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APPENDIX 7-4

SURVEY DATA

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Table of Contents

1.	GOLDEN PLOVER.....	1
2.	KINGFISHER.....	5
3.	LITTLE EGRET.....	8
4.	PEREGRINE	14
5.	MERLIN	19
6.	WHOOPER SWAN	21
7.	CURLEW	29
8.	KESTREL.....	30
9.	LAPWING.....	43
10.	SNIPE	46
11.	WOODCOCK	53
12.	BUZZARD.....	55
13.	SPARROWHAWK.....	75
14.	GREY WAGTAIL.....	82
15.	MEADOW PIPIT	90
16.	REDWING	96
17.	STOCK DOVE	100
18.	YELLOWHAMMER.....	102

Table of Tables

Table 7 - 4 - 1 Golden Plover Vantage Point Survey data.....	1
Table 7 - 4 - 2 Golden Plover Waterbird Distribution and Abundance Survey data.....	1
Table 7 - 4 - 3 Kingfisher Breeding Kingfisher Survey data.....	5
Table 7 - 4 - 4 Kingfisher Waterbird Distribution and Abundance Survey data.....	5
Table 7 - 4 - 5 Little Egret Vantage Point Survey data.....	8
Table 7 - 4 - 6 Little Egret Winter Walkover Survey data.....	8
Table 7 - 4 - 7 Little Egret Waterbird Distribution and Abundance Survey data.....	8
Table 7 - 4 - 8 Peregrine Vantage Point Survey data.....	14
Table 7 - 4 - 9 Peregrine Breeding Walkover Survey data.....	14
Table 7 - 4 - 10 Peregrine Breeding Raptor Survey data.....	14
Table 7 - 4 - 11 Merlin Incidental Survey data.....	19
Table 7 - 4 - 12 Whooper Swan Vantage Point Survey data.....	21
Table 7 - 4 - 13 Whooper Swan Winter Walkover Survey data.....	21
Table 7 - 4 - 14 Whooper Swan Waterbird Distribution and Abundance Survey data.....	21
Table 7 - 4 - 15 Whooper Swan Incidental Survey data.....	24
Table 7 - 4 - 16 Curlew Waterbird Distribution and Abundance Survey data.....	29
Table 7 - 4 - 17 Kestrel Vantage Point Survey data.....	30
Table 7 - 4 - 18 Kestrel Breeding Walkover Survey data.....	33
Table 7 - 4 - 19 Kestrel Breeding Raptor Survey data.....	34
Table 7 - 4 - 20 Kestrel Winter Walkover Survey data.....	35
Table 7 - 4 - 21 Kestrel Incidental Survey data.....	37
Table 7 - 4 - 22 Lapwing Waterbird Distribution and Abundance Survey data.....	43
Table 7 - 4 - 23 Snipe Vantage Point Survey data.....	46
Table 7 - 4 - 24 Snipe Breeding Walkover Survey data.....	46
Table 7 - 4 - 25 Snipe Winter Walkover Survey data.....	46
Table 7 - 4 - 26 Snipe Waterbird Distribution and Abundance data.....	47
Table 7 - 4 - 27 Woodcock Winter Walkover Survey data.....	53
Table 7 - 4 - 28 Buzzard Vantage Point Survey data.....	55
Table 7 - 4 - 29 Buzzard Breeding Walkover Survey data.....	62
Table 7 - 4 - 30 Buzzard Breeding Raptor Survey data.....	63
Table 7 - 4 - 31 Buzzard Winter Walkover Survey data.....	67
Table 7 - 4 - 32 Buzzard Incidental Survey data.....	68
Table 7 - 4 - 33 Sparrowhawk Vantage Point Survey data.....	75
Table 7 - 4 - 34 Sparrowhawk Breeding Walkover Survey data.....	75
Table 7 - 4 - 35 Sparrowhawk Breeding Raptor Survey data.....	76
Table 7 - 4 - 36 Sparrowhawk Winter Walkover Survey data.....	76
Table 7 - 4 - 37 Sparrowhawk Incidental Survey data.....	76
Table 7 - 4 - 38 Grey Wagtail Vantage Point Survey data.....	82
Table 7 - 4 - 39 Grey Wagtail Breeding Walkover Survey data.....	82

RECEIVED: 09/07/2023

Table 7 - 4 - 40 Grey Wagtail Winter Walkover Survey data.....	82
Table 7 - 4 - 41 Grey Wagtail Waterbird Distribution and Abundance Survey data.....	82
Table 7 - 4 - 42 Grey Wagtail Incidental Survey data.....	84
Table 7 - 4 - 43 Meadow Pipit Vantage Point Survey data.....	90
Table 7 - 4 - 44 Meadow Pipit Breeding Walkover Survey data.....	90
Table 7 - 4 - 45 Meadow Pipit Winter Walkover Survey data.....	90
Table 7 - 4 - 46 Meadow Pipit Incidental Survey data.....	91
Table 7 - 4 - 47 Redwing Vantage Point Survey data.....	96
Table 7 - 4 - 48 Redwing Winter Walkover Survey data.....	97
Table 7 - 4 - 49 Stock Dove Vantage Point Survey data.....	100
Table 7 - 4 - 50 Yellowhammer Incidental Survey data.....	102

RECEIVED: 09/07/2025

Table of Figures

Figure 7 - 4 - 1 Golden Plover Vantage Point Survey map.....	3
Figure 7 - 4 - 2 Golden Plover Waterbird Distribution and Abundance Survey map.....	4
Figure 7 - 4 - 3 Kingfisher Breeding Kingfisher Survey map.....	6
Figure 7 - 4 - 4 Kingfisher Waterbird Distribution and Abundance Survey map.....	7
Figure 7 - 4 - 5 Little Egret Vantage Point Survey map.....	11
Figure 7 - 4 - 6 Little Egret Winter Walkover Survey map.....	12
Figure 7 - 4 - 7 Little Egret Waterbird Distribution and Abundance Survey map.....	13
Figure 7 - 4 - 8 Peregrine Vantage Point Survey map.....	16
Figure 7 - 4 - 9 Peregrine Breeding Walkover Survey map.....	17
Figure 7 - 4 - 10 Peregrine Breeding Raptor Survey map.....	18
Figure 7 - 4 - 11 Merlin Incidental Survey map.....	20
Figure 7 - 4 - 12 Whooper Swan Vantage Point Survey map.....	25
Figure 7 - 4 - 13 Whooper Swan Winter Walkover Survey map.....	26
Figure 7 - 4 - 14 Whooper Swan Waterbird Distribution and Abundance Survey map.....	27
Figure 7 - 4 - 15 Whooper Swan Incidental Survey map.....	28
Figure 7 - 4 - 16 Kestrel Vantage Point Survey map.....	38
Figure 7 - 4 - 17 Kestrel Breeding Walkover Survey map.....	39
Figure 7 - 4 - 18 Kestrel Breeding Raptor Survey map.....	40
Figure 7 - 4 - 19 Kestrel Winter Walkover Survey map.....	41
Figure 7 - 4 - 20 Kestrel Incidental Survey map.....	42
Figure 7 - 4 - 21 Lapwing Waterbird Distribution and Abundance Survey map.....	45
Figure 7 - 4 - 22 Snipe Vantage Point Survey map.....	49
Figure 7 - 4 - 23 Snipe Breeding Walkover Survey map.....	50
Figure 7 - 4 - 24 Snipe Winter Walkover Survey map.....	51
Figure 7 - 4 - 25 Snipe Waterbird Distribution and Abundance map.....	52
Figure 7 - 4 - 26 Woodcock Winter Walkover Survey map.....	54
Figure 7 - 4 - 27 Buzzard Vantage Point Survey map.....	70
Figure 7 - 4 - 28 Buzzard Breeding Walkover Survey map.....	71
Figure 7 - 4 - 29 Buzzard Breeding Raptor Survey map.....	72
Figure 7 - 4 - 30 Buzzard Winter Walkover Survey map.....	73
Figure 7 - 4 - 31 Buzzard Incidental Survey map.....	74
Figure 7 - 4 - 32 Sparrowhawk Vantage Point Survey map.....	77
Figure 7 - 4 - 33 Sparrowhawk Breeding Walkover Survey map.....	78
Figure 7 - 4 - 34 Sparrowhawk Breeding Raptor Survey map.....	79
Figure 7 - 4 - 35 Sparrowhawk Winter Walkover Survey map.....	80
Figure 7 - 4 - 36 Sparrowhawk Incidental Survey map.....	81
Figure 7 - 4 - 37 Grey Wagtail Vantage Point Survey map.....	85
Figure 7 - 4 - 38 Grey Wagtail Breeding Walkover Survey map.....	86
Figure 7 - 4 - 39 Grey Wagtail Winter Walkover Survey map.....	87

