travelling, roosting, departing from initial perch, vanishing into building at dusk	NM
K.049	Breeding Barn Owl Survey; BOVP3	25/07/2024	21:48	Kestrel	1	improved agricultural grassland; hunting, hovering, travelling, hovering for a brief time near to br, travelling away southeast at dusk	NM
K.050	Breeding Barn Owl Survey; BOVP3	25/07/2024	20:52	Kestrel	1	improved agricultural grassland and semi-natural grassland; hunting, hovering, dropping frequently but always rising once again, disappearing in mullaghmechan area	NM
K.051	Vantage Point Survey; VP01	20/10/2022	13:25	Kestrel	1	improved agricultural grassland; flight giving nominal calls vocally, landed and perched on vp01 access gate before flying off, female	MW
K.052	Waterbird Distribution Survey; Ballymore Road north of Clonthead	27/10/2022	14:00	Kestrel	1	improved agricultural grassland; flight, note two records of single birds near each other	MW
K.053	Waterbird Distribution Survey; Ballymore Road north of Clonthead	27/10/2022	14:00	Kestrel	1	improved agricultural grassland; flight	MW
K.054	Vantage Point Survey; Behind VP3	21/10/2022	13:53	Kestrel	1	improved agricultural grassland and mixed conifer woodland; hunting, male	MW
K.055	Waterbird Distribution Survey; Raheen	04/09/2024	13:10	Kestrel	1	improved agricultural grassland; hunting	FLM
K.056	Waterbird Distribution Survey; Raheen	25/09/2024	12:37	Kestrel	1	improved agricultural grassland; flying	FLM
K.057	Waterbird Distribution Survey; Raheen	25/09/2024	12:46	Kestrel	1	improved agricultural grassland; perched, flush, same individual	FLM
K.058	Vantage Point Survey; VP3	02/10/2024	15:30	Kestrel	1	improved agricultural grassland; hunting	FOD



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.059	Waterbird Distribution Survey; B1	08/10/2024	10:28	Kestrel	1	bogs; hunting	FOD
K.060	Waterbird Distribution Survey; G1	04/12/2024	10:00	Kestrel	1	cutover bog and mixed broadleaved/conifer woodland; hunting	DM
K.061	Vantage Point Survey; VP3	16/01/2025	12:24	Kestrel	1	improved agricultural grassland and active quarries and mines; hunting, landed in sand-pit	DM
K.062	Vantage Point Survey; VP3	16/01/2025	12:32	Kestrel	1	improved agricultural grassland and active quarries and mines; travelling, flew behind hedge	DM
K.063	Waterbird Distribution Survey, G1	30/01/2025	10:00	Kestrel	1	cutover bog; roosting	DM
K.064	Waterbird Distribution Survey; D7	19/02/2025	10:30	Kestrel	1	hedgerows; travelling	SD



- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - ▲ VP Locations
  - Flight Observation
  - ◆ Non-flight Observation



Drawing Title  
**Kestrel Vantage Point Survey Observations**

Project Title  
**Umma More Renewable Energy Development**

Drawn By  
**KS**

Checked By  
**PC**

Project No.  
**201050**

Drawing No.  
**Fig. 7-4a-42**

Scale  
**1:25,000**

Date  
**13.06.2025**

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email: info@mkofireland.ie  
Website: www.mkofireland.ie





# Map Legend

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



Drawing Title  
**Kestrel Winter Walkover Survey Observations**

Project Title  
**Umma More Renewable Energy Development**

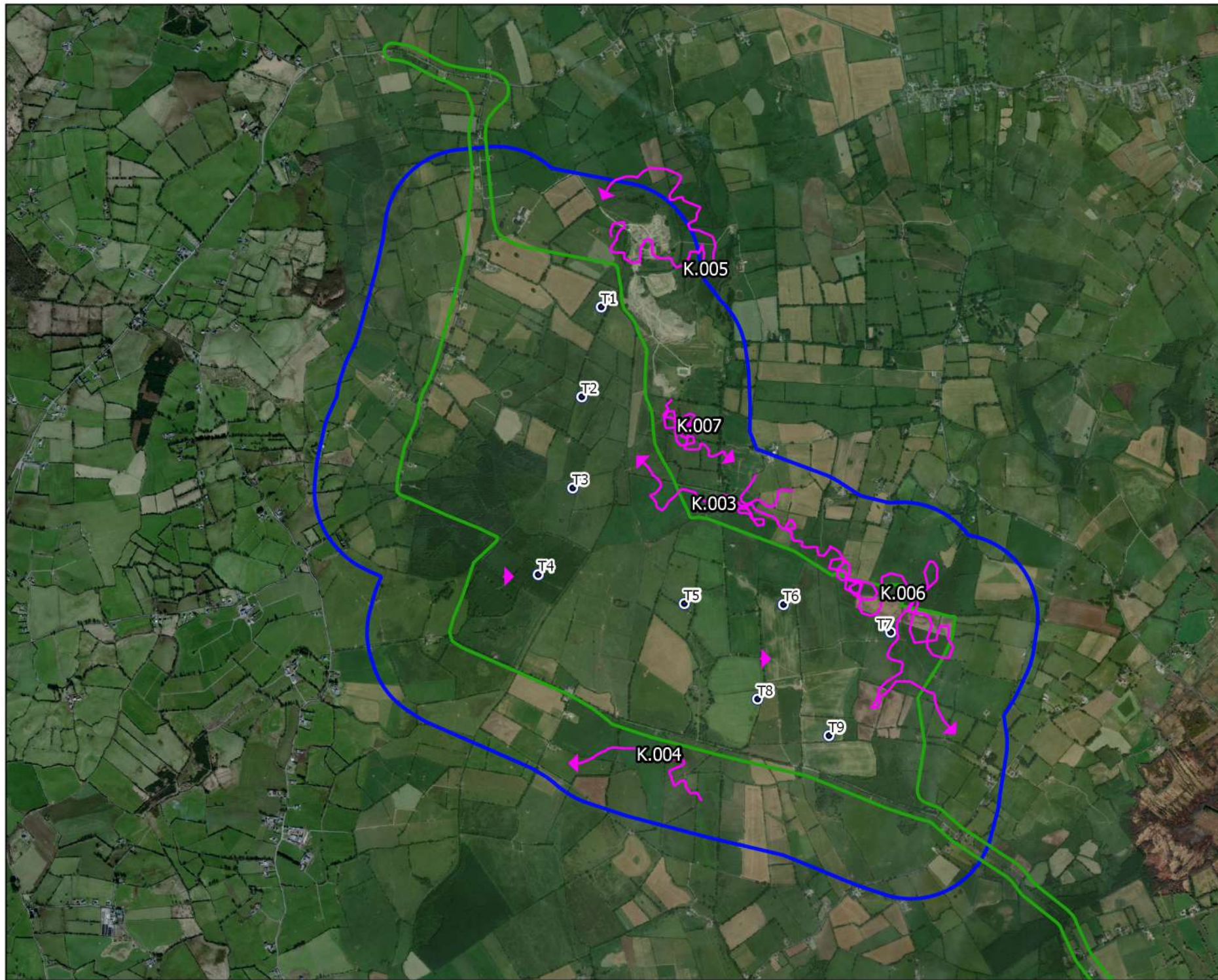
Drawn By <b>KS</b>	Checked By <b>PC</b>
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Project No. <b>201050</b>	Drawing No. <b>Fig. 7-4a-43</b>
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Scale <b>1:30,000</b>	Date <b>13.06.2025</b>
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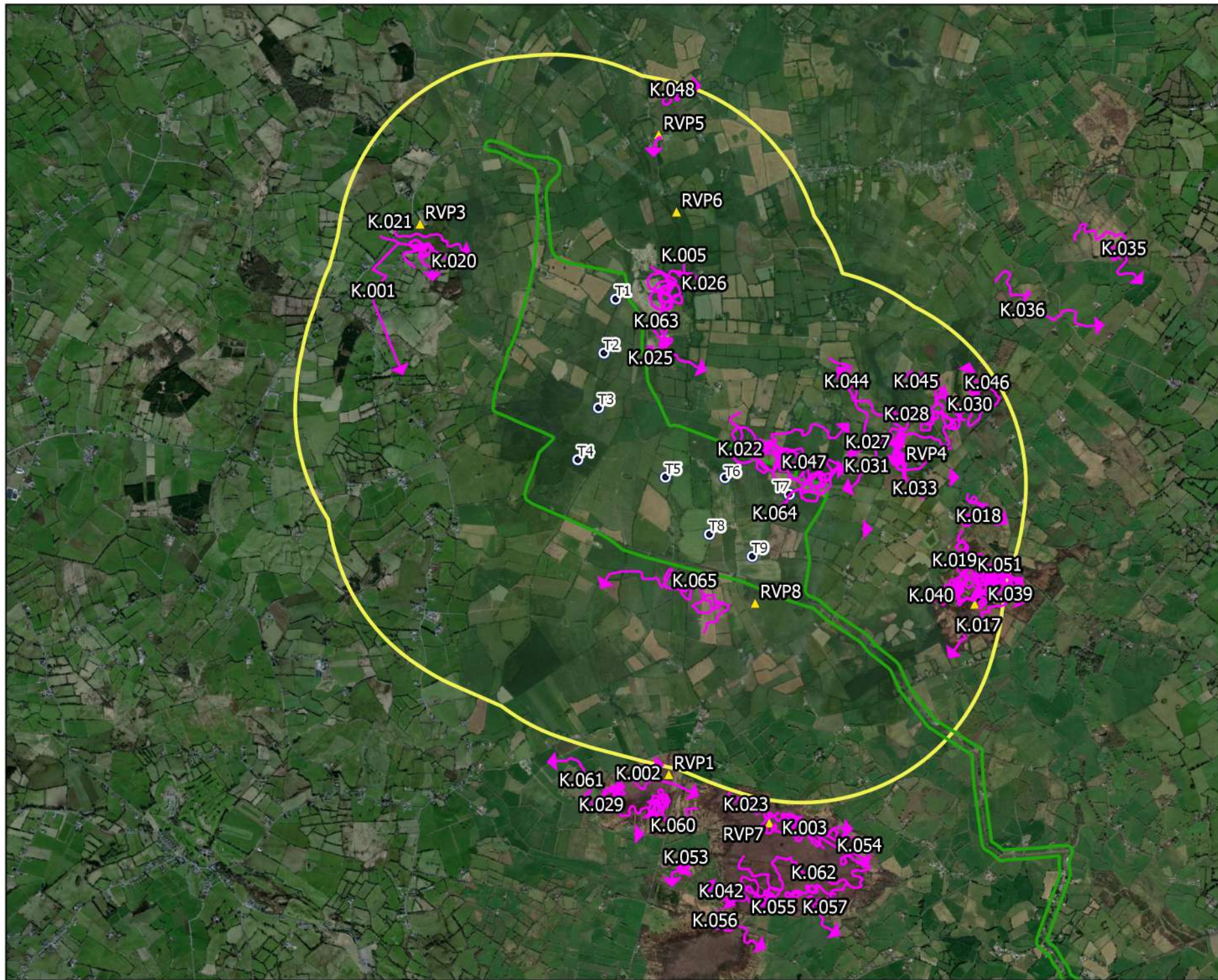
- Map Legend
- EIA Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - Flight Observation



Drawing Title	
Kestrel Breeding Walkover Survey Observations	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-44
Scale	Date
1:30,000	13.06.2025
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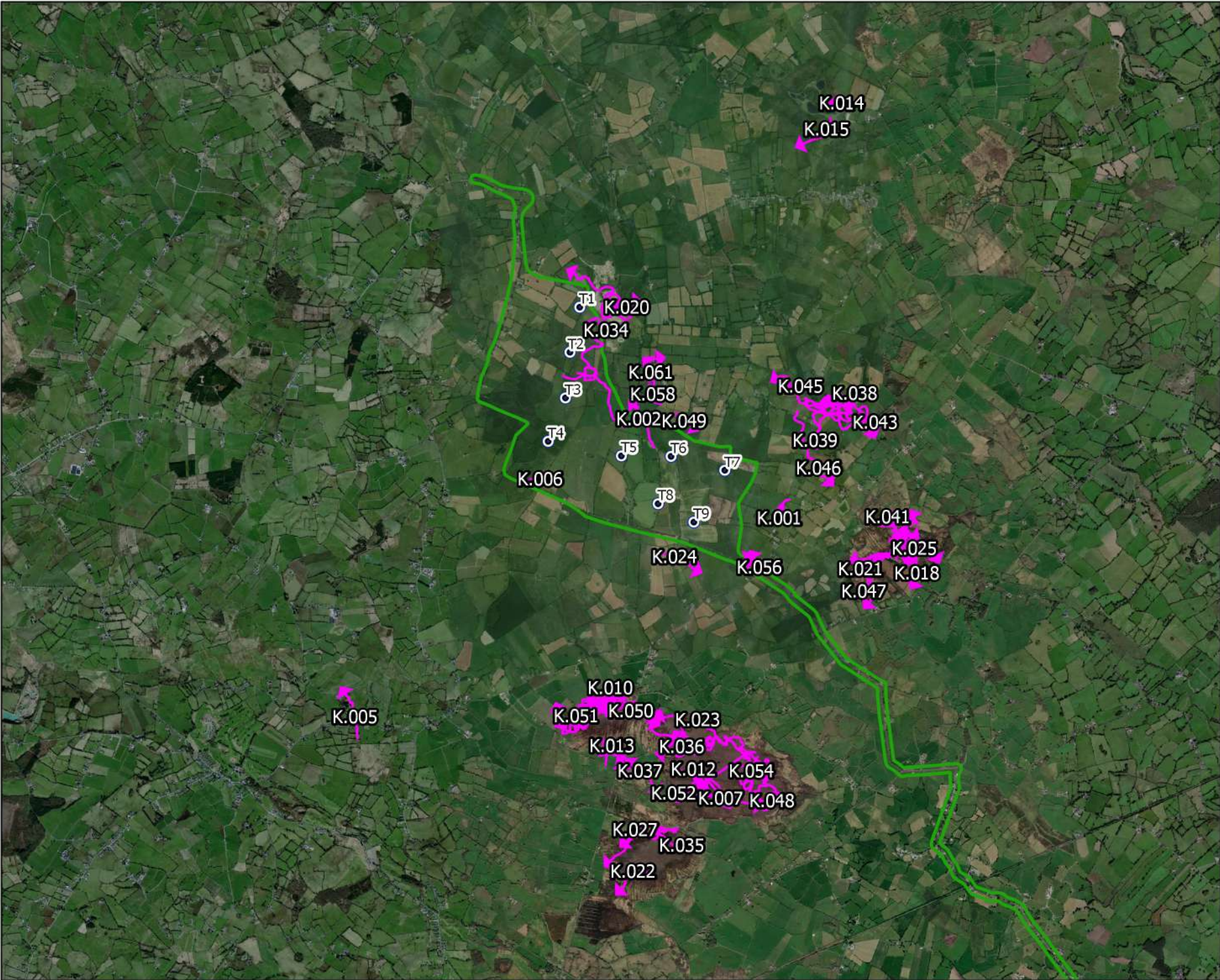
- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 2km Survey Radius
  - ▲ RVP Location
  - ➔ Flight Observation



Drawing Title	
Kestrel Breeding Raptor Survey Observations	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-45
Scale	Date
1:50,000	13.06.2025
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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - Flight Observation



Drawing Title	
Kestrel Incidental Records	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-46
Scale	Date
1:60,000	13.06.2025
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13.