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Figure 7 - 4 - 40 Grey Wagtail Waterbird Distribution and Abundance Survey map.....	88
Figure 7 - 4 - 41 Grey Wagtail Incidental Survey map.....	89
Figure 7 - 4 - 42 Meadow Pipit Vantage Point Survey map.....	92
Figure 7 - 4 - 43 Meadow Pipit Breeding Walkover Survey map.....	93
Figure 7 - 4 - 44 Meadow Pipit Winter Walkover Survey map.....	94
Figure 7 - 4 - 45 Meadow Pipit Incidental Survey map.....	95
Figure 7 - 4 - 46 Redwing Vantage Point Survey map.....	98
Figure 7 - 4 - 47 Redwing Winter Walkover Survey map.....	99
Figure 7 - 4 - 48 Stock Dover Vantage Point Survey map.....	101
Figure 7 - 4 - 49 Yellowhammer Incidental Survey map.....	103

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1.

GOLDEN PLOVER

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

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
GP001	VP1	28/10/2021	18:12	Golden Plover	1	-	-	-	-	-	improved agricultural grassland; landed, heard flying, then calling next few mins but must have landed on site in dusk	AM
GP002	VP1	15/11/2021	16:44	Golden Plover	1	-	-	-	-	-	improved agricultural grassland; flying, heard calling in flight but not seen	AM
GP003	VP1	17/01/2022	17:02	Golden Plover	1	-	-	-	-	-	improved agricultural grassland; flying, heard flying over calling but not seen	AM
GP004	VP1	22/10/2022	09:06	Golden Plover	130	86	0	0	86	0	improved agricultural grassland; flying, 100m	KW
GP005	VP1	08/11/2022	16:59	Golden Plover	3	239	0	0	239	0	improved agricultural grassland; flying, adult	KW
GP006	VP1	03/04/2023	08:11	Golden Plover	65	95	0	0	95	0	improved agricultural grassland and mixed broadleaved/conifer woodland; flying, flock of 65 golden plover flying over	TK

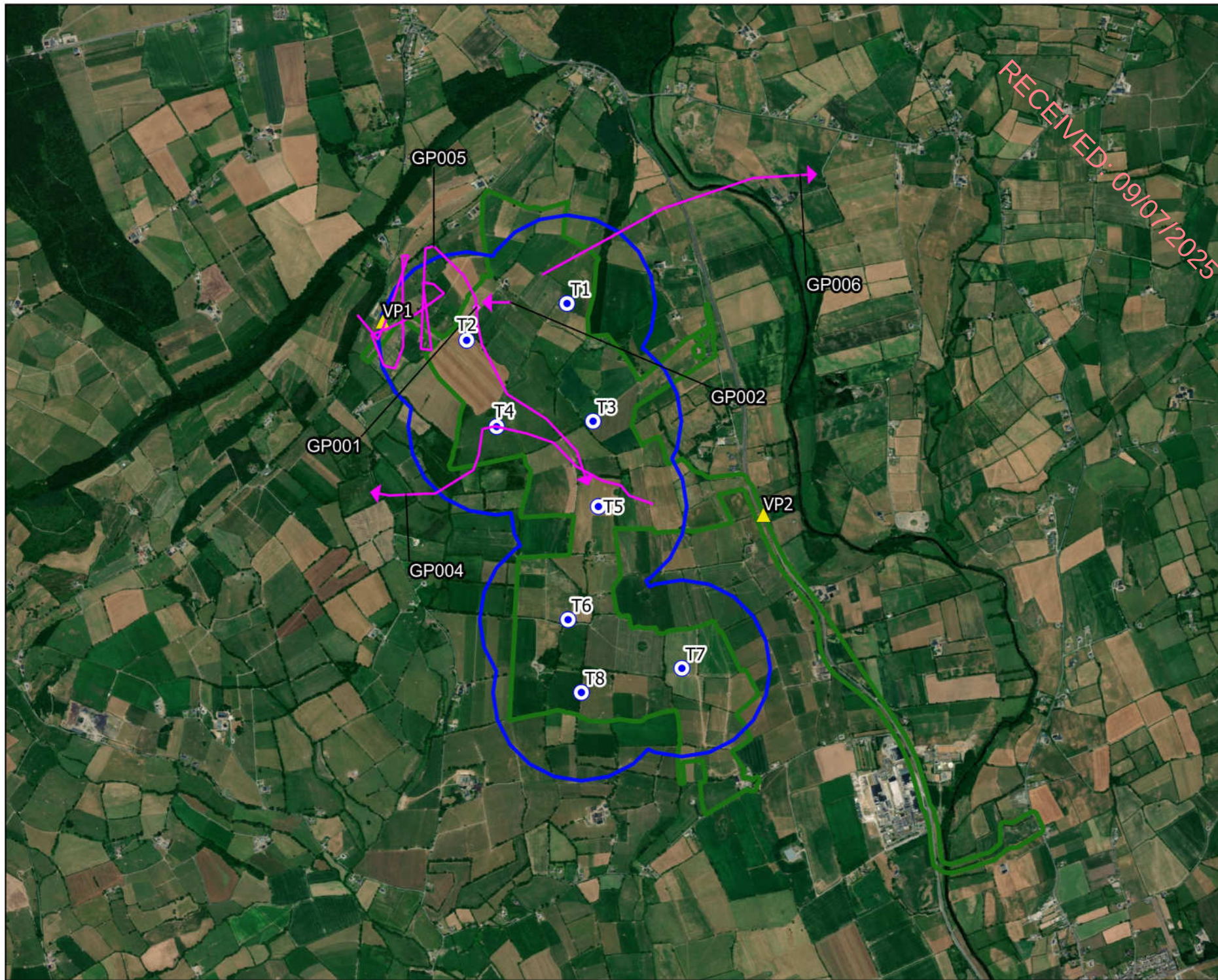
Table 7 - 4 - 2 Golden Plover Waterbird Distribution and Abundance Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GP001	Durrow Curragh	01/11/2021	16:05	Golden Plover	140	improved agricultural grassland and depositing/lowland rivers; flying, flock flying very high west calling	AM
GP002	Durrow Curragh	01/11/2021	16:14	Golden Plover	80	improved agricultural grassland and depositing/lowland rivers; flying, flock north over wooden bridge	AM
GP003	Black Island	09/12/2021	10:35	Golden Plover	380	improved agricultural grassland and depositing/lowland rivers; flying, landed, 230 in flight, 150 on ground	AM
GP004	Black Island	03/01/2022	10:30	Golden Plover	10	improved agricultural grassland; roosting, in flooded field	AM
GP005	Durrow Curragh	19/01/2022	09:50	Golden Plover	75	depositing/lowland rivers and improved agricultural grassland; flying, flying west of bridge	AM
GP006	Erkina floodland	10/12/2022	14:27	Golden Plover	12	wet grassland; foraging	KW
GP007	River Nore	23/12/2022	09:11	Golden Plover	450	improved agricultural grassland; flying	KW
GP008	Erkina floodland	23/12/2022	14:09	Golden Plover	120	wet grassland; roosting	KW
GP009	River Nore	11/01/2023	09:56	Golden Plover	240	improved agricultural grassland; roosting	KW
GP010	Erkina floodland	11/01/2023	13:43	Golden Plover	50	wet grassland; flying	KW



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GP011	River Nore	23/01/2023	10:12	Golden Plover	22	improved agricultural grassland; flying	KW

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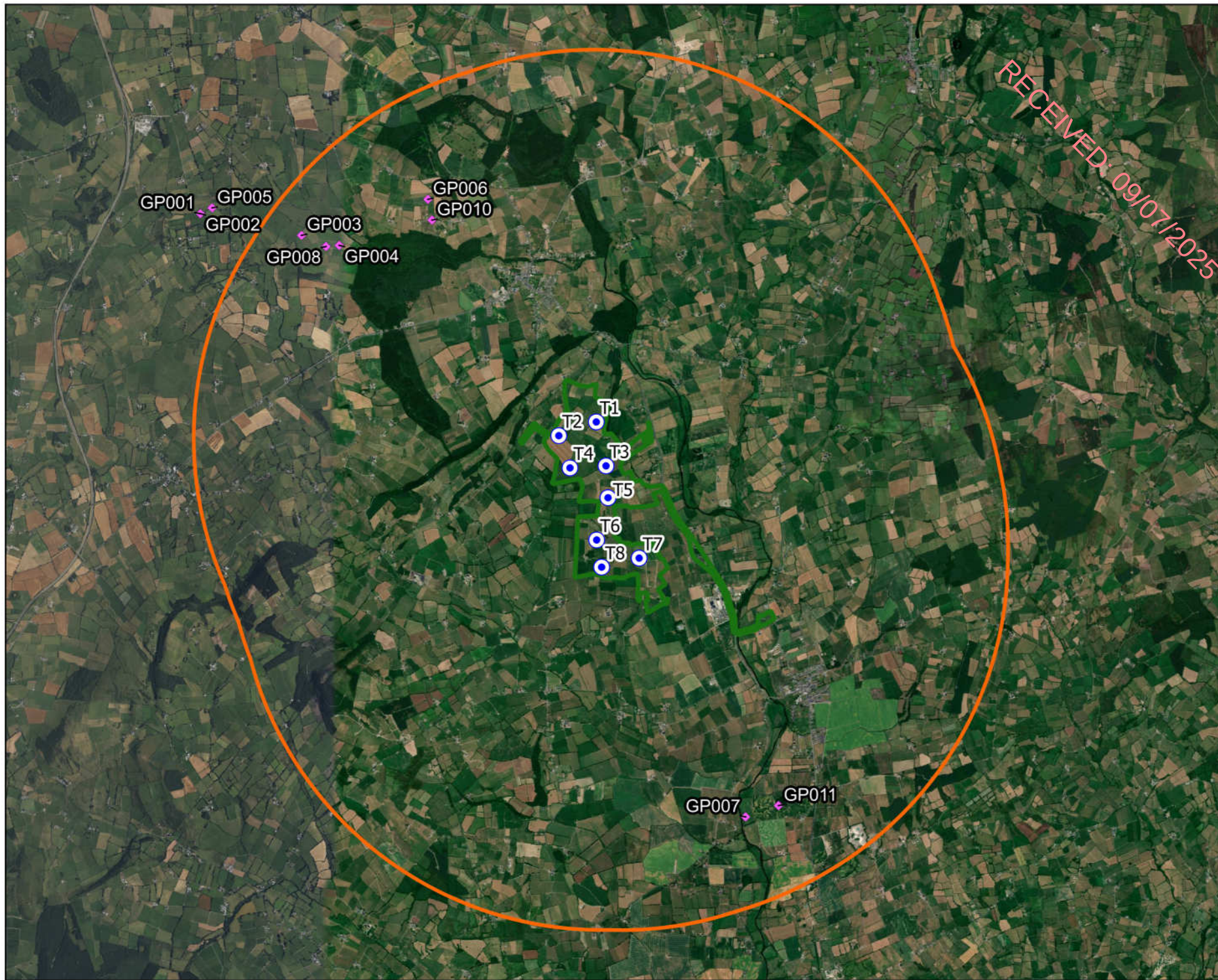


Map Legend

- Proposed Development
- Proposed Turbine Layout
- 500m Buffer of Proposed Turbine Layout
- Vantage Point Location
- Flight Observation
- Non-flight Observation



Drawing Title	
Vantage Point Survey Golden Plover Observations	
Project Title	
Seskin Renewables Wind Farm	
Drawn By	Checked By
NL	PM
Project No.	Drawing No.
231103	Fig. 7.4.1
Scale	Date
1:28,000	17/06/2025
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Map Legend

- Proposed Development
- Survey Area
- Proposed Turbine Layout
- Observation

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N
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Z

Drawing Title
Waterbird Distribution and Abundance Survey
Golden Plover

Project Title
Seskin Renewables Wind Farm

Drawn By NL	Checked By PM
Project No. 231103	Drawing No. Fig. 7.4.2
Scale 1:75,000	Date 17/06/2025

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2.