# BUZZARD

Table 7 - 4a - 47 Buzzard Vantage Point Survey

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0 -15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ001	VP1	20/10/2022	13:49	Buzzard	1	-	-	-	-	-	improved agricultural grassland; heard not seen, could have also been behind viewshed	MW
BZ002	VP1	20/10/2022	13:58	Buzzard	1	60	10	50	0	0	improved agricultural grassland; flight, remainder of flight behind viewshed.	MW
BZ003	VP1	20/10/2022	16:09	Buzzard	1	-	-	-	-	-	hedgerows; perched at edge of field on posts	MW
BZ004	VP3	21/10/2022	15:59	Buzzard	1	40	0	40	0	0	improved agricultural grassland; chased by corvids	MW
BZ005	VP3	22/11/2022	07:38	Buzzard	1	-	-	-	-	-	improved agricultural grassland; calling, heard not seen	MW
BZ006	VP3	22/11/2022	07:44	Buzzard	1	-	-	-	-	-	improved agricultural grassland; calling, heard not seen	MW
BZ007	VP3	22/11/2022	08:47	Buzzard	1	-	-	-	-	-	improved agricultural grassland; calling	MW
BZ008	VP1	25/11/2022	11:21	Buzzard	1	50	0	5	45	0	improved agricultural grassland; gliding, obscured by trees after 50 secs	MW
BZ009	VP1	25/11/2022	13:14	Buzzard	1	45	45	0	0	0	improved agricultural grassland; mobbed by corvid while presumably foraging on grass	MW
BZ010	VP3	10/02/2023	08:15	Buzzard	1	125	15	110	0	0	riparian woodland, amenity grassland (improved) and hedgerows; soaring, 15-50m	MS
BZ011	VP3	10/02/2023	13:10	Buzzard	1	115	60	35	20	0	riparian woodland, hedgerows and amenity grassland (improved); flight, 15-100m	MS
BZ012	VP3	24/02/2023	13:24	Buzzard	1	35	35	0	0	0	improved agricultural grassland, hedgerows and mixed broadleaved woodland; perch/flight, 15m	MS
BZ013	VP3	24/02/2023	16:15	Buzzard	1	120	100	20	0	0	improved agricultural grassland and hedgerows; perch/flight, 20m	MS
BZ014	VP1	27/02/2023	13:42	Buzzard	1	45	0	40	5	0	improved agricultural grassland, treelines and dry meadows and grassy verges; soaring, 20-30m	MS

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	27/02/2023	16:15	Buzzard	1	25	25	0	0	0	improved agricultural grassland and treelines; low flight/perch, 5-15m	MS
BZ016	VP3	18/03/2023	14:08	Buzzard	1	94	0	94	0	0	amenity grassland (improved) and treelines; overflight only, 25m	MS
BZ017	VP3	18/03/2023	15:26	Buzzard	1	35	0	0	35	0	amenity grassland (improved) and treelines; flying high/soaring, 35m	MS
BZ018	VP3	18/03/2023	18:22	Buzzard	1	15	15	0	0	0	amenity grassland (improved) and treelines; low flight through, 8-10m	MS
BZ019	VP1	28/03/2023	16:53	Buzzard	1	20	20	0	0	0	improved agricultural grassland and wet grassland; straight flight, 10m	MS
BZ020	VP1	16/04/2023	07:28	Buzzard	1	8	8	0	0	0	improved agricultural grassland, wet grassland and hedgerows; flyin and exit	MS
BZ021	VP1	16/04/2023	10:40	Buzzard	1	-	-	-	-	-	wet grassland, improved agricultural grassland and hedgerows; perching+hunting low	MS
BZ022	VP3	17/05/2023	17:10	Buzzard	1	135	0	0	135	0	improved agricultural grassland and conifer plantation; flying over	FLM
BZ023	VP03	12/06/2023	10:15	Buzzard	1	-	-	-	-	-	treelines and improved agricultural grassland; perched drying	MS
BZ024	VP01	13/06/2023	08:13	Buzzard	1	-	-	-	-	-	hedgerows, dry meadows and grassy verges and improved agricultural grassland; perched	MS
BZ025	VP01	13/06/2023	11:10	Buzzard	1	8	8	0	0	0	hedgerows, treelines and improved agricultural grassland; low flight/land, 5m	MS
BZ026	VP01	13/06/2023	13:05	Buzzard	1	16	0	16	0	0	improved agricultural grassland and hedgerows; fly though zone, 20m	MS
BZ027	VP1	10/07/2023	09:25	Buzzard	1	6	6	0	0	0	treelines and improved agricultural grassland; tree to tree move, 5m	MS
BZ028	VP1	10/07/2023	12:15	Buzzard	1	128	0	0	128	0	improved agricultural grassland and treelines; soaring, 25-40m	MS
BZ029	VP3	19/07/2023	09:25	Buzzard	1	38	0	0	38	0	treelines and improved agricultural grassland; soar/dive, 40-60m	MS
BZ030	VP3	19/07/2023	10:20	Buzzard	2	320	0	0	320	0	mixed conifer woodland and mixed broadleaved/conifer woodland; pair soaring, 150-180m	MS



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
BZ031	VP3	19/07/2023	11:15	Buzzard	1	85	5	45	35	0	improved agricultural grassland and treelines; soar/travel/land, 10-80m	MS
BZ032	VP1	02/08/2023	09:15	Buzzard	1	19	0	19	0	0	improved agricultural grassland; flying over, chased by swallows	FLM
BZ033	VP3	03/08/2023	09:45	Buzzard	1	-	-	-	-	-	improved agricultural grassland and hedgerows; young calling	FLM
BZ034	VP3	03/08/2023	10:10	Buzzard	1	173	0	0	173	0	improved agricultural grassland; circling	FLM
BZ035	VP3	03/08/2023	10:30	Buzzard	2	92	0	0	92	0	improved agricultural grassland and conifer plantation; travelling	FLM
BZ036	VP1	18/09/2023	07:15	Buzzard	1	19	19	0	0	0	improved agricultural grassland; flying from field, present through the survey at same location.	FLM
BZ037	VP3	19/09/2023	10:15	Buzzard	1	-	-	-	-	-	improved agricultural grassland and hedgerows; calling from roost	FLM
BZ038	VP1	06/10/2023	14:21	Buzzard	2	540	0	70	430	40	improved agricultural grassland and highly modified/non-native woodland; soaring and circling high over farmland and woodland	NM
BZ039	VP1	06/10/2023	16:07	Buzzard	1	260	0	0	180	80	improved agricultural grassland and highly modified/non-native woodland; soaring and circling high over farmland, se of site and moving away se	NM
BZ040	VP1	06/10/2023	18:04	Buzzard	1	270	50	220	0	0	improved agricultural grassland; flying low across farmland, moving n across e of site	NM
BZ041	VP3	11/10/2023	17:58	Buzzard	1	130	20	110	0	0	improved agricultural grassland and linear woodland/scrub; flying low across farmland, landing and perching in tree	NM
BZ042	VP3	11/10/2023	18:05	Buzzard	1	-	-	-	-	-	improved agricultural grassland; perched in tree on farmland, present for remainder of survey	NM
BZ043	VP3	20/11/2023	09:14	Buzzard	1	110	95	15	0	0	improved agricultural grassland and hedgerows; flying low across farmland and along hedgerows	NM
BZ044	VP3	20/11/2023	11:51	Buzzard	1	530	0	0	450	80	improved agricultural grassland; soaring and circling over farmland	NM

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
BZ045	VP1	22/11/2023	08:19	Buzzard	1	90	0	0	90	0	improved agricultural grassland and linear woodland/scrub; flying across farmland	NM
BZ046	VP1	12/12/2023	12:04	Buzzard	1	-	-	-	-	-	treelines and improved agricultural grassland; perched in tree within farmland	NM
BZ047	VP1	12/12/2023	12:47	Buzzard	1	70	30	40	0	0	improved agricultural grassland and linear woodland/scrub; flying across farmland, departing from perch	NM
BZ048	VP1	12/12/2023	15:19	Buzzard	1	540	0	0	100	440	improved agricultural grassland and highly modified/non-native woodland; soaring high over farmland - s of site	NM
BZ049	VP3	11/01/2024	13:03	Buzzard	1	80	0	80	0	0	improved agricultural grassland and treelines; flying, calling, perched	NM
BZ050	VP3	11/01/2024	13:10	Buzzard	1	170	80	90	0	0	improved agricultural grassland and linear woodland/scrub; flying, calling, perched, joining other perched individual in same tree for a time	NM
BZ051	VP3	11/01/2024	13:13	Buzzard	2	-	-	-	-	-	treelines; perched, calling	NM
BZ052	VP1	18/01/2024	08:41	Buzzard	1	90	0	90	0	0	improved agricultural grassland; travelling, calling	NM
BZ053	VP1	18/01/2024	09:56	Buzzard	1	380	60	320	0	0	improved agricultural grassland and linear woodland/scrub; travelling, mobbed, mobbed by hooded crows	NM
BZ054	VP1	18/01/2024	11:18	Buzzard	1	670	40	90	540	0	mixed conifer woodland and improved agricultural grassland; soaring, circling	NM
BZ055	VP1	18/01/2024	11:19	Buzzard	1	150	0	130	20	0	improved agricultural grassland and treelines; travelling, perching	NM
BZ056	VP1	18/01/2024	11:22	Buzzard	1	-	-	-	-	-	treelines, highly modified/non-native woodland and improved agricultural grassland; perched, perched for 46 mins mins before departing once again	NM
BZ057	VP1	18/01/2024	12:08	Buzzard	1	80	0	80	0	0	improved agricultural grassland; perched, flying	NM
BZ058	VP1	18/01/2024	13:37	Buzzard	2	1200	0	0	1200	0	improved agricultural grassland; soaring, pair	NM



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
BZ059	VP1	06/02/2024	13:46	Buzzard	1	390	0	0	0	390	improved agricultural grassland and linear woodland/scrub; soaring, travelling	NM
BZ060	VP1	06/02/2024	15:29	Buzzard	1	65	0	65	0	0	improved agricultural grassland and linear woodland/scrub; travelling, calling	NM
BZ061	VP1	06/02/2024	16:19	Buzzard	1	-	-	-	-	-	treelines and improved agricultural grassland; perched	NM
BZ062	VP1	06/02/2024	16:57	Buzzard	1	140	0	90	50	0	improved agricultural grassland and treelines; travelling, perching	NM
BZ063	VP1	06/02/2024	17:12	Buzzard	1	30	0	30	0	0	improved agricultural grassland; departing, travelling	NM
BZ064	VP3	13/02/2024	14:52	Buzzard	1	65	0	50	15	0	improved agricultural grassland and linear woodland/scrub; travelling, calling	NM
BZ065	VP3	13/02/2024	16:05	Buzzard	1	105	0	0	105	0	improved agricultural grassland and mixed conifer woodland; gliding, travelling	NM
BZ066	VP1	14/03/2024	07:55	Buzzard	1	190	60	100	30	0	improved agricultural grassland and linear woodland/scrub; travelling, perching	NM
BZ067	VP1	14/03/2024	09:45	Buzzard	1	-	-	-	-	-	treelines and improved agricultural grassland; perched	NM
BZ068	VP1	14/03/2024	11:53	Buzzard	1	-	-	-	-	-	hedgerows and improved agricultural grassland; perched	NM
BZ069	VP3	26/03/2024	06:17	Buzzard	1	320	260	60	0	0	improved agricultural grassland and linear woodland/scrub; travelling, perched, moving within farmland, perching intermittently	NM
BZ070	VP3	26/03/2024	06:42	Buzzard	3	750	0	0	750	0	improved agricultural grassland; soaring, calling, courting	NM
BZ071	VP3	26/03/2024	07:03	Buzzard	1	60	0	60	0	0	improved agricultural grassland and highly modified/non-native woodland; traveling, calling	NM
BZ072	VP3	26/03/2024	07:56	Buzzard	2	270	100	170	0	0	highly modified/non-native woodland and improved agricultural grassland; gliding, courting, low over woodland	NM
BZ073	VP3	26/03/2024	09:02	Buzzard	6	2400	0	0	1500	900	improved agricultural grassland and linear woodland/scrub; soaring, courting, moving gradually south	NM

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
BZ074	VP3	26/03/2024	09:04	Buzzard	2	450	100	350	0	0	treelines and improved agricultural grassland; perched, calling, travelling, within tree cluster before flying across site	NM
BZ075	VP3	26/03/2024	09:52	Buzzard	1	75	0	75	0	0	improved agricultural grassland and hedgerows; travelling	NM
BZ076	VP3	26/03/2024	10:47	Buzzard	1	1400	0	0	0	1400	improved agricultural grassland; soaring, calling	NM
BZ077	VP3	26/03/2024	11:10	Buzzard	2	560	0	250	310	0	improved agricultural grassland; gliding, circling, calling	NM
BZ078	VP1	09/04/2024	16:34	Buzzard	1	335	0	215	120	0	treelines and improved agricultural grassland; soaring	MS
BZ079	VP3	12/04/2024	15:15	Buzzard	1	50	50	0	0	0	treelines and improved agricultural grassland; flying, landed	MS
BZ080	VP3	12/04/2024	16:28	Buzzard	1	174	54	120	0	0	conifer plantation and mixed broadleaved/conifer woodland; flying, landed	MS
BZ081	VP3	12/04/2024	17:20	Buzzard	1	320	0	0	50	270	conifer plantation and mixed broadleaved/conifer woodland; soaring, flying	MS
BZ082	VP3	12/04/2024	17:20	Buzzard	2	280	40	110	130	0	conifer plantation and mixed broadleaved/conifer woodland; defence flying, pair	MS
BZ083	VP3	20/05/2024	05:31	Buzzard	1	55	0	55	0	0	improved agricultural grassland, linear woodland/scrub and highly modified/non-native woodland; travelling	NM
BZ084	VP3	20/05/2024	05:56	Buzzard	2	950	0	0	800	150	improved agricultural grassland and highly modified/non-native woodland; soaring, circling	NM
BZ085	VP3	20/05/2024	06:32	Buzzard	1	-	-	-	-	-	improved agricultural grassland and linear woodland/scrub; perched	NM
BZ086	VP3	20/05/2024	06:47	Buzzard	1	45	0	45	0	0	improved agricultural grassland and linear woodland/scrub; departing, calling	NM
BZ087	VP3	20/05/2024	09:08	Buzzard	1	2300	0	0	1750	550	improved agricultural grassland and linear woodland/scrub; soaring, circling	NM
BZ088	VP3	20/05/2024	09:54	Buzzard	2	1600	0	1400	200	0	improved agricultural grassland and linear woodland/scrub; travelling, calling,	NM



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
											perching, moving across farmland and perching intermittently	
BZ089	VP3	20/05/2024	10:18	Buzzard	1	480	0	0	480	0	improved agricultural grassland and highly modified/non-native woodland; soaring, travelling	NM
BZ090	VP3	20/05/2024	10:43	Buzzard	2	500	0	0	500	0	improved agricultural grassland and linear woodland/scrub; soaring, circling, calling	NM
BZ091	VP1	18/06/2024	11:10	Buzzard	1	78	0	0	78	0	improved agricultural grassland; circling, hunting	EOB
BZ092	VP1	18/06/2024	13:11	Buzzard	1	94	0	0	94	0	improved agricultural grassland; hunting	EOB
BZ093	VP3	19/06/2024	12:37	Buzzard	1	66	0	0	66	0	improved agricultural grassland; hunting	EOB
BZ094	VP3	19/06/2024	12:38	Buzzard	1	121	0	0	121	0	improved agricultural grassland; hunting	EOB
BZ095	VP3	19/06/2024	13:06	Buzzard	1	25	0	21	4	0	improved agricultural grassland; hunting	EOB
BZ096	VP3	19/06/2024	14:04	Buzzard	1	47	0	0	47	0	improved agricultural grassland; hunting	EOB
BZ097	VP3	19/06/2024	16:56	Buzzard	1	28	0	0	28	0	improved agricultural grassland and linear woodland/scrub; circling	EOB
BZ098	VP3	19/06/2024	17:47	Buzzard	1	125	0	0	125	0	improved agricultural grassland; hunting, circling	EOB
BZ099	VP1	12/07/2024	13:34	Buzzard	1	260	0	0	260	0	improved agricultural grassland and linear woodland/scrub; soaring, circling, travelling, moving off site	NM
BZ100	VP1	12/07/2024	14:17	Buzzard	2	890	0	40	650	200	improved agricultural grassland, linear woodland/scrub and highly modified/non-native woodland; soaring, circling, calling, for a long period, moving off site before being lost to west	NM
BZ101	VP1	12/07/2024	15:18	Buzzard	1	170	0	0	140	30	improved agricultural grassland; soaring, circling, mobbed, off site	NM
BZ102	VP1	12/07/2024	15:43	Buzzard	1	330	25	75	230	0	improved agricultural grassland and linear woodland/scrub; soaring, circling, travelling,	NM

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
											along north rlb, descending into farmland and was lost	
BZ103	VP1	12/07/2024	17:47	Buzzard	1	75	30	45	0	0	improved agricultural grassland and linear woodland/scrub; travelling	NM
BZ104	VP1	12/07/2024	19:54	Buzzard	1	150	30	90	30	0	improved agricultural grassland, linear woodland/scrub and highly modified/non-native woodland; travelling, calling, gliding	NM
BZ105	VP3	23/07/2024	15:30	Buzzard	2	-	-	-	-	-	treelines and improved agricultural grassland; calling, perched, at least 2 juveniles, calling throughout survey. not seen for the majority, numbers were rough	NM
BZ106	VP3	23/07/2024	16:30	Buzzard	2	150	0	20	100	30	improved agricultural grassland and linear woodland/scrub; soaring, calling, adult with juvenile, descending gradually	NM
BZ107	VP3	23/07/2024	16:40	Buzzard	1	35	20	15	0	0	improved agricultural grassland and linear woodland/scrub; flying, calling	NM
BZ108	VP3	23/07/2024	17:26	Buzzard	1	45	35	10	0	0	improved agricultural grassland and linear woodland/scrub; flying, calling, juvenile	NM
BZ109	VP3	23/07/2024	17:47	Buzzard	1	85	30	55	0	0	improved agricultural grassland and linear woodland/scrub; travelling	NM
BZ110	VP3	23/07/2024	20:00	Buzzard	2	25	20	5	0	0	improved agricultural grassland and treelines; flying, calling, perching, 2 juveniles, disappearing into treetops but continuing to call	NM
BZ111	VP3	23/07/2024	20:52	Buzzard	3	760	500	260	0	0	improved agricultural grassland and linear woodland/scrub; calling, swooping, chasing, begging calls, 1 adult + 2 juveniles. swirling low and chasing, landing in lower boughs of treeline	NM
BZ112	VP1	12/08/2024	14:08	Buzzard	1	210	0	0	160	50	improved agricultural grassland and linear woodland/scrub; soaring, circling, moving off site	NM
BZ113	VP1	12/08/2024	15:41	Buzzard	2	1600	350	500	750	0	improved agricultural grassland and linear woodland/scrub; swooping, calling, soaring, swooping over farmland on site, moving away southwest gradually	NM



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
BZ114	VP1	12/08/2024	15:56	Buzzard	1	50	0	50	0	0	improved agricultural grassland and linear woodland/scrub; travelling, gliding	NM
BZ115	VP1	12/08/2024	17:47	Buzzard	1	130	0	130	0	0	improved agricultural grassland and linear woodland/scrub; travelling, calling	NM
BZ116	VP1	12/08/2024	18:53	Buzzard	3	2200	200	800	1200	0	improved agricultural grassland and linear woodland/scrub; soaring, circling, calling, adult with two juveniles soaring for a long period, dropping into farmland on north site boundary	NM
BZ117	VP1	12/08/2024	20:09	Buzzard	1	180	0	50	130	0	highly modified/non-native woodland and improved agricultural grassland; swirling, mobbed	NM
BZ118	VP3	20/08/2024	10:05	Buzzard	1	-	-	-	-	-	improved agricultural grassland; perched	NM
BZ119	VP3	20/08/2024	10:12	Buzzard	1	70	30	40	0	0	improved agricultural grassland, linear woodland/scrub and scrub; departing, travelling	NM
BZ120	VP3	20/08/2024	10:17	Buzzard	1	-	-	-	-	-	improved agricultural grassland and linear woodland/scrub; perched, calling, juvenile	NM
BZ121	VP3	20/08/2024	10:56	Buzzard	1	220	0	80	140	0	improved agricultural grassland and linear woodland/scrub; circling, travelling	NM
BZ122	VP3	20/08/2024	11:17	Buzzard	1	-	-	-	-	-	treelines and improved agricultural grassland; perched, calling, juvenile, departing after 10mins and was lost immediately	NM
BZ123	VP3	20/08/2024	11:37	Buzzard	1	50	0	50	0	0	improved agricultural grassland and linear woodland/scrub; flying, calling, juvenile, disappearing into linear woodland	NM
BZ124	VP3	20/08/2024	11:41	Buzzard	1	-	-	-	-	-	improved agricultural grassland and linear woodland/scrub; perched, calling, juvenile	NM
BZ125	VP3	20/08/2024	14:06	Buzzard	2	-	-	-	-	-	linear woodland/scrub and improved agricultural grassland; calling, juveniles, at least two individuals calling within farmland.	NM
BZ126	VP3	20/08/2024	14:38	Buzzard	2	35	0	35	0	0	improved agricultural grassland and linear woodland/scrub; swirling, gliding, off site	NM

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
BZ127	VP3	20/08/2024	15:04	Buzzard	1	760	0	0	460	300	improved agricultural grassland, highly modified/non-native woodland and linear woodland/scrub; soaring, circling, travelling	NM
BZ128	VP3	20/08/2024	15:31	Buzzard	1	-	-	-	-	-	linear woodland/scrub and improved agricultural grassland; calling, juvenile, exact location and numbers unknown	NM
BZ129	VP1	11/09/2024	07:09	Buzzard	1	110	0	110	0	0	improved agricultural grassland and linear woodland/scrub; travelling, calling	NM
BZ130	VP1	11/09/2024	08:21	Buzzard	2	470	25	145	300	0	improved agricultural grassland and highly modified/non-native woodland; soaring, circling, gradually dropping into north of site. possible juvenile but not confirmed	NM
BZ131	VP1	11/09/2024	09:23	Buzzard	1	90	30	60	0	0	improved agricultural grassland and linear woodland/scrub; travelling, gliding, fluttering, vanishing into woodland fringe	NM
BZ132	VP1	11/09/2024	11:58	Buzzard	2	35	0	25	10	0	improved agricultural grassland; circling, chasing, swooping, off site	NM
BZ133	VP1	11/09/2024	12:09	Buzzard	1	50	0	15	35	0	improved agricultural grassland; circling, off site. dropping into farmland	NM
BZ134	VP3	12/09/2024	07:14	Buzzard	1	0	0	0	0	0	linear woodland/scrub, scrub/transitional woodland and improved agricultural grassland; calling, juvenile. not seen - only heard	NM
BZ135	VP3	12/09/2024	07:19	Buzzard	1	85	20	30	35	0	improved agricultural grassland and linear woodland/scrub; travelling, soaring, mobbed	NM
BZ136	VP3	12/09/2024	07:40	Buzzard	1	0	0	0	0	0	improved agricultural grassland and linear woodland/scrub; calling, juvenile. not seen - only heard	NM
BZ137	VP3	12/09/2024	07:56	Buzzard	1	120	0	50	70	0	improved agricultural grassland; soaring, circling, travelling, lost behind terrain (bovp1 hill)	NM
BZ138	VP3	12/09/2024	09:47	Buzzard	3	770	30	200	540	0	improved agricultural grassland and scrub/transitional woodland; soaring, circling, calling, appeared to be adult with 2 juveniles shadowing and swooping.	NM



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
											dropping into woodland fringes (ardborra area)	
BZ139	VP3	12/09/2024	10:07	Buzzard	1	0	0	0	0	0	linear woodland/scrub, highly modified/non-native woodland and improved agricultural grassland; perched, juvenile. not seen departing	NM
BZ140	VP3	12/09/2024	10:20	Buzzard	2	55	0	40	15	0	improved agricultural grassland, linear woodland/scrub and highly modified/non-native woodland; swooping, travelling, gliding, off site	NM
BZ141	VP3	12/09/2024	10:22	Buzzard	1	140	0	140	0	0	highly modified/non-native woodland and improved agricultural grassland; soaring, swooping, lost behind woodland	NM
BZ142	VP3	12/09/2024	11:51	Buzzard	1	90	30	60	0	0	improved agricultural grassland, scrub and disturbed ground; travelling, calling	NM
BZ143	VP1	01/10/2024	13:10	Buzzard	1	59	0	48	11	0	improved agricultural grassland; travelling	FOD
BZ144	VP1	01/10/2024	17:20	Buzzard	1	47	0	47	0	0	improved agricultural grassland; hunting	FOD
BZ145	VP3	02/10/2024	12:53	Buzzard	1	98	0	98	0	0	improved agricultural grassland; hunting	FOD
BZ146	VP3	02/10/2024	15:27	Buzzard	1	363	0	200	163	0	improved agricultural grassland, conifer plantation and semi-natural woodland; hunting	FOD
BZ147	VP3	18/11/2024	16:48	Buzzard	1	30	0	30	0	0	improved agricultural grassland; travelling	DM
BZ148	VP3	26/11/2024	12:17	Buzzard	1	30	30	0	0	0	improved agricultural grassland; travelling, flew low behind hedge	DM
BZ149	VP1	11/02/2025	16:02	Buzzard	1	34	0	10	24	0	improved agricultural grassland; travelling	CC
BZ150	vp3	20/03/2025	09:58	Buzzard	3	240	30	30	180	0	improved agricultural grassland and mixed broadleaved/conifer woodland; circling, 2 landed in tree	DM
BZ151	vp3	20/03/2025	10:15	Buzzard	2	75	75	0	0	0	improved agricultural grassland; travelling	DM

Table 7 – 4a - 48 Buzzard Winter Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ001	13/12/2022	10:45	T2	Buzzard	1		MW
BZ002	16/03/2023	08:10	-	Buzzard	1	amenity grassland (improved), hedgerows and riparian woodland; flush/flight, 10m (wintering)	MS
BZ003	16/03/2023	12:55	-	Buzzard	1	treelines, amenity grassland (improved) and conifer plantation; flight, 10-15m (wintering)	MS
BZ004	17/10/2023	10:16	-	Buzzard	1	improved agricultural grassland and scrub/transitional woodland; flying low within farmland, perching (wintering)	NM
BZ005	17/10/2023	12:48	-	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland; soaring and circling high over site (wintering)	NM
BZ006	17/10/2023	15:57	-	Buzzard	1	linear woodland/scrub and improved agricultural grassland; disturbed from perch in hedgerow, flying low across farmland (wintering)	NM
BZ007	21/11/2023	08:19	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; flying across farmland (wintering)	NM
BZ008	21/11/2023	13:06	-	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland; flying across farmland and adjacent woodland (wintering)	NM
BZ009	21/11/2023	15:39	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; flying low across farmland (wintering)	NM
BZ010	17/01/2024	11:30	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; flying, calling (wintering)	NM
BZ011	17/01/2024	12:01	-	Buzzard	1	improved agricultural grassland; perched (wintering)	NM
BZ012	17/01/2024	12:19	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; flying, calling (wintering)	NM
BZ013	17/01/2024	12:43	-	Buzzard	1	improved agricultural grassland; flying (wintering)	NM
BZ014	17/01/2024	12:59	-	Buzzard	1	improved agricultural grassland; flying, gliding (wintering)	NM
BZ015	17/01/2024	17:19	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; calling (wintering)	NM
BZ016	15/02/2024	08:27	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; travelling, calling (wintering)	NM
BZ017	15/02/2024	10:20	-	Buzzard	1	improved agricultural grassland; perched, departing, flying (wintering)	NM



Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ018	15/02/2024	16:00	-	Buzzard	1	improved agricultural grassland and hedgerows; flying low, perching (wintering)	NM
BZ019	09/10/2024	13:05	-	Buzzard	1	improved agricultural grassland; soaring (wintering)	FOD
BZ020	09/10/2024	13:17	-	Buzzard	3	improved agricultural grassland; soaring (wintering)	FOD
BZ021	29/11/2024	11:18	T2	Buzzard	1	improved agricultural grassland and linear woodland/scrub; soaring, circling, off site (wintering)	NM
BZ022	29/11/2024	12:56	T2	Buzzard	1	improved agricultural grassland and linear woodland/scrub; travelling, swooping, calling (wintering)	NM
BZ023	29/11/2024	14:21	T3	Buzzard	1	improved agricultural grassland, scrub/transitional woodland and disturbed ground; travelling, calling (wintering)	NM
BZ024	29/11/2024	15:42	T4	Buzzard	1	mixed conifer woodland; gliding, calling, low across woodland (wintering)	NM
BZ025	22/01/2025	11:48		Buzzard	1	#N/A	DM
BZ026	22/01/2025	15:20		Buzzard	1	#N/A	DM
BZ027	13/03/2025	10:40	T1	Buzzard	1	improved agricultural grassland; calling, heard not seen (wintering)	CC
BZ028	13/03/2025	10:55	T1	Buzzard	1	improved agricultural grassland; calling, heard not seen (wintering)	CC
BZ029	13/03/2025	11:23	T2	Buzzard	1	improved agricultural grassland and hedgerows; travelling (wintering)	CC
BZ030	13/03/2025	12:32	T3	Buzzard	1	improved agricultural grassland; calling, heard not seen (wintering)	CC

Table 7 - 4a - 49 Buzzard Breeding Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ001	19/05/2023	11:50	-	Buzzard	1	improved agricultural grassland; flying over (suitable nesting habitat; possible breeder)	FLM
BZ002	15/04/2023	10:12	-	Buzzard	2	treelines and improved agricultural grassland; pair court flight, southern transects (courtship and display; probable breeding)	MS

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ003	15/04/2023	12:22	-	Buzzard	2	treelines, scattered tress and parkland and conifer plantation; pair courtship, middle transects (pair; probable breeding)	MS
BZ004	15/04/2023	14:48	-	Buzzard	1	treelines and improved agricultural grassland; fly/harassed by hc, northern transects (suitable nesting habitat; possible breeder)	MS
BZ005	14/06/2023	09:58	-	Buzzard	1	treelines and improved agricultural grassland; on nest, tall poplars (nest with young; confirmed breeding)	MS
BZ006	11/07/2023	09:25	-	Buzzard	1	treelines and improved agricultural grassland; high soar/aggravated calls (agitated behaviour; probable breeding)	MS
BZ007	11/07/2023	10:45	-	Buzzard	1	improved agricultural grassland and treelines; soaring (suitable nesting habitat; possible breeder)	MS
BZ008	11/07/2023	12:15	-	Buzzard	2	treelines and improved agricultural grassland; pair moving across area into trees (probable nest site; probable breeding)	MS
BZ009	20/06/2024	08:09	T1	Buzzard	1	improved agricultural grassland; calling (suitable nesting habitat; possible breeder)	EOB
BZ010	20/06/2024	08:11	T1	Buzzard	1	improved agricultural grassland; on grass, chick on ground (nest with young; confirmed breeding)	EOB
BZ011	20/06/2024	12:31	T3	Buzzard	1	improved agricultural grassland; hunting (suitable nesting habitat; possible breeder)	EOB
BZ012	21/06/2024	13:57	T4	Buzzard	1	improved agricultural grassland; circling, hunting (suitable nesting habitat; possible breeder)	EOB
BZ013	08/04/2024	06:50	WO	Buzzard	2	improved agricultural grassland and treelines; flying, landed, courting, pair (suitable nesting habitat; possible breeder)	MS
BZ014	08/04/2024	12:45	WO	Buzzard	2	treelines, wet grassland and improved agricultural grassland; courtship (courtship and display; probable breeding)	MS
BZ015	30/05/2024	09:24	-	Buzzard	2	improved agricultural grassland and linear woodland/scrub; flying low, calling, perching (pair; probable breeding)	NM
BZ016	30/05/2024	11:09	-	Buzzard	1	improved agricultural grassland; soaring, travelling (suitable nesting habitat; possible breeder)	NM
BZ017	30/05/2024	14:30	-	Buzzard	2	improved agricultural grassland and linear woodland/scrub; soaring, circling (pair; probable breeding)	NM
BZ018	30/05/2024	15:50	-	Buzzard	2	improved agricultural grassland and highly modified/non-native woodland; soaring, circling, for a long period (pair; probable breeding)	NM
BZ019	30/05/2024	14:24	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; travelling, calling, perching briefly before continuing (suitable nesting habitat; possible breeder)	NM
BZ020	30/05/2024	08:47	-	Buzzard	1	highly modified/non-native woodland and improved agricultural grassland; gliding, calling, same individual(s). potential nest in area (pair; probable breeding)	NM



Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ021	30/05/2024	09:06	-	Buzzard	1	highly modified/non-native woodland; circling, calling, same individual(s). potential nest in area (agitated behaviour; probable breeding)	NM
BZ022	30/05/2024	09:18	-	Buzzard	2	highly modified/non-native woodland and improved agricultural grassland; soaring high, same individual(s). potential nest in area (pair; probable breeding)	NM
BZ023	30/05/2024	10:16	-	Buzzard	2	highly modified/non-native woodland and improved agricultural grassland; gliding low, calling, same individual(s). potential nest in area (pair; probable breeding)	NM
BZ024	30/05/2024	10:47	-	Buzzard	2	improved agricultural grassland and highly modified/non-native woodland; soaring, circling (pair; probable breeding)	NM
BZ025	30/05/2024	12:30	-	Buzzard	2	highly modified/non-native woodland and improved agricultural grassland; soaring, circling, descending, same individual(s). potential nest in area (pair; probable breeding)	NM
BZ026	30/05/2024	13:28	-	Buzzard	3	highly modified/non-native woodland and improved agricultural grassland; flying, chasing, appeared to be joined by another individual. chasing and swooping over forestry and surrounding farmland (agitated behaviour; probable breeding)	NM
BZ027	30/05/2024	15:26	-	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland; soaring, circling (suitable nesting habitat; possible breeder)	NM
BZ028	24/07/2024	08:24	-	Buzzard	5	improved agricultural grassland and highly modified/non-native woodland; soaring, circling, calling, family soaring high - at least 2 juveniles present. soaring for ~30 and moving gradually west (fledged young; confirmed breeding)	NM
BZ029	24/07/2024	10:04	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; calling, gliding, perched, gliding low across site, perching for a brief time (in trees at house) before continuing west (suitable nesting habitat; possible breeder)	NM
BZ030	24/07/2024	09:19	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; soaring, circling, travelling, southeast buffer (suitable nesting habitat; possible breeder)	NM
BZ031	24/07/2024	10:10	-	Buzzard	2	improved agricultural grassland and highly modified/non-native woodland; soaring, calling, possible juvenile but not confirmed (pair; probable breeding)	NM
BZ032	24/07/2024	12:29	-	Buzzard	1	improved agricultural grassland, linear woodland/scrub and scrub; travelling, swooping (suitable nesting habitat; possible breeder)	NM
BZ033	24/07/2024	10:52	-	Buzzard	2	linear woodland/scrub and improved agricultural grassland; calling, juveniles calling within treeline. numbers were an estimate (fledged young; confirmed breeding)	NM
BZ034	24/07/2024	11:04	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; calling, not seen, only heard calling. location was an estimate (fledged young; confirmed breeding)	NM
BZ035	24/07/2024	11:09	-	Buzzard	1	improved agricultural grassland; calling, potential juvenile. not seen, only heard calling. location was an estimate (suitable nesting habitat; possible breeder)	NM