KINGFISHER

Table 7 - 4 - 3 Kingfisher Breeding Kingfisher Survey data

Ref.	Location	Date	Time	Observation	Habitat	Surveyor
KF002	River Nore	24/04/2023	10:12	Kingfisher; kingfisher in flight upstream	scrub; suitable feeding section of river, overhanging branches and slow moving river.	TK
KF0019	River Nore	23/05/2023	15:33	Kingfisher; at least 1 adult calling upstream	wet grassland; banks mostly thick with tree cover so difficult to access and assess suitability	AM

Table 7 - 4 - 4 Kingfisher Waterbird Distribution and Abundance Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
KF001	Ballyragget	19/04/2022	11:45	Kingfisher	1	depositing/lowland rivers; travelling	CB
KF002	Watercastle Bridge	25/04/2022	15:13	Kingfisher	1	depositing/lowland rivers; travelling	CB



Map Legend

-  Proposed Development
-  Proposed Turbine Layout
-  Transect
-  Observation



Drawing Title

Breeding Kingfisher Survey
Kingfisher Observations

Project Title

Seskin Renewables Wind Farm

Drawn By

NL

Checked By

PM

Project No.

231103

Drawing No.

Fig. 7.4.3

Scale

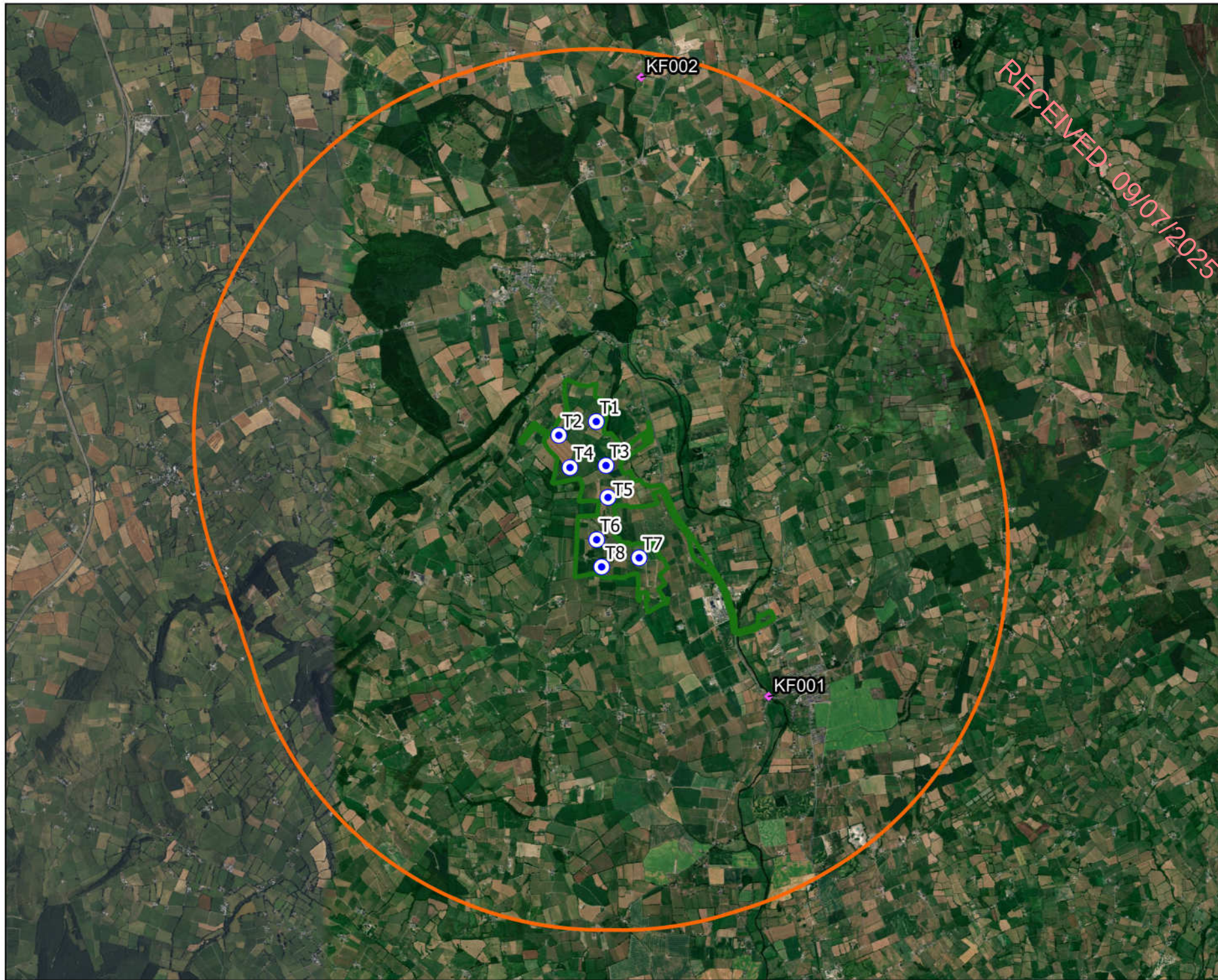
1:30,000

Date

17/06/2025



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Map Legend

-  Proposed Development
-  Survey Area
-  Proposed Turbine Layout
-  Observation



Drawing Title	
Waterbird Distribution and Abundance Survey Kingfisher	
Project Title	
Seskin Renewables Wind Farm	
Drawn By	Checked By
NL	PM
Project No.	Drawing No.
231103	Fig. 7.4.4
Scale	Date
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3.

LITTLE EGRET

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

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
ET001	VP1	08/11/2022	16:07	Little Egret	1	21	0	21	0	0	depositing/lowland rivers; flying	KW
ET002	VP1	20/03/2023	13:18	Little Egret	2	169	0	84	85	0	improved agricultural grassland; flying	KW
ET003	VP1	12/06/2023	15:19	Little Egret	1	28	0	0	28	0	treelines; flying, soaring with buzzard pair. some antagonistic behaviour from buzzard - both birds high & away	KW