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ036	24/07/2024	12:06	-	Buzzard	1	linear woodland/scrub and improved agricultural grassland; calling, juvenile begging, not seen, only heard calling, location was an estimate (fledged young; confirmed breeding)	NM
BZ037	24/07/2024	12:14	-	Buzzard	2	linear woodland/scrub and improved agricultural grassland; begging calls, not seen, only heard calling, exact location was an estimate (fledged young; confirmed breeding)	NM
BZ038	24/07/2024	10:56	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; flying, gliding, juvenile flying low within farmland, vanishing into treeline (fledged young; confirmed breeding)	NM
BZ039	24/07/2024	12:21	-	Buzzard	1	improved agricultural grassland; flying, calling, perching, potential juvenile but not confirmed (suitable nesting habitat; possible breeder)	NM
BZ040	24/07/2024	13:02	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; travelling, calling, low across farmland (suitable nesting habitat; possible breeder)	NM
BZ041	24/07/2024	13:11	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; circling, travelling (suitable nesting habitat; possible breeder)	NM
BZ042	24/07/2024	15:05	-	Buzzard	2	improved agricultural grassland and highly modified/non-native woodland; soaring, circling, off site, ardnacranny area (pair; probable breeding)	NM
BZ043	24/07/2024	14:26	-	Buzzard	2	linear woodland/scrub; perched, two juveniles perched in treeline (fledged young; confirmed breeding)	NM
BZ044	24/07/2024	14:11	-	Buzzard	1	linear woodland/scrub and improved agricultural grassland; calling, potential juvenile, not seen but coming from same area as other calls (suitable nesting habitat; possible breeder)	NM
BZ045	24/07/2024	14:18	-	Buzzard	1	linear woodland/scrub and improved agricultural grassland; calling, juvenile, not seen (fledged young; confirmed breeding)	NM
BZ046	24/07/2024	14:21	-	Buzzard	1	linear woodland/scrub and improved agricultural grassland; calling, circling, perched, adult, disturbed from perch, showed agitation, young likely nearby (agitated behaviour; probable breeding)	NM
BZ047	24/07/2024	16:12	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; travelling low, calling (suitable nesting habitat; possible breeder)	NM
BZ048	24/07/2024	16:32	-	Buzzard	1	linear woodland/scrub, improved agricultural grassland and highly modified/non-native woodland; flushed from perch, flying, disappearing into woodland (suitable nesting habitat; possible breeder)	NM
BZ049	24/07/2024	16:56	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; soaring, circling (suitable nesting habitat; possible breeder)	NM
BZ050	24/07/2024	16:37	-	Buzzard	1	highly modified/non-native woodland; calling, not seen, adult heard calling within woodland (suitable nesting habitat; possible breeder)	NM



Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ051	24/07/2024	15:37	-	Buzzard	2	linear woodland/scrub and improved agricultural grassland; calling, juveniles calling from similar area, heard only (fledged young; confirmed breeding)	NM
BZ052	24/07/2024	17:20	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; calling (suitable nesting habitat; possible breeder)	NM
BZ053	24/07/2024	16:15	-	Buzzard	1	improved agricultural grassland and linear woodland/scrub; flying, carrying prey, perching, arriving carrying prey, vanishing into treeline and greeted with flurry of begging calls (adult carrying food/faecal sac; confirmed breeding)	NM
BZ054	24/07/2024	16:16	-	Buzzard	2	linear woodland/scrub; calling, fluttering, commotion caused by arrival of adult carrying food (fledged young; confirmed breeding)	NM

Table 7 – 4a - 50 Buzzard Breeding Raptor Survey

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ001	BR6	23/05/2023	08:30	Buzzard	1	improved agricultural grassland and hedgerows, flying over	suitable nesting habitat; possible breeder	FLM
BZ002	BR7	25/05/2023	11:00	Buzzard	1	raised bog, bog woodland and conifer plantation, circling	suitable nesting habitat; possible breeder	FLM
BZ003	BR7	25/05/2023	11:45	Buzzard	1	raised bog and conifer plantation, circling	suitable nesting habitat; possible breeder	FLM
BZ004	BR8	31/07/2023	21:05	Buzzard	1	improved agricultural grassland and hedgerows, flying over then perched	suitable nesting habitat; possible breeder	FLM
BZ005	500m survey radius	20/04/2023	11:22	Buzzard	1	treelines and improved agricultural grassland, flight low, 10-15m	suitable nesting habitat; possible breeder	MS
BZ006	BR2	11/04/2024	11:28	Buzzard	1	bogs and scrub, soaring, circling	suitable nesting habitat; possible breeder	NM
BZ007	BR2	11/04/2024	11:55	Buzzard	1	improved agricultural grassland and linear woodland/scrub, soaring, travelling	suitable nesting habitat; possible breeder	NM
BZ008	BR2	11/04/2024	13:27	Buzzard	1	immature woodland and improved agricultural grassland, travelling	flyover; non-breeding	NM
BZ009	BR2	11/04/2024	12:40	Buzzard	1	scrub/transitional woodland, bogs and improved agricultural grassland, travelling	flyover; non-breeding	NM
BZ010	BR4	11/04/2024	18:35	Buzzard	1	improved agricultural grassland, linear woodland/scrub and scrub/transitional woodland, flying, gliding, clare hill	suitable nesting habitat; possible breeder	NM

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ011	BOVP1 (BRVP8)	12/04/2024	07:04	Buzzard	1	dry calcareous and neutral grassland and scrub, travelling low	suitable nesting habitat; possible breeder	NM
BZ012	BOVP1 (BRVP8)	12/04/2024	07:56	Buzzard	2	improved agricultural grassland and linear woodland/scrub, soaring, circling	pair; probable breeding	NM
BZ013	BR7	12/04/2024	11:31	Buzzard	1	improved agricultural grassland, soaring, travelling	flyover; non-breeding	NM
BZ014	BR6	10/04/2024	16:02	Buzzard	1	improved agricultural grassland, linear woodland/scrub and scrub, travelling, calling	suitable nesting habitat; possible breeder	NM
BZ015	BOVP2	11/04/2024	20:47	Buzzard	1	improved agricultural grassland and treelines, travelling, roosting, bovp2	suitable nesting habitat; possible breeder	NM
BZ016	BR7 / Ballinderry bog	12/04/2024	14:00	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland, perched, departing, calling	suitable nesting habitat; possible breeder	NM
BZ017	BR7 / Ballinderry bog	12/04/2024	14:08	Buzzard	2	highly modified/non-native woodland and immature woodland, gliding, calling, low over woodland	pair; probable breeding	NM
BZ018	HHVP1	10/04/2024	18:11	Buzzard	1	hedgerows and improved agricultural grassland, perched, travelling low, williamstown	suitable nesting habitat; possible breeder	NM
BZ019	HHVP1	10/04/2024	21:17	Buzzard	1	bogs and highly modified/non-native woodland, travelling low, perched, abbeyshrule bog. perched briefly before continuing	flyover; non-breeding	NM
BZ020	Transect 2	30/04/2024	10:47	Buzzard	1	improved agricultural grassland and linear woodland/scrub, soaring, gliding, calling, descending, t2	suitable nesting habitat; possible breeder	NM
BZ021	Transect 2	30/04/2024	10:57	Buzzard	1	improved agricultural grassland, soaring, travelling	suitable nesting habitat; possible breeder	NM
BZ022	Transect 2	30/04/2024	11:21	Buzzard	2	improved agricultural grassland, soaring, circling high	pair; probable breeding	NM
BZ023	Transect 2	30/04/2024	12:07	Buzzard	1	improved agricultural grassland, linear woodland/scrub and scrub/transitional woodland, travelling, perching, umma more	suitable nesting habitat; possible breeder	NM
BZ024	Transect 1	30/04/2024	13:00	Buzzard	1	linear woodland/scrub and improved agricultural grassland, perching, calling, travelling, t1. moving along treelines, perching and calling intermittently	suitable nesting habitat; possible breeder	NM
BZ025	Transect 1	30/04/2024	15:37	Buzzard	2	improved agricultural grassland and linear woodland/scrub, soaring, circling (high)	courtship and display; probable breeding	NM



Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ026	HHVP2a	30/04/2024	17:02	Buzzard	2	immature woodland and highly modified/non-native woodland, soaring, swooping, hhvp2a	courtship and display; probable breeding	NM
BZ027	HHVP2a	30/04/2024	17:07	Buzzard	1	bogs, highly modified/non-native woodland and scrub/transitional woodland, soaring, swooping, hhvp2a	suitable nesting habitat; possible breeder	NM
BZ028	HHVP2a	30/04/2024	17:13	Buzzard	1	bogs and highly modified/non-native woodland, soaring, travelling, hhvp2a	suitable nesting habitat; possible breeder	NM
BZ029	Transect 1	30/04/2024	14:09	Buzzard	1	improved agricultural grassland, gliding, calling, t1	suitable nesting habitat; possible breeder	NM
BZ030	Transect 1	30/04/2024	13:14	Buzzard	2	linear woodland/scrub and improved agricultural grassland, perched, calling, t1	pair; probable breeding	NM
BZ031	Transect 1	30/04/2024	13:34	Buzzard	1	improved agricultural grassland, flying, calling, t1	suitable nesting habitat; possible breeder	NM
BZ032	Transect 1	30/04/2024	13:38	Buzzard	1	improved agricultural grassland and linear woodland/scrub, flying, calling, t1	suitable nesting habitat; possible breeder	NM
BZ033	Transect 1	30/04/2024	13:50	Buzzard	2	improved agricultural grassland, soaring, circling, t1	courtship and display; probable breeding	NM
BZ034	HHVP2a	16/05/2024	08:43	Buzzard	2	highly modified/non-native woodland and bogs, calling, gliding, flying low over woodland, perched and calling within	pair; probable breeding	NM
BZ035	HHVP2a	16/05/2024	07:29	Buzzard	1	highly modified/non-native woodland and bogs, soaring, carrying prey, perching, carrying prey to potential nest	adult carrying food/faecal sac; confirmed breeding	NM
BZ036	HHVP2a	16/05/2024	07:31	Buzzard	1	highly modified/non-native woodland and bogs, flying, calling, perching, appeared to greet individual arriving with prey	probable nest site; probable breeding	NM
BZ037	HHVP2a	16/05/2024	06:20	Buzzard	1	highly modified/non-native woodland and bogs, calling, flying, appeared to be agitated, swooping over woodland	agitated behaviour; probable breeding	NM
BZ038	Mullaghcloe	16/05/2024	09:35	Buzzard	1	improved agricultural grassland, linear woodland/scrub and scrub, soaring, circling	suitable nesting habitat; possible breeder	NM
BZ039	BR5	16/05/2024	10:49	Buzzard	1	improved agricultural grassland, disturbed ground and linear woodland/scrub, soaring, circling, over quarry area and vp3	suitable nesting habitat; possible breeder	NM
BZ040	BR5	16/05/2024	12:26	Buzzard	2	improved agricultural grassland, highly modified/non-native woodland and linear woodland/scrub, soaring, circling, kilcorman	pair; probable breeding	NM

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ041	BR6	16/05/2024	14:40	Buzzard	1	improved agricultural grassland, highly modified/non-native woodland and linear woodland/scrub, travelling low	flyover; non-breeding	NM
BZ042	BR1	17/05/2024	09:29	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling	suitable nesting habitat; possible breeder	NM
BZ043	BR1	17/05/2024	09:57	Buzzard	1	bogs, scrub and improved agricultural grassland, travelling	suitable nesting habitat; possible breeder	NM
BZ044	BR1	17/05/2024	09:03	Buzzard	2	improved agricultural grassland and highly modified/non-native woodland, soaring, circling	pair; probable breeding	NM
BZ045	BR1	17/05/2024	11:17	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland, soaring, circling	suitable nesting habitat; possible breeder	NM
BZ046	BR1	17/05/2024	09:48	Buzzard	3	improved agricultural grassland, bogs and linear woodland/scrub, soaring, circling	courtship and display; probable breeding	NM
BZ047	BR1	17/05/2024	10:54	Buzzard	1	improved agricultural grassland, scrub and bogs, gliding, descending, appeared to land within scrubby bog fringe	suitable nesting habitat; possible breeder	NM
BZ048	HHVP1	24/05/2024	08:04	Buzzard	1	bogs and highly modified/non-native woodland, travelling low, perched briefly	suitable nesting habitat; possible breeder	NM
BZ049	BR7	24/05/2024	19:31	Buzzard	2	scrub/transitional woodland, improved agricultural grassland and bogs, soaring, circling, ballynagrenia	pair; probable breeding	NM
BZ050	BR7	24/05/2024	18:34	Buzzard	1	bogs and scrub/transitional woodland, soaring, circling, descending gradually, ballynagrenia	suitable nesting habitat; possible breeder	NM
BZ051	BR7	24/05/2024	18:57	Buzzard	1	bogs and scrub/transitional woodland, soaring, circling, ballinderry	suitable nesting habitat; possible breeder	NM
BZ052	Ardbuckan	29/05/2024	17:20	Buzzard	2	improved agricultural grassland and highly modified/non-native woodland, soaring, circling	pair; probable breeding	NM
BZ053	BOVP1 (BRVP8)	29/05/2024	20:19	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling low	suitable nesting habitat; possible breeder	NM
BZ054	BOVP1 (BRVP8)	29/05/2024	17:58	Buzzard	2	highly modified/non-native woodland and improved agricultural grassland, soaring circling, ardbuckan. present for at least 1 hr	pair; probable breeding	NM
BZ055	BOVP1 (BRVP8)	29/05/2024	18:19	Buzzard	1	improved agricultural grassland and linear woodland/scrub, soaring, travelling, moving southeast along north rlb	suitable nesting habitat; possible breeder	NM



Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ056	BOVP1 (BRVP8)	29/05/2024	19:33	Buzzard	2	improved agricultural grassland, bogs and scrub/transitional woodland, soaring, circling, moyvoughly	pair; probable breeding	NM
BZ057	BOVP1 (BRVP8)	29/05/2024	21:20	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland, soaring, circling	suitable nesting habitat; possible breeder	NM
BZ058	BOVP1 (BRVP8)	29/05/2024	21:41	Buzzard	1	improved agricultural grassland, travelling, calling, roosting, appeared to roost in tree cluster adjacent to bovp2	suitable nesting habitat; possible breeder	NM
BZ059	BR4	07/06/2024	14:03	Buzzard	1	improved agricultural grassland and linear woodland/scrub, soaring, circling, north site boundary (ballynacorra)	suitable nesting habitat; possible breeder	NM
BZ060	BR5	07/06/2024	16:47	Buzzard	2	improved agricultural grassland and highly modified/non-native woodland, soaring, circling, long period	pair; probable breeding	NM
BZ061	BR5	07/06/2024	18:14	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling, calling	suitable nesting habitat; possible breeder	NM
BZ062	BR1	11/06/2024	13:17	Buzzard	1	scrub, bogs and improved agricultural grassland, travelling, calling	flyover; non-breeding	NM
BZ063	Clonybane	11/06/2024	15:41	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling low	suitable nesting habitat; possible breeder	NM
BZ064	BR6	11/06/2024	16:33	Buzzard	1	linear woodland/scrub and improved agricultural grassland, perched, flushed, departing	suitable nesting habitat; possible breeder	NM
BZ065	BR6	11/06/2024	18:19	Buzzard	2	improved agricultural grassland, disturbed ground and linear woodland/scrub, soaring, travelling, descending gradually before being lost	pair; probable breeding	NM
BZ066	BR6	11/06/2024	18:50	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling, swooping	suitable nesting habitat; possible breeder	NM
BZ067	BR2	21/06/2024	10:57	Buzzard	1	highly modified/non-native woodland, bogs and improved agricultural grassland, travelling, calling	suitable nesting habitat; possible breeder	NM
BZ068	BR2	21/06/2024	11:26	Buzzard	2	improved agricultural grassland, soaring, circling, curragh	pair; probable breeding	NM
BZ069	BR7	21/06/2024	15:53	Buzzard	1	bogs, improved agricultural grassland and scrub/transitional woodland, travelling	suitable nesting habitat; possible breeder	NM
BZ070	BR7	21/06/2024	16:54	Buzzard	1	bogs, scrub and improved agricultural grassland, soaring, travelling, circling	suitable nesting habitat; possible breeder	NM

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ071	BR7	21/06/2024	14:57	Buzzard	2	improved agricultural grassland and bogs, soaring, circling	pair; probable breeding	NM
BZ072	BOVP1 (BRVP8)	21/06/2024	20:43	Buzzard	2	improved agricultural grassland, soaring, circling, moving steadily northwest	pair; probable breeding	NM
BZ073	BOVP1 (BRVP8)	21/06/2024	21:16	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling, calling	suitable nesting habitat; possible breeder	NM
BZ074	BOVP1 (BRVP8)	21/06/2024	21:49	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland, soaring, travelling, lissanode	suitable nesting habitat; possible breeder	NM
BZ075	BOVP1 (BRVP8)	21/06/2024	20:19	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland, soaring, circling, curragh	suitable nesting habitat; possible breeder	NM
BZ076	HHVP1 (Abbeyshrule bog)	20/06/2024	08:17	Buzzard	1	bogs and highly modified/non-native woodland, travelling low, calling	suitable nesting habitat; possible breeder	NM
BZ077	BR3	20/06/2024	17:04	Buzzard	1	improved agricultural grassland, highly modified/non-native woodland and scrub/transitional woodland, travelling, gliding, ardborra	suitable nesting habitat; possible breeder	NM
BZ078	Cloncullen	20/06/2024	18:39	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling, calling, perched, perching briefly before continuing	suitable nesting habitat; possible breeder	NM
BZ079	HHVP2a	20/06/2024	18:54	Buzzard	1	highly modified/non-native woodland, scrub and bogs, flushed, circling, calling, swirling over vp and calling for a time, appeared to be agitated - possible nest. dropping into woodland eventually	agitated behaviour; probable breeding	NM
BZ080	HHVP2a	20/06/2024	19:29	Buzzard	1	highly modified/non-native woodland, scrub and bogs, flying, calling, low across woodland fringes. emerging from similar place to where another disappeared	suitable nesting habitat; possible breeder	NM
BZ081	HHVP2a	20/06/2024	20:19	Buzzard	1	highly modified/non-native woodland and bogs, flying, carrying prey, landing, greeted by other adult, swirling and calling over woodland before dropping into probable nest site	adult carrying food/faecal sac; confirmed breeding	NM
BZ082	HHVP2a	20/06/2024	20:21	Buzzard	1	highly modified/non-native woodland and bogs, flying, swirling, calling, calling and chattering at individual carrying prey, dropping into woodland (probable nest site)	probable nest site; probable breeding	NM



Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ083	HHVP2a	20/06/2024	21:31	Buzzard	1	highly modified/non-native woodland, calling, possible young calling in nest, exact numbers not known	nest with young; confirmed breeder	NM
BZ084	HHVP2a	20/06/2024	20:12	Buzzard	1	improved agricultural grassland, soaring, travelling	suitable nesting habitat; possible breeder	NM
BZ085	BR4	26/07/2024	13:54	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling, perching, gliding, calling, perching for ~7mins in tree adjacent bovp3 before continuing	suitable nesting habitat; possible breeder	NM
BZ086	BR4	26/07/2024	15:39	Buzzard	2	improved agricultural grassland, disturbed ground and scrub/transitional woodland, soaring, high over quarry area	pair; probable breeding	NM
BZ087	BR4	26/07/2024	14:29	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling, gliding, disappearing behind wl	suitable nesting habitat; possible breeder	NM
BZ088	BR4	26/07/2024	14:35	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling, likely the individual at ~5mins previous	suitable nesting habitat; possible breeder	NM
BZ089	BR4	26/07/2024	13:16	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling, gliding	suitable nesting habitat; possible breeder	NM
BZ090	BR2	26/07/2024	17:15	Buzzard	2	highly modified/non-native woodland and scrub/transitional woodland, calling, calling regularly throughout. at least 2 birds, possible juveniles	suitable nesting habitat; possible breeder	NM
BZ091	BR2	26/07/2024	18:22	Buzzard	1	scrub/transitional woodland and highly modified/non-native woodland, flying, swooping, landing, adult, gliding over woodland before dropping into treetops. greeted with flurry of begging calls	probable nest site; probable breeding	NM
BZ092	BR2	26/07/2024	18:43	Buzzard	2	highly modified/non-native woodland and scrub/transitional woodland, chasing, flying, swooping, adult + juvenile. swooping and chasing woodland edges	fledged young; confirmed breeding	NM
BZ093	BR2	26/07/2024	19:18	Buzzard	1	highly modified/non-native woodland and scrub/transitional woodland, gliding, calling, adult	suitable nesting habitat; possible breeder	NM
BZ094	BR2	26/07/2024	20:04	Buzzard	1	highly modified/non-native woodland, flushed, calling, adult flushed from perch in woodland, swooping and calling low over canopy. likely young nearby, juvenile calling within woodland during flight	agitated behaviour; probable breeding	NM

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ095	BR2	26/07/2024	20:07	Buzzard	1	highly modified/non-native woodland, perched, calling, juvenile within woodland, possibly another juvenile as other calls were heard within same woodland	fledged young; confirmed breeding	NM
BZ096	BR2	26/07/2024	16:58	Buzzard	1	highly modified/non-native woodland, scrub and improved agricultural grassland, travelling, gliding	suitable nesting habitat; possible breeder	NM
BZ097	BR2	26/07/2024	17:42	Buzzard	1	improved agricultural grassland, scrub/transitional woodland and linear woodland/scrub, soaring, circling	suitable nesting habitat; possible breeder	NM
BZ098	BR2	26/07/2024	19:03	Buzzard	1	improved agricultural grassland and scrub/transitional woodland, travelling, calling	suitable nesting habitat; possible breeder	NM
BZ099	BR2	26/07/2024	18:13	Buzzard	2	improved agricultural grassland, soaring high, circling, knockastia	pair; probable breeding	NM
BZ100	BR3	11/07/2024	11:56	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling, calling	suitable nesting habitat; possible breeder	NM
BZ101	BR3	11/07/2024	13:12	Buzzard	1	improved agricultural grassland, highly modified/non-native woodland and linear woodland/scrub, soaring, circling, ardborra area	suitable nesting habitat; possible breeder	NM
BZ102	Bleachlawn	11/07/2024	14:42	Buzzard	1	improved agricultural grassland, soaring, circling	suitable nesting habitat; possible breeder	NM
BZ103	BR5	11/07/2024	17:43	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling, gliding, calling	suitable nesting habitat; possible breeder	NM
BZ104	BR5	11/07/2024	15:04	Buzzard	2	improved agricultural grassland, soaring, circling, over collierstown area	pair; probable breeding	NM
BZ105	BR5	11/07/2024	15:47	Buzzard	1	improved agricultural grassland and linear woodland/scrub, gliding, travelling, circling	suitable nesting habitat; possible breeder	NM
BZ106	BR5	11/07/2024	16:57	Buzzard	2	improved agricultural grassland, soaring, calling, adult with juvenile. snimnagorta area	fledged young; confirmed breeding	NM
BZ107	HHVP1 (Abbeyshrute bog)	11/07/2024	19:04	Buzzard	3	bogs, highly modified/non-native woodland and scrub, soaring, circling, calling, appeared to be juvenile present	fledged young; confirmed breeding	NM
BZ108	HHVP1 (Abbeyshrute bog)	11/07/2024	19:39	Buzzard	1	bogs and highly modified/non-native woodland, travelling, perching, quite low across bog, perching briefly in forestry fringe before continuing	suitable nesting habitat; possible breeder	NM
BZ109	HHVP1 (Abbeyshrute bog)	11/07/2024	21:19	Buzzard	1	bogs and highly modified/non-native woodland, gliding, fluttering, landing, gliding low over woodland	suitable nesting habitat; possible breeder	NM



Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
						before vanishing, possible nest or juveniles but no evidence observed		
BZ110	BR1	25/07/2024	13:32	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland, soaring, circling, travelling, moyvoughly area	suitable nesting habitat; possible breeder	NM
BZ111	BR1	25/07/2024	11:53	Buzzard	1	bogs, scrub and improved agricultural grassland, travelling, soaring	suitable nesting habitat; possible breeder	NM
BZ112	BR1	25/07/2024	13:59	Buzzard	1	bogs and scrub, travelling, calling	suitable nesting habitat; possible breeder	NM
BZ113	BR1	25/07/2024	14:31	Buzzard	3	improved agricultural grassland and bogs, soaring, calling, appeared to be 2 adults with a juvenile	fledged young; confirmed breeding	NM
BZ114	Ballinlig	25/07/2024	15:17	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling	suitable nesting habitat; possible breeder	NM
BZ115	BR6	25/07/2024	16:00	Buzzard	2	improved agricultural grassland and linear woodland/scrub, calling, calls throughout survey - from area where juveniles were seen (n site boundary). never seen, numbers and location were rough	fledged young; confirmed breeding	NM
BZ116	BR6	25/07/2024	18:03	Buzzard	1	improved agricultural grassland, linear woodland/scrub and disturbed ground, soaring, circling	suitable nesting habitat; possible breeder	NM
BZ117	BR6	25/07/2024	16:22	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling, vp3 area	suitable nesting habitat; possible breeder	NM
BZ118	Carricknagower / Ballymore	25/07/2024	19:12	Buzzard	2	improved agricultural grassland, soaring, circling, travelling	pair; probable breeding	NM
BZ119	Ballynegrenia & Ballinderry bog fringe	31/07/2024	09:47	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling, calling	suitable nesting habitat; possible breeder	NM
BZ120	BR7	31/07/2024	12:41	Buzzard	1	bogs and scrub, travelling, low along bog fringes	suitable nesting habitat; possible breeder	NM
BZ121	BR7	31/07/2024	10:29	Buzzard	1	bogs, highly modified/non-native woodland and improved agricultural grassland, soaring, circling, high over ballinderry bog fringes, gradually descending	suitable nesting habitat; possible breeder	NM
BZ122	BR7	31/07/2024	11:47	Buzzard	3	bogs and scrub, swirling, calling, travelling, adult with two juveniles over bog and fringes, joined by another adult. descending into ballinderry bog / clonthead area	fledged young; confirmed breeding	NM

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ123	BR7	31/07/2024	11:50	Buzzard	1	bogs and scrub, travelling, calling, swirling, adult, joining other adult and juveniles (+ swirling and descending together)	suitable nesting habitat; possible breeder	NM
BZ124	Clonthread / Ballinderry bog fringe	31/07/2024	14:14	Buzzard	2	highly modified/non-native woodland, perched, calling, juveniles perched and calling within woodland	fledged young; confirmed breeding	NM
BZ125	Clonthread / Ballinderry bog fringe	31/07/2024	14:12	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland, perched, flying, fluttering, calling, adult flushed and agitated calls, probable juveniles nearby	agitated behaviour; probable breeding	NM
BZ126	VP3 area	31/07/2024	15:00	Buzzard	2	improved agricultural grassland and linear woodland/scrub, soaring, circling, calling, two adults and two juveniles circling and calling - area where previous juvenile sightings were made	fledged young; confirmed breeding	NM
BZ127	HHVP2a	31/07/2024	15:36	Buzzard	1	bogs, scrub/transitional woodland and highly modified/non-native woodland, flushed, calling, fluttering, adult showing agitation, probable juveniles nearby, dropping into woodland	agitated behaviour; probable breeding	NM
BZ128	HHVP2a	31/07/2024	17:06	Buzzard	1	highly modified/non-native woodland, scrub/transitional woodland and bogs, calling, fluttering, agitation due to presence of nearby juveniles	agitated behaviour; probable breeding	NM
BZ129	HHVP2a	31/07/2024	17:41	Buzzard	1	highly modified/non-native woodland, scrub/transitional woodland and bogs, flying, calling, agitation due to nearby juveniles	agitated behaviour; probable breeding	NM
BZ130	HHVP2a	31/07/2024	18:04	Buzzard	2	highly modified/non-native woodland, bogs and improved agricultural grassland, mobbing, flying, calling, mobbing grey crows, juveniles in area	pair; probable breeding	NM
BZ131	HHVP2a	31/07/2024	16:20	Buzzard	3	highly modified/non-native woodland and scrub/transitional woodland, calling, juveniles calling frequently during vp, at least two juve. birds. adult calling within woodland also on occasion	fledged young; confirmed breeding	NM
BZ132	HHVP2a	31/07/2024	17:39	Buzzard	1	highly modified/non-native woodland, bogs and scrub/transitional woodland, flying, perching, juvenile calling, moving from one area of woodland to another (both on bog fringes)	fledged young; confirmed breeding	NM



Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ133	Lugacaha / L. Sewdy	31/07/2024	19:02	Buzzard	1	improved agricultural grassland and hedgerows, flying, gliding	suitable nesting habitat; possible breeder	NM
BZ134	BOVP1 (BRVP8)	31/07/2024	19:54	Buzzard	3	improved agricultural grassland and linear woodland/scrub, circling, calling, travelling, adult with two juveniles	fledged young; confirmed breeding	NM
BZ135	BOVP1 (BRVP8)	31/07/2024	20:32	Buzzard	1	improved agricultural grassland, highly modified/non-native woodland and linear woodland/scrub, soaring, circling	suitable nesting habitat; possible breeder	NM
BZ136	BOVP1 (BRVP8)	31/07/2024	20:04	Buzzard	1	improved agricultural grassland and linear woodland/scrub, travelling, calling, perching intermittently as it was low within farmland	suitable nesting habitat; possible breeder	NM
BZ137	BOVP1 (BRVP8)	31/07/2024	20:28	Buzzard	2	improved agricultural grassland, soaring, circling, vp3 area, possible juvenile but unconfirmed	pair; probable breeding	NM
BZ138	BOVP1 (BRVP8)	31/07/2024	19:37	Buzzard	3	improved agricultural grassland, scrub and bogs, soaring, circling, travelling, ballinlig area (br2), two adults with juvenile	fledged young; confirmed breeding	NM
BZ139	BOVP1 (BRVP8)	31/07/2024	21:38	Buzzard	1	improved agricultural grassland, highly modified/non-native woodland and linear woodland/scrub, travelling	suitable nesting habitat; possible breeder	NM

Table 7 – 4a - 51 Buzzard Incidental Records

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ001	Waterbird Distribution Survey; Newgrove	10/11/2022	14:03	Buzzard	1	improved agricultural grassland; low flight over road	MW
BZ002	Waterbird Distribution Survey; Streamstown	23/11/2022	12:24	Buzzard	2	improved agricultural grassland; foraging on grass, pair	MW
BZ003	Vantage Point Survey; Road leading to VP3	22/11/2022	13:45	Buzzard	1	improved agricultural grassland; flushed, flew south	MW
BZ004	Waterbird Distribution Survey; Dunolm	23/11/2022	12:53	Buzzard	1	improved agricultural grassland; hovering, mobbed by corvid	MW
BZ005	Waterbird Distribution Survey; Rosemount	07/12/2022	14:27	Buzzard	1	improved agricultural grassland and scattered tress and parkland; flight, calling	MW
	Waterbird Distribution Survey; lough sewdy/ ballymore	24/02/2023	12:30	Buzzard	1	improved agricultural grassland and lakes and ponds; travelling	FLM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ007	Waterbird Distribution Survey; G1	14/03/2023	09:45	Buzzard	1	wet willow-alder-ash woodland and cutover bog; flying/searching, 10-20m	MS
BZ008	Waterbird Distribution Survey; G1	14/03/2023	14:10	Buzzard	1	eutrophic lakes, riparian woodland and dry meadows and grassy verges; hover hunting, 15-20m	MS
BZ009	Waterbird Distribution Survey; G1	14/03/2023	14:18	Buzzard	1	eutrophic lakes, riparian woodland and dry meadows and grassy verges; flight across area	MS
BZ010	Waterbird Distribution Survey; G1	14/03/2023	14:20	Buzzard	2	dry meadows and grassy verges and riparian woodland; pair hovering, feel only 2 birds in area	MS
BZ011	Waterbird Distribution Survey; G1	27/03/2023	10:45	Buzzard		treelines, cutover bog and dry-humid acid grassland; flying/searching	MS
BZ012	Waterbird Distribution Survey; D1/ Ballymore	18/05/2023	12:30	Buzzard	1	improved agricultural grassland; flying over	FLM
BZ013	Breeding Raptor Survey; rvp6	23/05/2023	07:45	Buzzard	1	improved agricultural grassland; flying over	FLM
BZ014	Breeding Raptor Survey; br5	23/05/2023	10:05	Buzzard	1	exposed sand, gravel or till and improved agricultural grassland; flying over	FLM
BZ015	Waterbird Distribution Survey; lough sewdy	01/08/2023	09:35	Buzzard	1	improved agricultural grassland; flying over	FLM
BZ016	Waterbird Distribution Survey; crush	01/08/2023	11:10	Buzzard	1	improved agricultural grassland and hedgerows; perched	FLM
BZ017	Waterbird Distribution Survey; umma more	23/08/2023	13:00	Buzzard	1	improved agricultural grassland; flying over	FLM
BZ018	Waterbird Distribution Survey; Lough Sewdy	26/09/2023	14:50	Buzzard	1	dystrophic lakes; flying over	FLM
BZ019	Waterbird Distribution Survey; S1-Lough Sewdy	06/04/2023	08:53	Buzzard	1	treelines and amenity grassland (improved); soaring	MS
BZ020	Waterbird Distribution Survey; S1-Lough Sewdy	06/04/2023	09:10	Buzzard	2	treelines and amenity grassland (improved); pair displays	MS
BZ021	Waterbird Distribution Survey; S1-Lough Sewdy	21/04/2023	10:10	Buzzard	1		MS
BZ022	Waterbird Distribution Survey; Lecade	05/12/2023	12:00	Buzzard	1	improved agricultural grassland; flying over	FLM
BZ023	Waterbird Distribution Survey; Umma More	05/12/2023	14:00	Buzzard	1	improved agricultural grassland; flying over	FLM
BZ024	Waterbird Distribution Survey; Ballinlig	31/10/2023	15:19	Buzzard	1	improved agricultural grassland; flying low within farmland	NM