Table 7 - 4 - 6 Little Egret Winter Walkover Survey data

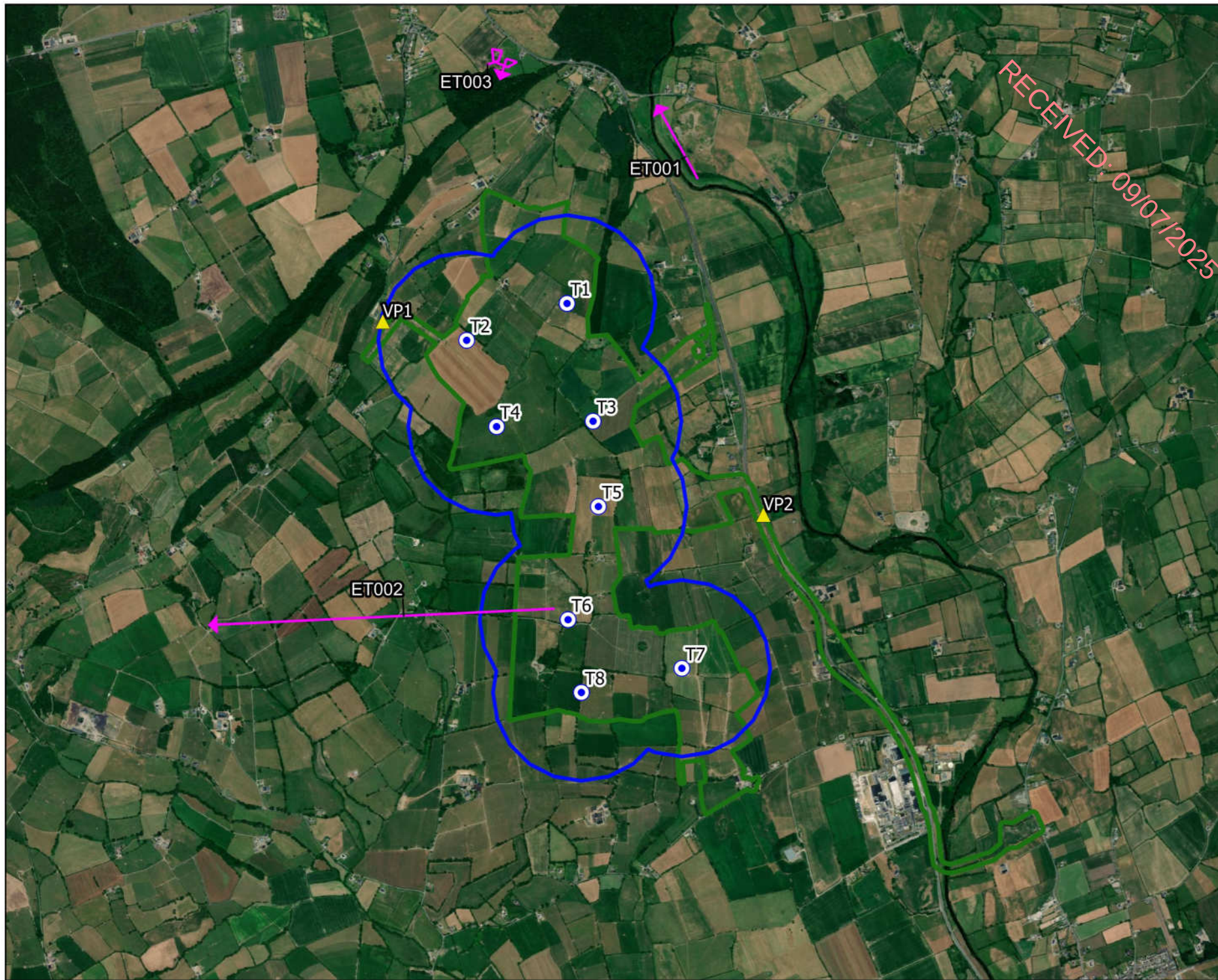
Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
ET001	26/10/2022	09:30	-	Little Egret	1	wet grassland; foraging	KW
ET002	26/10/2022	10:30	-	Little Egret	6	wet grassland; foraging	KW

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

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ET001	Black Island	01/11/2021	15:39	Little Egret	3	improved agricultural grassland and depositing/lowland rivers; flying, 1 flew in later joined by 2 others	AM
ET002	Durrow Curragh	01/11/2021	16:23	Little Egret	1	improved agricultural grassland and depositing/lowland rivers; flying, little egret in near wooden bridge	AM
ET003	Durrow Curragh	09/12/2021	09:15	Little Egret	2	improved agricultural grassland and depositing/lowland rivers; foraging, in flooded fields west of bridge	AM
ET004	River Nore	09/12/2021	12:07	Little Egret	1	depositing/lowland rivers and improved agricultural grassland; flying, up from river, flew upstream, later flushed from pool on way back	AM
ET005	Tallyho Bridge	09/12/2021	13:30	Little Egret	1	depositing/lowland rivers and improved agricultural grassland; foraging, in pool in flooded field south of bridge	AM
ET006	Durrow Curragh	09/12/2021	16:15	Little Egret	4	improved agricultural grassland and depositing/lowland rivers; foraging, in flooded fields west of bridge	AM
ET007	Durrow Curragh	20/12/2021	09:05	Little Egret	2	improved agricultural grassland and depositing/lowland rivers; foraging, in flooded fields west of bridge	AM
ET008	Black Island	20/12/2021	09:45	Little Egret	1	improved agricultural grassland; foraging, east of wooden bridge	AM
ET009	Tallyho Bridge	20/12/2021	11:45	Little Egret	1	depositing/lowland rivers and improved agricultural grassland; foraging, in pool in flooded field south of bridge	AM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ET010	Durrow Curragh	20/12/2021	14:55	Little Egret	2	improved agricultural grassland and depositing/lowland rivers; foraging, in flooded fields west of bridge	AM
ET011	Black Island	20/12/2021	15:15	Little Egret	2	improved agricultural grassland and depositing/lowland rivers; foraging, east of wooden bridge	AM
ET012	Durrow Curragh	03/01/2022	09:10	Little Egret	3	improved agricultural grassland; foraging, in flooded field	AM
ET013	Tallyho Bridge	03/01/2022	13:50	Little Egret	2	improved agricultural grassland and depositing/lowland rivers; foraging, in flooded field	AM
ET014	Durrow Curragh	08/02/2022	09:15	Little Egret	1	depositing/lowland rivers and improved agricultural grassland; standing alert, to west of bridge	AM
ET015	Tallyho Bridge	08/02/2022	12:50	Little Egret	8	depositing/lowland rivers and improved agricultural grassland; foraging, in flooded field	AM
ET016	Durrow Curragh	22/02/2022	09:05	Little Egret	1	improved agricultural grassland and depositing/lowland rivers; foraging, on edge of flooded field west of wooden bridge	AM
ET017	Durrow Curragh	02/03/2022	09:15	Little Egret	1	depositing/lowland rivers and improved agricultural grassland; standing alert, on riverbank	AM
ET018	Durrow Curragh	02/03/2022	15:10	Little Egret	2	depositing/lowland rivers and improved agricultural grassland; foraging, in flooded fields	AM
ET019	Durrow Curragh	31/03/2022	09:15	Little Egret	1	depositing/lowland rivers and improved agricultural grassland; foraging, by river upstream on bridge	AM
ET020	Tallyho Bridge	31/03/2022	13:30	Little Egret	1	improved agricultural grassland and depositing/lowland rivers; flying, flushed from remnant of flood in field by river	AM
ET021	Tallyho Bridge	06/09/2022	12:14	Little Egret	1	improved agricultural grassland and watercourses; flushed	JQ
ET022	River Nore	15/10/2022	10:03	Little Egret	1	wet grassland; foraging	KW
ET023	River Nore	15/10/2022	15:12	Little Egret	4	depositing/lowland rivers; foraging	KW
ET024	River Nore	29/10/2022	10:18	Little Egret	2	depositing/lowland rivers; roosting	KW
ET025	River Nore	29/10/2022	11:22	Little Egret	1	improved agricultural grassland; foraging	KW
ET026	Durrow	29/10/2022	11:42	Little Egret	3	improved agricultural grassland; foraging	KW
ET027	O'sullivan's Island	29/10/2022	13:37	Little Egret	3	wet grassland; foraging	KW
ET028	River Nore	12/11/2022	07:32	Little Egret	10	depositing/lowland rivers; roosting	KW
ET029	River Nore	12/11/2022	10:30	Little Egret	6	depositing/lowland rivers; foraging	KW
ET030	River Nore	12/11/2022	11:05	Little Egret	1	depositing/lowland rivers; foraging	KW
ET031	Castle Durrow Demesne	29/11/2022	14:48	Little Egret	5	wet grassland; foraging	KW
ET032	River Nore	10/12/2022	13:37	Little Egret	2	depositing/lowland rivers; foraging	KW
ET033	River Nore	23/12/2022	11:29	Little Egret	1	wet grassland; foraging	KW

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ET034	Erkina floodland	23/12/2022	13:59	Little Egret	2	wet grassland; foraging	KW
ET035	River Nore	11/01/2023	09:36	Little Egret	1	improved agricultural grassland; foraging	KW
ET036	River Nore	11/01/2023	12:36	Little Egret	1	improved agricultural grassland; foraging	KW
ET037	Erkina floodland	11/01/2023	13:49	Little Egret	4	wet grassland; foraging	KW
ET038	River Nore	23/01/2023	13:38	Little Egret	3	improved agricultural grassland; foraging	KW
ET039	River Nore	23/01/2023	14:00	Little Egret	4	improved agricultural grassland; foraging	KW
ET040	River Nore	11/02/2023	09:12	Little Egret	1	wet grassland; foraging	KW
ET041	River Nore	11/02/2023	09:16	Little Egret	1	wet grassland; foraging	KW
ET042	River Nore	11/02/2023	10:31	Little Egret	9	wet grassland; foraging	KW
ET043	River Nore	11/02/2023	12:18	Little Egret	2	wet grassland; foraging	KW
ET044	River Nore	22/02/2023	12:08	Little Egret	6	wet grassland; foraging	KW
ET045	River Nore	13/03/2023	10:16	Little Egret	1	wet grassland; foraging	KW
ET046	River Nore	13/03/2023	11:31	Little Egret	1	wet grassland; foraging	KW
ET047	River Nore	13/03/2023	13:49	Little Egret	4	wet grassland; foraging	KW
ET048	River Nore	28/03/2023	09:59	Little Egret	1	wet grassland; foraging	KW
ET049	River Nore	28/03/2023	10:15	Little Egret	1	wet grassland; foraging	KW
ET050	River Nore	28/03/2023	11:46	Little Egret	1	wet grassland; foraging	KW
ET051	Erkina floodland	28/03/2023	14:13	Little Egret	1	wet grassland; foraging	KW
ET052	River Goul floodland	28/03/2023	15:08	Little Egret	5	wet grassland; foraging	KW
ET053	River Nore	03/04/2023	12:21	Little Egret	9	semi-natural grassland; swimming, fine group altogether	NJB
ET054	River Nore	23/04/2023	10:56	Little Egret	1	turloughs; swimming, with each other egret and grey heron	NJB



Map Legend

- Proposed Development
- Proposed Turbine Layout
- 500m Buffer of Proposed Turbine Layout
- Vantage Point Location
- Flight Observation



Drawing Title

Vantage Point Survey
Little Egret Observations

Project Title

Seskin Renewables Wind Farm

Drawn By

NL

Checked By

PM

Project No.

231103

Drawing No.

Fig. 7.4.5

Scale

1:28,000

Date

17/06/2025



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- Map Legend
- Proposed Development
 - Proposed Turbine Layout
 - Survey Area
 - Observations

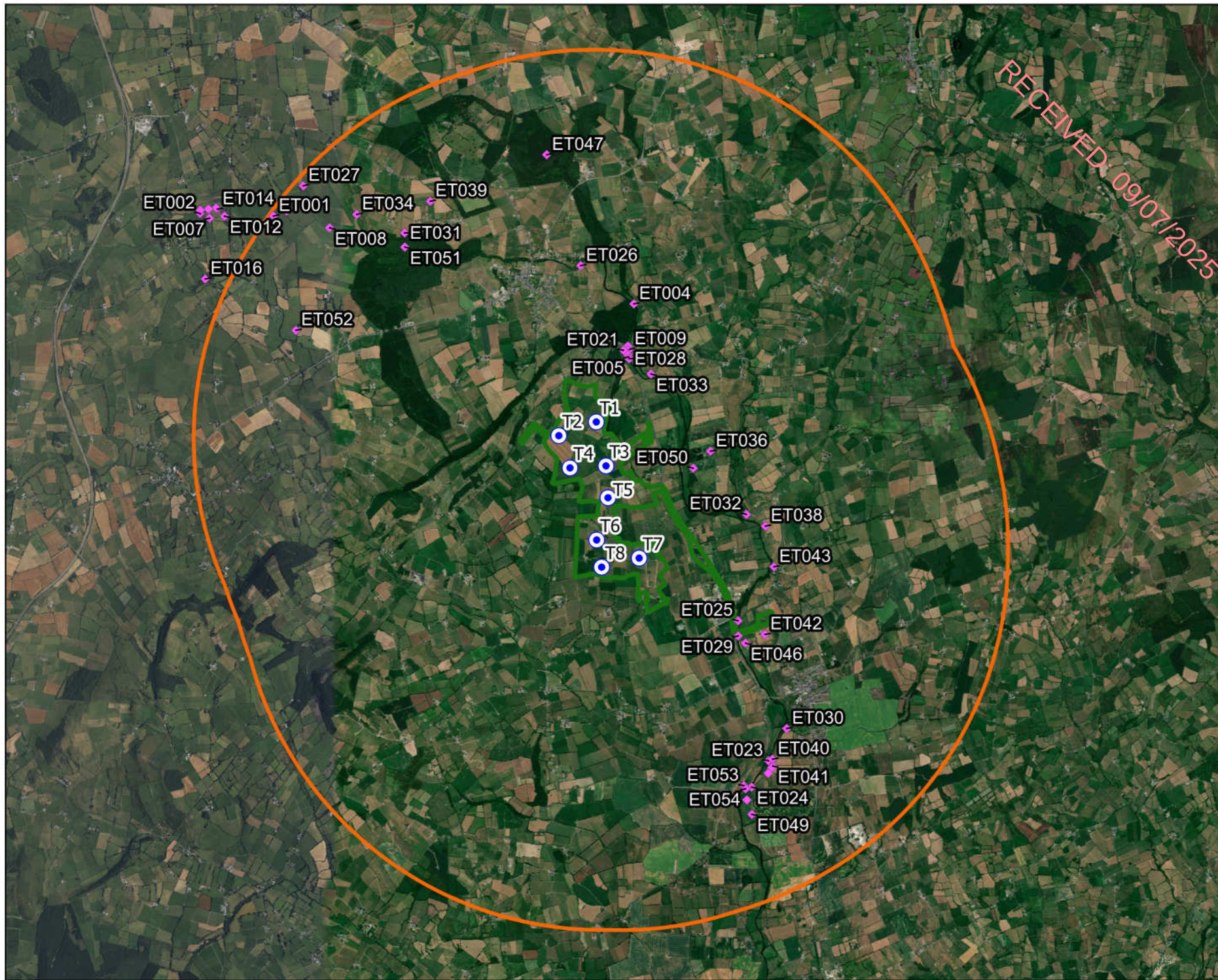


Drawing Title
Winter Walkover Survey
Little Egret Observations

Project Title
Seskin Renewables Wind Farm

Drawn By NL	Checked By PM
Project No. 231103	Drawing No. Fig. 7.4.6
Scale 1:28,000	Date 17/06/2025

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Map Legend

- Proposed Development
- Survey Area
- Proposed Turbine Layout
- Observation

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North Arrow

Drawing Title
Waterbird Distribution and Abundance Survey
Little egret

Project Title
Seskin Renewables Wind Farm

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Project No. 231103	Drawing No. Fig. 7.4.7
Scale 1:75,000	Date 17/06/2025

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4.