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ025	Waterbird Distribution Survey; Ballynagrenia & Ballinderry Bog	10/10/2023	09:29	Buzzard	1	bogs, scrub/transitional woodland and improved agricultural grassland; soaring and circling high over bog margins and adjacent farmland	NM
BZ026	Waterbird Distribution Survey; Knockastia	10/10/2023	11:38	Buzzard	2	improved agricultural grassland; soaring and circling high above hill	NM
BZ027	Waterbird Distribution Survey; Ballymore	10/10/2023	13:28	Buzzard	1	improved agricultural grassland and linear woodland/scrub; flying across farmland	NM
BZ028	Waterbird Distribution Survey; Ardnacranny	09/11/2023	08:56	Buzzard	1	improved agricultural grassland and hedgerows; soaring and circling high over farmland	NM
BZ029	Waterbird Distribution Survey; Ballymore	09/11/2023	11:09	Buzzard	1	improved agricultural grassland; flying across farmland	NM
BZ030	Waterbird Distribution Survey; Knockastia	09/11/2023	12:20	Buzzard	2	improved agricultural grassland; soaring and circling high over farmland	NM
BZ031	Waterbird Distribution Survey; Ballynagrenia & Ballinderry Bog	09/11/2023	14:31	Buzzard	1	bogs and scrub; commuting high along bog fringes	NM
BZ032	Waterbird Distribution Survey; Umma More	09/11/2023	15:44	Buzzard	1	improved agricultural grassland; flying low across farmland	NM
BZ033	Waterbird Distribution Survey; VP1	29/11/2023	10:11	Buzzard	1	improved agricultural grassland; flying low within farmland	NM
BZ034	Waterbird Distribution Survey; Ardnacranny	29/11/2023	13:27	Buzzard	1	improved agricultural grassland and mixed conifer woodland; soaring over farmland and woodland	NM
BZ035	Waterbird Distribution Survey; Lough Sewdy	05/01/2024	11:12	Buzzard	1	improved agricultural grassland; flying	NM
BZ036	Waterbird Distribution Survey; VP3 area	05/01/2024	14:19	Buzzard	1	improved agricultural grassland and linear woodland/scrub; flying low	NM
BZ037	Waterbird Distribution Survey; Ummabeg	05/01/2024	14:39	Buzzard	1	improved agricultural grassland and linear woodland/scrub; flying low	NM
BZ038	Waterbird Distribution Survey; VP3 area	05/01/2024	14:50	Buzzard	1	improved agricultural grassland and linear woodland/scrub; flying low, perching	NM
BZ039	Vantage Point Survey; VP3 access	11/01/2024	13:51	Buzzard	1	improved agricultural grassland; flying	NM
BZ040	Waterbird Distribution Survey; Toorevagh	30/01/2024	09:03	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland; flying	NM
BZ041	Waterbird Distribution Survey; Mahon Hill	30/01/2024	11:03	Buzzard	1	treelines and improved agricultural grassland; perched, flying	NM
BZ042	Waterbird Distribution Survey; Umma More	30/01/2024	11:45	Buzzard	1	improved agricultural grassland and treelines; perched, flying, calling	NM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ043	Waterbird Distribution Survey; Ballinlig	30/01/2024	12:46	Buzzard	1	bogs and scrub; travelling, calling	NM
BZ044	Waterbird Distribution Survey; Knockastia	30/01/2024	13:21	Buzzard	2	improved agricultural grassland, highly modified/non-native woodland and linear woodland/scrub; soaring	NM
BZ045	Waterbird Distribution Survey; Unma More	30/01/2024	13:57	Buzzard	1	improved agricultural grassland; travelling low	NM
BZ046	Waterbird Distribution Survey; Ballymore	07/02/2024	09:43	Buzzard	1	improved agricultural grassland and scrub; travelling	NM
BZ047	Waterbird Distribution Survey; Ballinlig	07/02/2024	13:10	Buzzard	1	improved agricultural grassland and bogs; travelling, calling	NM
BZ048	Waterbird Distribution Survey; Moyvoughly	07/02/2024	14:25	Buzzard	1	improved agricultural grassland; travelling	NM
BZ049	Waterbird Distribution Survey; Gortmore	21/02/2024	08:54	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland; soaring	NM
BZ050	Waterbird Distribution Survey; Ballynacorra	21/02/2024	09:49	Buzzard	1	improved agricultural grassland, treelines and disturbed ground; departing, travelling, disturbed from perch	NM
BZ051	Waterbird Distribution Survey; Unma More	21/02/2024	10:08	Buzzard	1	improved agricultural grassland and mixed conifer woodland; travelling	NM
BZ052	Waterbird Distribution Survey; Knockastia	21/02/2024	12:07	Buzzard	7	improved agricultural grassland and highly modified/non-native woodland; soaring, circling	NM
BZ053	Waterbird Distribution Survey; Ballinlig	21/02/2024	13:18	Buzzard	1	improved agricultural grassland and linear woodland/scrub; travelling, perching	NM
BZ054	Waterbird Distribution Survey; Ballynagrenia	21/02/2024	15:32	Buzzard	2	improved agricultural grassland, bogs and scrub; soaring	NM
BZ055	Waterbird Distribution Survey; Lecade	12/03/2024	15:34	Buzzard	1	treelines and improved agricultural grassland; perched	NM
BZ056	Waterbird Distribution Survey; Mullaghcloe	27/03/2024	08:03	Buzzard	2	improved agricultural grassland and scrub; soaring, courting	NM
BZ057	Waterbird Distribution Survey; Clare hill	27/03/2024	10:00	Buzzard	3	improved agricultural grassland and scrub; soaring, circling	NM
BZ058	Waterbird Distribution Survey; Knockastia	27/03/2024	11:13	Buzzard	6	improved agricultural grassland; soaring, circling, courting	NM
BZ059	Waterbird Distribution Survey; Moyvoughly	27/03/2024	12:16	Buzzard	1	improved agricultural grassland and linear woodland/scrub; travelling low	NM
BZ060	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	27/03/2024	14:34	Buzzard	2	bogs and scrub; travelling low, perching	NM



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ061	Vantage Point Survey; lisanode	19/06/2024	17:51	Buzzard	1	improved agricultural grassland and cultivated land; soaring, circling	EOB
BZ062	Waterbird Distribution Survey; Moyvoughly	08/04/2024	12:00	Buzzard	1	raised bog and improved agricultural grassland; travelling	FLM
BZ063	Waterbird Distribution Survey; Ballinlig	22/04/2024	14:00	Buzzard	1	cutover bog; flying	FLM
BZ064	Waterbird Distribution and Abundance Survey; G1	04/04/2024	10:30	Buzzard	1	scrub, wet willow-alder-ash woodland and scattered tress and parkland; flying	MS
BZ065	Waterbird Distribution and Abundance Survey; D7	18/04/2024	11:45	Buzzard	1	raised bog, cutover bog and treelines; flying, 15-30m	MS
BZ066	Waterbird Distribution and Abundance Survey; D7	18/04/2024	11:53	Buzzard	1	raised bog, cutover bog and treelines; flying, 20-40m separate bird	MS
BZ067	Waterbird Distribution and Abundance Survey; B2	18/04/2024	12:45	Buzzard	1	raised bog and treelines; soaring, 30m	MS
BZ068	Waterbird Distribution Survey; Dungolman	28/05/2024	09:47	Buzzard	1	improved agricultural grassland and linear woodland/scrub; flushed, travelling low, calling	NM
BZ069	Waterbird Distribution Survey; Umma More	28/05/2024	10:09	Buzzard	2	linear woodland/scrub and improved agricultural grassland; perched, departing, calling	NM
BZ070	Waterbird Distribution Survey; Baskin	28/05/2024	10:22	Buzzard	1	improved agricultural grassland and linear woodland/scrub; soaring, circling	NM
BZ071	Waterbird Distribution Survey; Derrylea	28/05/2024	11:14	Buzzard	1	improved agricultural grassland; travelling	NM
BZ072	Waterbird Distribution Survey; Ballinlig bog	28/05/2024	15:36	Buzzard	1	bogs, scrub and highly modified/non-native woodland; travelling, soaring	NM
BZ073	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	28/05/2024	16:15	Buzzard	2	improved agricultural grassland and highly modified/non-native woodland; soaring	NM
BZ074	Waterbird Distribution Survey; L. Sewdy	03/05/2024	14:47	Buzzard	1	improved agricultural grassland, reed and large sedge swamps and scrub; travelling, calling	NM
BZ075	Waterbird Distribution Survey; Ballinlig	03/05/2024	17:02	Buzzard	1	bogs, scrub and improved agricultural grassland; travelling, calling	NM
BZ076	Waterbird Distribution Survey; Knockastia	03/05/2024	16:49	Buzzard	2	improved agricultural grassland and linear woodland/scrub; soaring, circling	NM
BZ077	Vantage Point Survey; Ballynacorra (VP3 retreat)	20/08/2024	16:44	Buzzard	1	linear woodland/scrub and improved agricultural grassland; flushed, flying, flying along roadway before disappearing into adjacent farmland	NM
BZ078	Waterbird Distribution Survey; Mullenmeehan	13/08/2024	10:03	Buzzard	1	improved agricultural grassland and linear woodland/scrub; travelling	NM

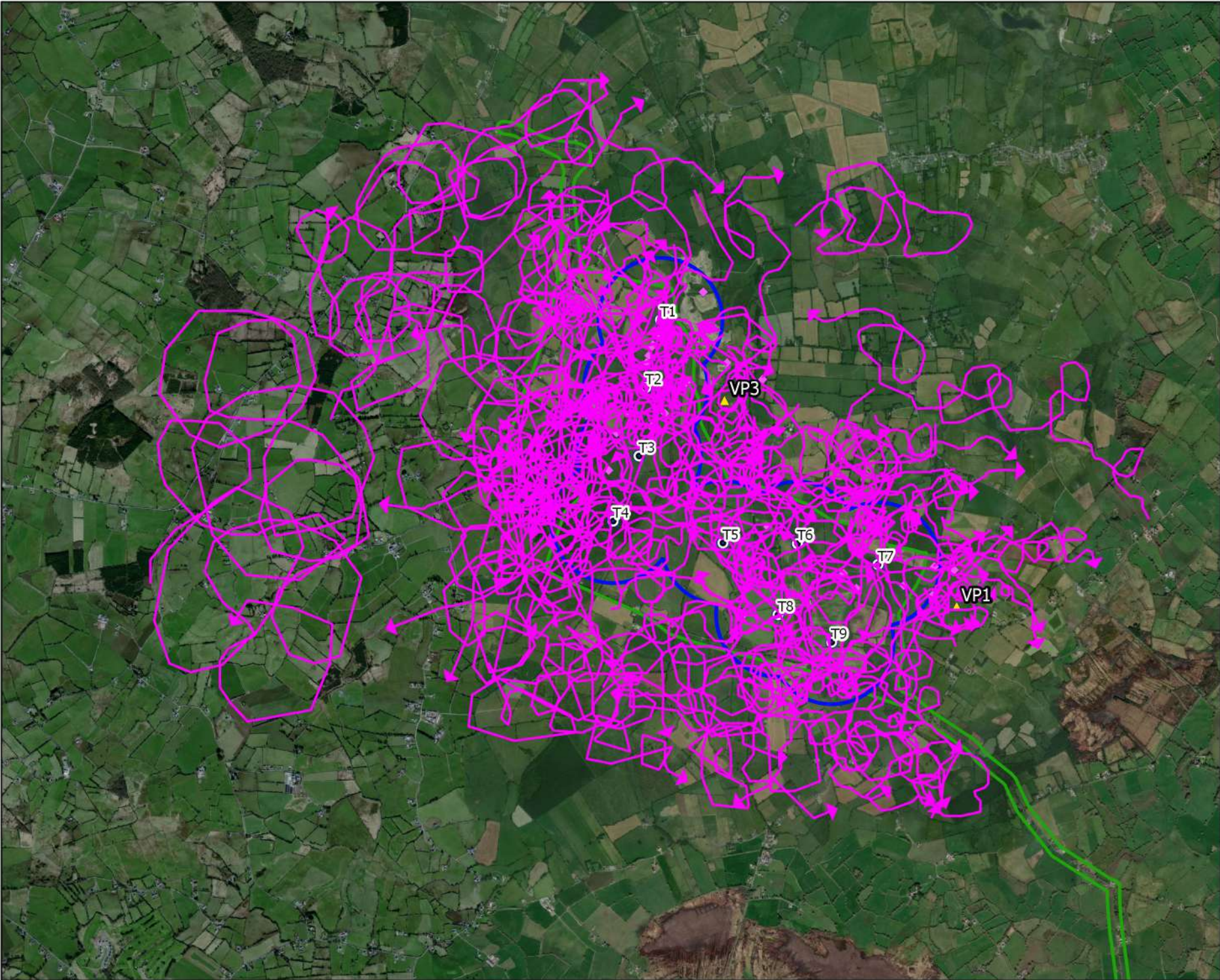
Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ079	Waterbird Distribution Survey; Unma Beg	13/08/2024	11:16	Buzzard	1	improved agricultural grassland and hedgerows; travelling, gliding, perching, low across site	NM
BZ080	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	13/08/2024	12:21	Buzzard	3	bogs, scrub and improved agricultural grassland; soaring high, circling, adults with juvenile	NM
BZ081	Waterbird Distribution Survey; Toorbeg	13/08/2024	12:46	Buzzard	1	improved agricultural grassland, linear woodland/scrub and highly modified/non-native woodland; soaring, circling	NM
BZ082	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	13/08/2024	13:56	Buzzard	1	highly modified/non-native woodland, scrub/transitional woodland and bogs; swooping, calling, adult	NM
BZ083	Waterbird Distribution Survey; Lugacaha	29/08/2024	11:54	Buzzard	2	improved agricultural grassland and scrub; soaring high, circling	NM
BZ084	Waterbird Distribution Survey; Killeenboy	29/08/2024	12:22	Buzzard	1	improved agricultural grassland and linear woodland/scrub; travelling low, calling	NM
BZ085	Waterbird Distribution Survey; Ballinlig	29/08/2024	13:47	Buzzard	1	improved agricultural grassland, scrub and highly modified/non-native woodland; gliding, circling	NM
BZ086	Waterbird Distribution Survey; Ballinacorra (N site)	29/08/2024	15:10	Buzzard	6	improved agricultural grassland, highly modified/non-native woodland and linear woodland/scrub; soaring, circling, calling, high. possible juveniles - not confirmed due to distance	NM
BZ087	Waterbird Distribution Survey; VP3 area	29/08/2024	15:39	Buzzard	2	improved agricultural grassland and linear woodland/scrub; soaring, circling	NM
BZ088	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	29/08/2024	16:54	Buzzard	1	bogs and scrub/transitional woodland; gliding, travelling	NM
BZ089	Breeding Barn Owl Survey; On site (Unma More)	17/05/2024	20:56	Buzzard	1	improved agricultural grassland and linear woodland/scrub; gliding, travelling low	NM
BZ090	Breeding Barn Owl Survey; BOVP2	24/05/2024	20:56	Buzzard	1	improved agricultural grassland and linear woodland/scrub; travelling, calling	NM
BZ091	Breeding Barn Owl Survey; BOVP2	24/05/2024	21:55	Buzzard	1	improved agricultural grassland, highly modified/non-native woodland and linear woodland/scrub; travelling, calling, roosting, appeared to roost in tree cluster - not a sound after disappearing into trees	NM
BZ092	Breeding Barn Owl Survey; Unma More	07/06/2024	21:17	Buzzard	2	improved agricultural grassland and linear woodland/scrub; soaring, circling	NM
BZ093	Breeding Barn Owl Survey; BOVP2	11/06/2024	21:55	Buzzard	2	improved agricultural grassland and treelines; travelling, calling, perching in treelines, but continuing across site at dusk	NM
BZ094	Breeding Barn Owl Survey; BOVP2	11/06/2024	21:06	Buzzard	1	improved agricultural grassland and linear woodland/scrub; travelling, calling	NM
BZ095	Breeding Barn Owl Survey; BOVP2	11/06/2024	21:29	Buzzard	1	improved agricultural grassland and highly modified/non-native woodland; soaring, travelling	NM