PEREGRINE

Table 7 - 4 - 8 Peregrine Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
PE001	VP1	07/07/2022	13:05	Peregrine Falcon	1	8	0	0	8	0	mixed broadleaved/conifer woodland; flying, mobbed by ravens	GH
PE002	VP2	28/08/2022	15:44	Peregrine Falcon	1	18	0	0	18	0	improved agricultural grassland; flying, adult	KW
PE003	VP1	07/09/2022	14:44	Peregrine Falcon	1	-	-	-	-	-	improved agricultural grassland and hedgerows; calling, heard not seen	CB
PE004	VP1	23/12/2022	11:23	Peregrine Falcon	1	41	5	13	23	0	improved agricultural grassland; hunting, small probably male	KW

Table 7 - 4 - 9 Peregrine Breeding Walkover Survey data

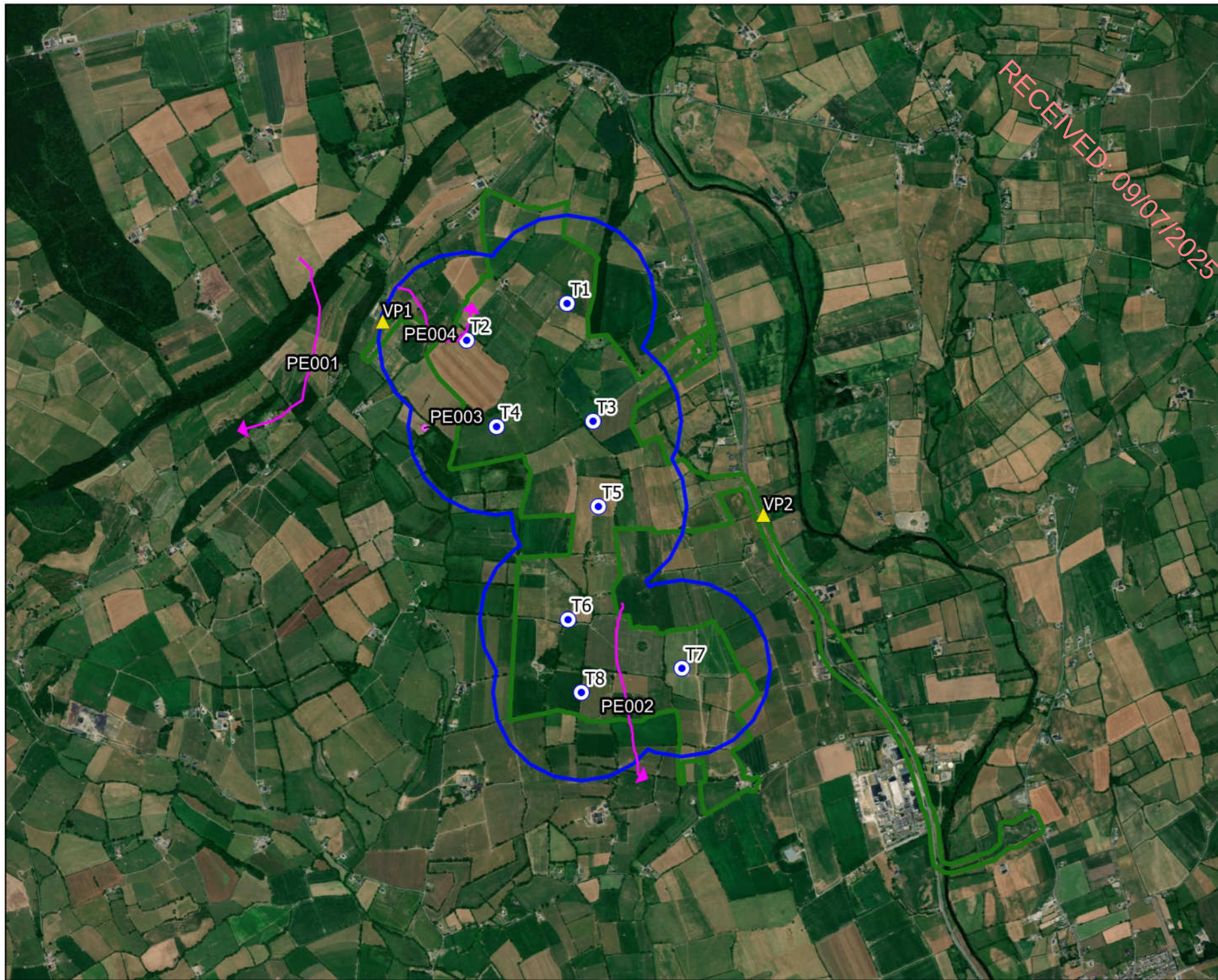
Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
PE001	18/07/2022	11:36	-	Peregrine Falcon	1	improved agricultural grassland; hunting, recently cut field (suitable nesting habitat; possible breeder)	GH

Table 7 - 4 - 10 Peregrine Breeding Raptor Survey data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
PE001	BR6	07/07/2022	11:33	Peregrine Falcon	1	improved agricultural grassland and hedgerows, calling, heard not seen	singing male; possible breeder	CB
PE002	BR6	07/07/2022	12:56	Peregrine Falcon	1	improved agricultural grassland and hedgerows, calling, heard not seen	singing male; possible breeder	CB
PE006	BR6	07/07/2022	13:46	Peregrine Falcon	1	improved agricultural grassland and hedgerows, travelling, calling	singing male; possible breeder	CB
PE007	BR8	07/07/2022	15:10	Peregrine Falcon	1	improved agricultural grassland and hedgerows, hunting, nearby quarries	suitable nesting habitat; possible breeder	CB
PE009	BRVP1	02/04/2023	09:27	Peregrine Falcon	1	improved agricultural grassland and mixed broadleaved/conifer woodland, flying over	flyover; non-breeding	TK
PE010	BRVP6	18/05/2023	09:50	Peregrine Falcon	1	improved agricultural grassland, flying, male circled, glided east	suitable nesting habitat; possible breeder	KW
PE012	BRVP6	26/06/2023	15:01	Peregrine Falcon	1	improved agricultural grassland, flying	suitable nesting habitat; possible breeder	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
PE013	BRVP6	26/06/2023	15:30	Peregrine Falcon	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
PE014	BRVP6	13/07/2023	16:22	Peregrine Falcon	1	improved agricultural grassland, flying	suitable nesting habitat; possible breeder	KW