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ096	Breeding Barn Owl Survey; BOVP2	26/07/2024	20:41	Buzzard	1	improved agricultural grassland; soaring, circling, soaring for a period (~ 20 mins) - rvp8 area	NM
BZ097	Breeding Barn Owl Survey; BOVP2	26/07/2024	21:26	Buzzard	1	improved agricultural grassland, highly modified/non-native woodland and linear woodland/scrub; travelling low, calling, on site	NM
BZ098	Vantage Point Survey; South of walkover transect	19/10/2022	14:52	Buzzard	1	#N/A	MW
BZ099	Vantage Point Survey; Sninnagorta	12/09/2024	12:45	Buzzard	1	linear woodland/scrub and improved agricultural grassland; perched	NM
BZ100	Waterbird Distribution Survey; s1	08/10/2024	12:41	Buzzard	1	lakes and ponds and improved agricultural grassland; being mobbed by hooded crows	FOD
BZ101	Waterbird Distribution Survey; D7	29/10/2024	12:16	Buzzard	1	improved agricultural grassland; perched	FOD
BZ102	Waterbird Distribution Survey; D3	11/11/2024	13:15	Buzzard	1	improved agricultural grassland and mixed broadleaved/conifer woodland; travelling	DM
BZ103	Waterbird Distribution Survey; Lough Sewdy	11/11/2024	14:30	Buzzard	1	improved agricultural grassland; perched	DM
BZ104	Waterbird Distribution Survey; D3	25/11/2024	13:00	Buzzard	1	improved agricultural grassland; perched	DM
BZ105	Waterbird Distribution Survey; B2	27/03/2023	14:05	Buzzard	1	immature woodland; territory flight, 20m	MS
BZ106	Waterbird Distribution Survey; B2	27/03/2023	14:20	Buzzard	2	treelines; courtship flight and displays, 20-40m	MS
BZ107	Waterbird Distribution Survey; D1	04/12/2024	14:00	Buzzard	1	improved agricultural grassland and mixed broadleaved/conifer woodland; hunting	DM
BZ108	Waterbird Distribution Survey; D3	11/01/2025	12:15	Buzzard	1	improved agricultural grassland and mixed broadleaved/conifer woodland; travelling	DM
BZ109	Waterbird Distribution Survey; D1	11/01/2025	13:00	Buzzard	1	improved agricultural grassland and mixed broadleaved/conifer woodland; perched, in tree	DM
BZ110	Waterbird Distribution Survey; Lough Sewdy S1	11/01/2025	14:00	Buzzard	1	lakes and ponds and improved agricultural grassland; travelling	DM
BZ111	Waterbird Distribution Survey; D3	30/01/2025	13:00	Buzzard	1	depositing/lowland rivers and improved agricultural grassland; hunting	DM
BZ112	Waterbird Distribution Survey; D2	30/01/2025	13:30	Buzzard	1	improved agricultural grassland and mixed broadleaved/conifer woodland; travelling	DM
BZ113	Waterbird Distribution Survey; Lough Sewdy S1	30/01/2025	15:00	Buzzard	1	lakes and ponds and improved agricultural grassland; perched, in tree	DM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ114	Waterbird Distribution Survey; G1	05/02/2025	12:45	Buzzard	1	cutover bog and hedgerows; travelling	SD
BZ115	Waterbird Distribution Survey; G1	19/02/2025	11:39	Buzzard	2	improved agricultural grassland and cutover bog; soaring, travelling, perched	SD
BZ116	Waterbird Distribution Survey; Lough Sewdy	19/02/2025	12:31	Buzzard	1	improved agricultural grassland; perched	SD
BZ117	Waterbird Distribution Survey; D1	19/02/2025	14:13	Buzzard	1	conifer plantation; soaring	SD
BZ118	Waterbird Distribution and Abundance Survey; B3	06/03/2025	11:30	Buzzard	1	cutover bog and mixed broadleaved/conifer woodland; perched, in tree	DM
BZ119	Waterbird Distribution and Abundance Survey; D1	06/03/2025	13:30	Buzzard	1	improved agricultural grassland and mixed broadleaved/conifer woodland; calling	DM





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



Drawing Title  
**Buzzard Vantage Point Survey Observations**

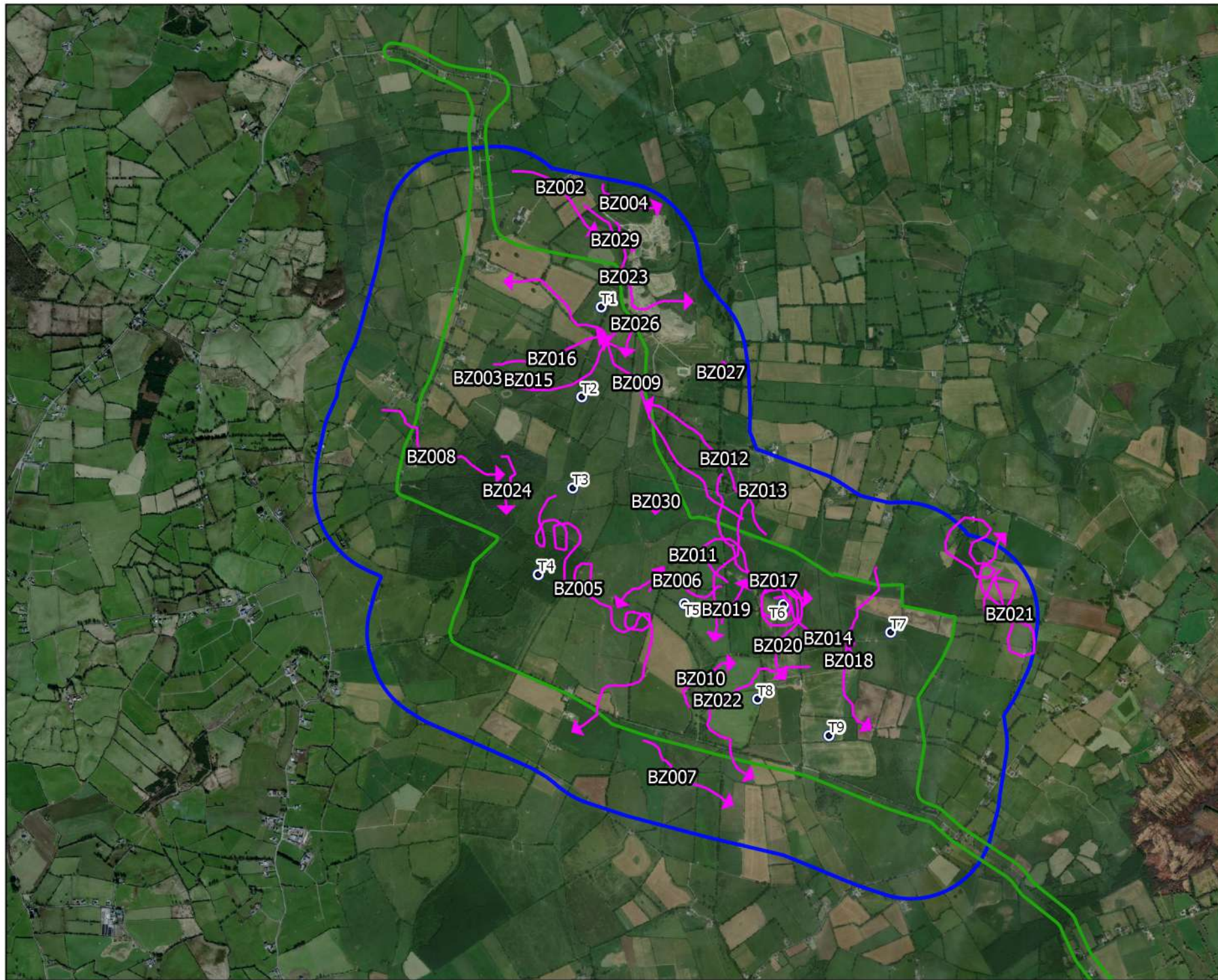
Project Title  
Umma More Renewable Energy Development

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Project No. 201050	Drawing No. Fig. 7-4a-47
Scale 1:40,000	Date 13.06.2025

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#### Map Legend

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



Drawing Title  
**Buzzard Winter Walkover Survey Observations**

Project Title  
**Umma More Renewable Energy Development**

Drawn By  
**KS**

Checked By  
**PC**

Project No.  
**201050**

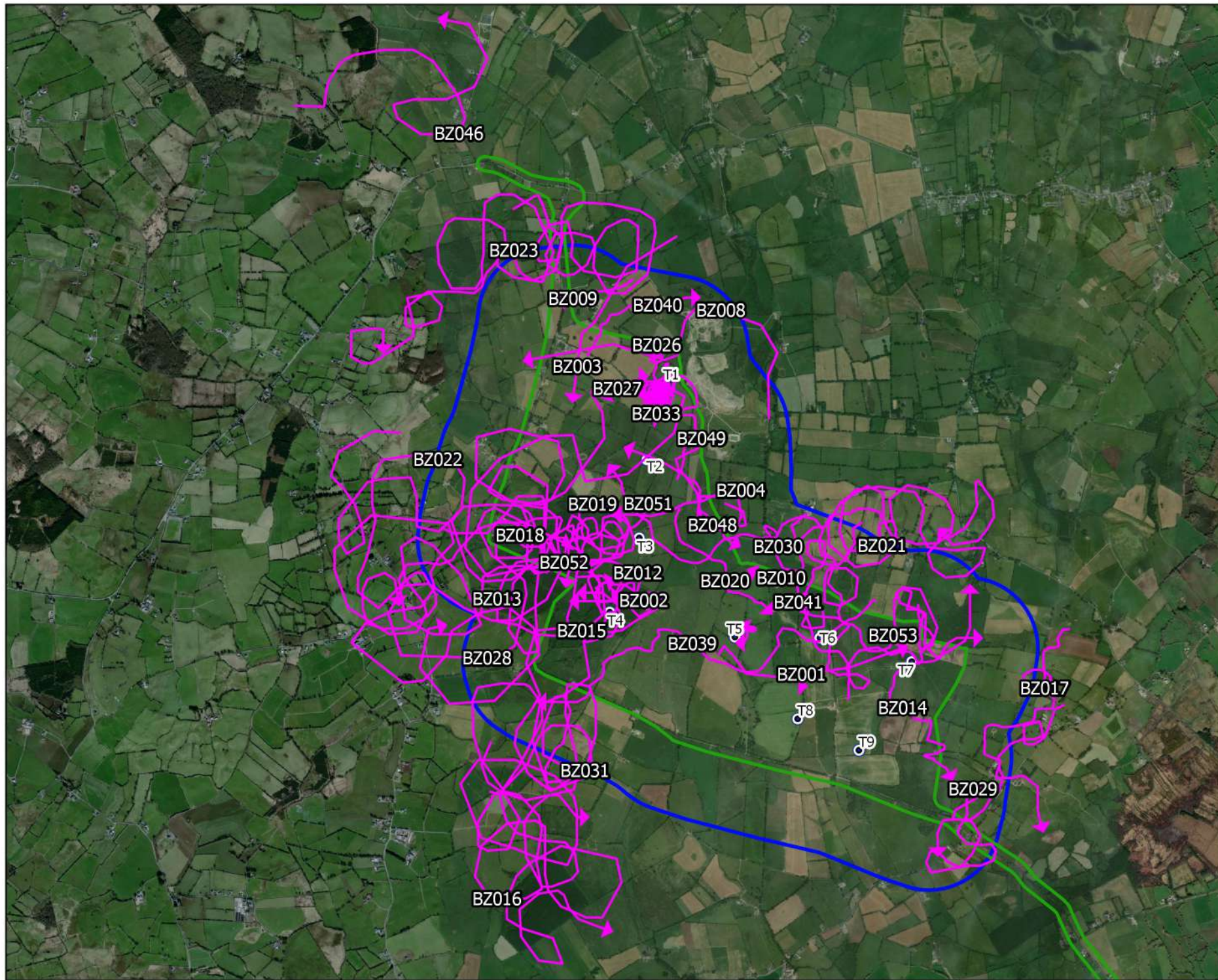
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**Fig. 7-4a-48**

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**13.06.2025**

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# Map Legend

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



Drawing Title:  
Buzzard Breeding Walkover Survey  
Observations

Project Title:  
Umma More Renewable Energy  
Development

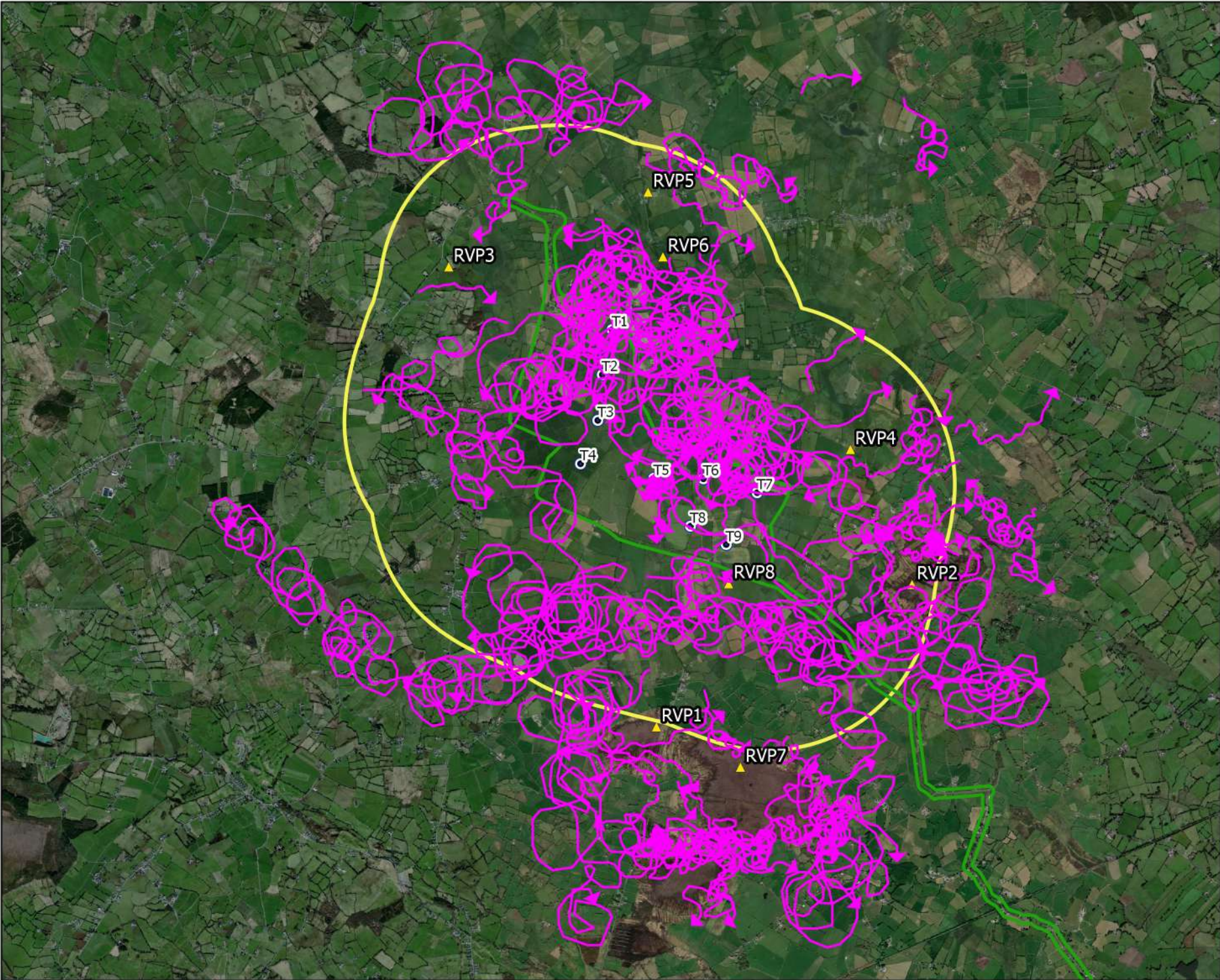
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Project No.: 201050  
Drawing No.: Fig. 7-4a-49

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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 2km Survey Radius
  - RVP Location
  - Flight Observation



Drawing Title  
**Buzzard Breeding Raptor Survey Observations**

Project Title  
**Umma More Renewable Energy Development**

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Project No. <b>201050</b>	Drawing No. <b>Fig. 7-4a-50</b>
Scale <b>1:60,000</b>	Date <b>13.06.2025</b>

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14.

# SPARROWHAWK

Table 7 - 4a - 52 Sparrowhawk Vantage Point Survey

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	25/11/2022	09:12	Sparrowhawk	1	20	20	0	0	0	improved agricultural grassland and scrub; mobbed by corvids	MW
SH002	VP3	10/02/2023	09:33	Sparrowhawk	1	28	0	0	28	0	riparian woodland, amenity grassland (improved) and hedgerows; soaring, 50m	MS
SH003	VP3	10/02/2023	12:04	Sparrowhawk	1	38	18	20	0	0	hedgerows and amenity grassland (improved); flight, 10-20m	MS
SH004	VP3	18/03/2023	17:05	Sparrowhawk	1	24	0	24	0	0	amenity grassland (improved) and treelines; flight, 20m	MS
SH005	VP3	19/07/2023	08:45	Sparrowhawk	1	250	0	0	50	200	mixed conifer woodland and mixed broadleaved/conifer woodland; high soaring, 50-220m	MS
SH006	VP3	19/07/2023	11:03	Sparrowhawk	1	45	0	0	45	0	mixed conifer woodland and mixed broadleaved/conifer woodland; soaring, 100m	MS
SH007	VP3	19/07/2023	12:44	Sparrowhawk	1	330	0	120	210	0	improved agricultural grassland and treelines; soar/dive, 20-100m	MS
SH008	VP1	02/08/2023	10:20	Sparrowhawk	1	12	12	0	0	0	improved agricultural grassland and hedgerows; hunting, chasing mistle thrushes	FLM
SH009	VP1	02/08/2023	10:50	Sparrowhawk	1	72	72	0	0	0	improved agricultural grassland and hedgerows; hunting	FLM
SH010	VP3	03/08/2023	03:45	Sparrowhawk	1	23	5	18	0	0	improved agricultural grassland and hedgerows; hunting	FLM
SH011	VP1	18/09/2023	08:30	Sparrowhawk	1	66	66	0	0	0	improved agricultural grassland and hedgerows; travelling/ perched briefly	FLM
SH012	VP1	18/09/2023	11:30	Sparrowhawk	1	25	25	0	0	0	improved agricultural grassland; female travelling	FLM
SH013	VP1	14/03/2024	10:32	Sparrowhawk	1	540	450	90	0	0	improved agricultural grassland and linear woodland/scrub; travelling, perching intermittently	NM



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
SH014	VP3	26/03/2024	07:47	Sparrowhawk	1	470	390	80	0	0	improved agricultural grassland and hedgerows; hunting, perched, chasing passerines	NM
SH015	VP3	26/03/2024	10:39	Sparrowhawk	1	125	40	85	0	0	improved agricultural grassland and hedgerows; travelling, perched, travelling within farmland, perching briefly	NM
SH016	VP1	09/04/2024	18:40	Sparrowhawk	1	68	5	30	33	0	treelines and improved agricultural grassland; flying, hovering	MS
SH017	VP3	12/04/2024	17:40	Sparrowhawk	1	35	35	0	0	0	hedgerows and improved agricultural grassland; hunting, flying	MS
SH018	VP3	12/09/2024	08:29	Sparrowhawk	1	65	25	40	0	0	improved agricultural grassland and linear woodland/scrub; hunting, travelling, chasing passerines within farmland	NM
SH019	VP1	01/10/2024	16:31	Sparrowhawk	1	42	42	0	0	0	improved agricultural grassland; hunting	FOD
SH020	VP3	02/10/2024	17:15	Sparrowhawk	1	72	2	10	60	0	improved agricultural grassland; being mobbed, mobbed until dropped into trees	FOD
SH021	VP3	18/11/2024	15:23	Sparrowhawk	1	35	20	15	0	0	improved agricultural grassland; travelling, male	DM
SH022	VP3	26/11/2024	12:25	Sparrowhawk	1	60	60	0	0	0	improved agricultural grassland; hunting, female	DM
SH023	VP1	11/02/2025	15:49	Sparrowhawk	1	7	7	0	0	0	improved agricultural grassland and hedgerows; travelling	CC
SH024	vp3	20/03/2025	11:57	Sparrowhawk	1	90	30	60	0	0	improved agricultural grassland; hunting, female	DM

Table 7 - 4a - 53 Sparrowhawk Winter Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SH001	13/12/2022	13:30	T4	Sparrowhawk	1		MW
SH002	13/12/2022	13:45	-	Sparrowhawk	1	improved agricultural grassland and recently-felled woodland; flight (wintering)	MW

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SH003	16/03/2023	10:36	-	Sparrowhawk	1	riparian woodland and amenity grassland (improved); flush/land, 2m (wintering)	MS
SH004	17/10/2023	08:35	-	Sparrowhawk	1	linear woodland/scrub and improved agricultural grassland; disturbed from perch, flying low along hedgerow (wintering)	NM
SH005	21/11/2023	11:27	-	Sparrowhawk	1	improved agricultural grassland and scrub/transitional woodland; flying low across farmland and disappearing into scrubby woodland (wintering)	NM
SH006	17/01/2024	13:32	-	Sparrowhawk	1	improved agricultural grassland and linear woodland/scrub; hunting, perched, female (wintering)	NM
SH007	29/11/2024	13:32	T2	Sparrowhawk	1	improved agricultural grassland and highly modified/non-native woodland; hunting, chasing small passerines, lost within tree cluster (wintering)	NM

Table 7 – 4a - 54 Sparrowhawk Breeding Walkover Survey

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SH001	11/07/2023	08:48	-	Sparrowhawk	1	improved agricultural grassland, treelines and hedgerows; soaring (suitable nesting habitat; possible breeder)	MS
SH002	20/06/2024	13:55	T4	Sparrowhawk	1	improved agricultural grassland, active quarries and mines and spoil and bare ground; hunting (suitable nesting habitat; possible breeder)	EOB

Table 7 – 4a - 55 Sparrowhawk Breeding Raptor Survey

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
SH001	VP8	07/04/2023	13:10	Sparrowhawk	1	amenity grassland (improved) and treelines, soaring high, 50-70m	suitable nesting habitat; possible breeder	MS
SH002	BOVP2	11/04/2024	19:53	Sparrowhawk	1	improved agricultural grassland and treelines, travelling, bovp2	suitable nesting habitat; possible breeder	NM
SH003	BR7 / Ballinderry bog	12/04/2024	13:16	Sparrowhawk	1	scrub and bogs, soaring, descending, mobbed, carrying prey, harassed by passerines. carrying prey - but too early to be for young	suitable nesting habitat; possible breeder	NM
SH004	HHVP2a	30/04/2024	17:35	Sparrowhawk	1	bogs and scrub/transitional woodland, hunting, travelling, hhvp2a	suitable nesting habitat; possible breeder	NM
SH005	BR6	16/05/2024	13:15	Sparrowhawk	1	improved agricultural grassland and linear woodland/scrub, perched, flushed, departing low and rapidly, male	suitable nesting habitat; possible breeder	NM
SH006	BR2	24/05/2024	15:42	Sparrowhawk	1	bogs, scrub/transitional woodland and highly modified/non-native woodland, travelling	suitable nesting habitat; possible breeder	NM



Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
SH007	BR2	21/06/2024	13:13	Sparrowhawk	1	bogs, scrub and highly modified/non-native woodland, perched, flying, flushed from perch, disappearing into woodland	suitable nesting habitat; possible breeder	NM
SH008	Shinglis	31/07/2024	18:57	Sparrowhawk	1	linear woodland/scrub and improved agricultural grassland, flushed, flying, departing low along woodland edge	suitable nesting habitat; possible breeder	NM

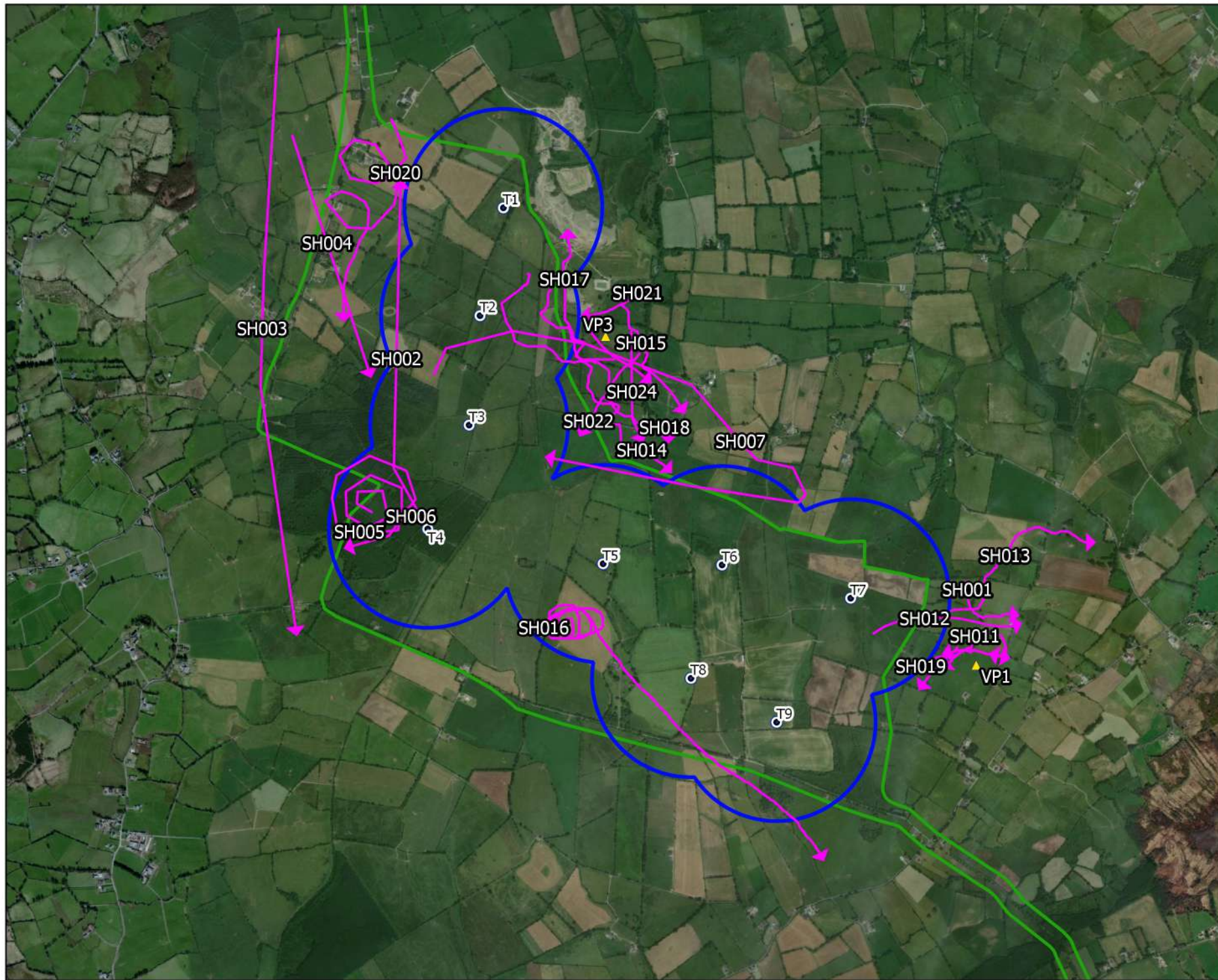
Table 7 - 4a - 56 Sparrowhawk Incidental Records

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SH001	Waterbird Distribution Survey; g1	28/02/2023	12:20	Sparrowhawk	1	cutover bog and wet willow-alder-ash woodland; soaring	MS
SH002	Waterbird Distribution Survey; S1 Ballymore	18/05/2023	10:10	Sparrowhawk	1	improved agricultural grassland, dystrophic lakes and marsh; flying over/ chased by swallows	FLM
SH003	Waterbird Distribution Survey; b1/ moyvoughly	30/05/2023	10:20	Sparrowhawk	1	bog woodland and raised bog; young calling	FLM
SH004	Waterbird Distribution Survey; g1/ ballymore south	30/05/2023	11:00	Sparrowhawk	1	conifer plantation and raised bog; flying from wood to bog, male	FLM
SH005	Waterbird Distribution Survey; lough sewdy	01/08/2023	10:15	Sparrowhawk	4	improved agricultural grassland and hedgerows; flying over, family, flying in and out of roost	FLM
SH006	Waterbird Distribution Survey; ballinderry	23/08/2023	13:30	Sparrowhawk	1	raised bog and hedgerows; travelling	FLM
SH007	Waterbird Distribution Survey; lough sewdy	23/08/2023	14:15	Sparrowhawk	1	marsh and improved agricultural grassland; flying over, interacting with kestrel	FLM
SH008	Waterbird Distribution Survey; S1-Lough Sewdy	06/04/2023	08:32	Sparrowhawk	1	reed and large sedge swamps and wet willow-alder-ash woodland; flight over cattails	MS
SH009	Waterbird Distribution Survey; S1-Lough Sewdy	06/04/2023	09:00	Sparrowhawk	2	treelines and amenity grassland (improved); pair displays	MS
SH010	Waterbird Distribution Survey; Ardnacranny	05/01/2024	11:57	Sparrowhawk	1	improved agricultural grassland and mixed conifer woodland; flying low , within farmland and adjacent forestry	NM
SH011	Waterbird Distribution Survey; VP3 area	05/01/2024	14:15	Sparrowhawk	1	improved agricultural grassland and linear woodland/scrub; flushed	NM
SH012	Waterbird Distribution Survey; Unma More	30/01/2024	10:50	Sparrowhawk	1	treelines and improved agricultural grassland; flushed, flying	NM
SH013	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	21/02/2024	14:55	Sparrowhawk	1	improved agricultural grassland; travelling low	NM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SH014	Vantage Point Survey; Ballynacorra	13/02/2024	12:24	Sparrowhawk	1	linear woodland/scrub and improved agricultural grassland; flushed, travelling low	NM
SH015	Waterbird Distribution Survey; Umma More	27/03/2024	11:42	Sparrowhawk	2	improved agricultural grassland and linear woodland/scrub; displaying, chasing	NM
SH016	Waterbird Distribution Survey; Lough Sewdy	22/04/2024	11:02	Sparrowhawk	1	dystrophic lakes and reed and large sedge swamps; hunting	FLM
SH017	Waterbird Distribution and Abundance Survey; G1	04/04/2024	10:42	Sparrowhawk	1	scrub, wet willow-alder-ash woodland and scattered tress and parkland; flying	MS
SH018	Waterbird Distribution Survey; Dungolman	28/05/2024	09:19	Sparrowhawk	1	improved agricultural grassland, highly modified/non-native woodland and linear woodland/scrub; flying, hunting	NM
SH019	Waterbird Distribution Survey; Ballynagrenia & Ballinderry bogs	28/05/2024	16:49	Sparrowhawk	1	bogs and scrub; hunting, flying low, chasing passerines	NM
SH020	Breeding Barn Owl Survey; Umma More (south RLB)	11/06/2024	20:56	Sparrowhawk	1	improved agricultural grassland and linear woodland/scrub; flushed, travelling low and rapidly	NM
SH021	Vantage Point Survey; South of walkover transect	19/10/2022	14:55	Sparrowhawk	1	#N/A	MW
SH022	Waterbird Distribution Survey; Umma Beg	25/09/2024	13:23	Sparrowhawk	1	improved agricultural grassland; flying, female	FLM
SH023	Vantage Point Survey; Sninnagorta	12/09/2024	12:57	Sparrowhawk	1	improved agricultural grassland and linear woodland/scrub; travelling	NM
SH024	Waterbird Distribution Survey; s1	08/10/2024	12:40	Sparrowhawk	1	lakes and ponds; travelling	FOD
SH025	Waterbird Distribution Survey; D1	25/11/2024	13:40	Sparrowhawk	1	improved agricultural grassland and depositing/lowland rivers; hunting	DM
SH026	Waterbird Distribution Survey; B4	27/03/2023	13:18	Sparrowhawk	1	treelines; flight, 10m	MS
SH027	Waterbird Distribution Survey; B3	21/12/2024	12:30	Sparrowhawk	1	cutover bog and mixed broadleaved/conifer woodland; hunting	DM
SH028	Waterbird Distribution Survey; D3	21/12/2024	13:00	Sparrowhawk	1	improved agricultural grassland and mixed broadleaved/conifer woodland; hunting, female	DM
SH029	Waterbird Distribution Survey; G1	11/01/2025	10:00	Sparrowhawk	1	cutover bog and mixed broadleaved/conifer woodland; hunting, female	DM
SH030	Waterbird Distribution Survey; G1	30/01/2025	10:00	Sparrowhawk	1	cutover bog and mixed broadleaved/conifer woodland; displaying, female	DM
SH031	Waterbird Distribution Survey; Ballinderry Bog	05/02/2025	12:20	Sparrowhawk	1	hedgerows and cutover bog; flushed	SD



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SH032	Waterbird Distribution Survey; G1	19/02/2025	11:40	Sparrowhawk	1	improved agricultural grassland; displaying	SD



# Map Legend

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



Drawing Title

**Sparrowhawk Vantage Point  
Survey Observations**

Project Title

**Umma More Renewable Energy  
Development**

Drawn By

Checked By

KS

PC

Project No.

Drawing No.

201050

Fig. 7-4a-52

Scale

Date

1:25,000

13.06.2025



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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - Flight Observation



Drawing Title  
**Sparrowhawk Winter Walkover  
Survey Observations**

Project Title  
**Umma More Renewable Energy  
Development**

Drawn By <b>KS</b>	Checked By <b>PC</b>
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Project No. <b>201050</b>	Drawing No. <b>Fig. 7-4a-53</b>
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Scale <b>1:30,000</b>	Date <b>13.06.2025</b>
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- Map Legend
- EIA Site Boundary
  - Proposed Turbine Layout
  - 500m Radius of Turbines
  - Flight Observation



Drawing Title Sparrowhawk Breeding Walkover Survey Observations	
Project Title Umma More Renewable Energy Development	
Drawn By KS	Checked By PC
Project No. 201050	Drawing No. Fig. 7-4a-54
Scale 1:30,000	Date 13.06.2025
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- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - 2km Survey Radius
  - ▲ RVP Location
  - ➔ Flight Observation



Drawing Title	
Sparrowhawk Breeding Raptor Survey Observations	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-55
Scale	Date
1:50,000	13.06.2025
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15.

## HEN HARRIER

Table 7 - 4a - 57 Hen Harrier Vantage Point Survey

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	20/10/2022	13:42	Hen Harrier	1	440	15	45	320	60	improved agricultural grassland; soaring, circling. low first, then progressively higher, majority of estimated flight time behind viewshed, however start of observed flight coming from a position well within the viewshed.	MW



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



Drawing Title	
Hen Harrier Vantage Point Survey Observations	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-57
Scale	Date
1:25,000	13.06.2025
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16.

## BARN OWL

Table 7 - 4a - 58 Barn Owl Incidental Records

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BO001	Vantage Point Survey; Toorevagh	11/01/2024	14:40	Barn Owl	1	improved agricultural grassland; flying	NM





- Map Legend
- EIAR Site Boundary
  - Proposed Turbine Layout
  - Flight Observation



Drawing Title	
Barn Owl Incidental Records	
Project Title	
Umma More Renewable Energy Development	
Drawn By	Checked By
KS	PC
Project No.	Drawing No.
201050	Fig. 7-4a-58
Scale	Date
1:65,000	13.06.2025
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