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Map Legend

- Proposed Development
- Proposed Turbine Layout
- 500m Buffer of Proposed Turbine Layout
- Vantage Point Location
- Flight Observation
- Non-flight Observation



Drawing Title	
Vantage Point Survey Peregrine Observations	
Project Title	
Seskin Renewables Wind Farm	
Drawn By	Checked By
NL	PM
Project No.	Drawing No.
231103	Fig. 7.4.8
Scale	Date
1:28,000	17/06/2025
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Map Legend

-  Proposed Development
-  Proposed Turbine Layout
-  Survey Area
-  Observation



Drawing Title

Breeding Walkover Survey
Peregrine Observation

Project Title

Seskin Renewables Wind Farm

Drawn By

NL

Checked By

PM

Project No.

231103

Drawing No.

Fig. 7.4.9

Scale

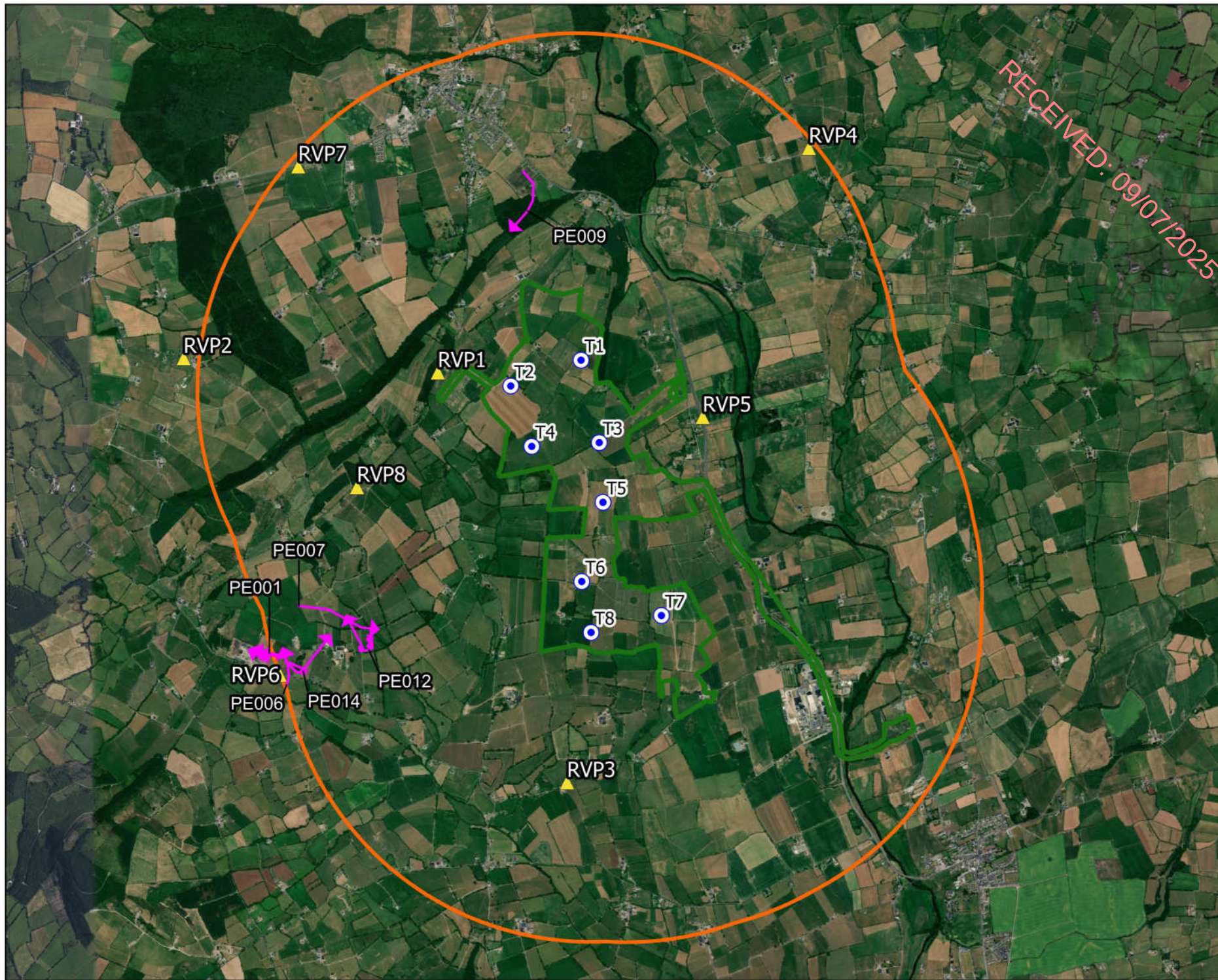
1:28,000

Date

17/06/2025



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- Map Legend
- Proposed Development
 - Proposed Turbine Layout
 - Survey Area
 - Survey Location
 - Observation



Drawing Title	
Breeding Raptor Survey Peregrine Observations	
Project Title	
Seskin Renewables Wind Farm	
Drawn By	Checked By
NL	PM
Project No.	Drawing No.
231103	Fig. 7.4.10
Scale	Date
1:40,000	17/06/2025
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5.

MERLIN

Table 7 - 4 - 11 Merlin Incidental Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
ML001	Waterbird Distribution Survey; Erkina River	10/12/2022	14:59	Merlin	1	wet grassland; hunting, male	KW

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Map Legend

- Proposed Development
- Proposed Turbine Layout
- Vantage Point Location
- Flight Observation

Drawing Title
**Incidental Survey
Merlin**

Project Title
Seskin Renewables Wind Farm

Drawn By NL	Checked By PM
Project No. 231103	Drawing No. Fig. 7.4.11
Scale 1:38,000	Date 17/06/2025

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6.

WHOOPER SWAN

Table 7 - 4 - 12 Whooper Swan Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
WS001	VP2	19/10/2022	07:43	Whooper Swan	11	106	0	106	0	0	improved agricultural grassland; flying, adults and juvenile 20m	KW
WS002	VP2	19/10/2022	09:29	Whooper Swan	5	216	0	0	216	0	improved agricultural grassland; flying, adults 80-100m	KW
WS003	VP2	13/02/2023	07:42	Whooper Swan	16	89	89	0	0	0	improved agricultural grassland; flying	KW
WS004	VP2	13/02/2023	07:43	Whooper Swan	6	103	103	0	0	0	improved agricultural grassland; flying	KW

Table 7 - 4 - 13 Whooper Swan Winter Walkover Survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
WS001	26/10/2022	12:39	-	Whooper Swan	6	arable crops; foraging	KW

Table 7 - 4 - 14 Whooper Swan Waterbird Distribution and Abundance Survey data

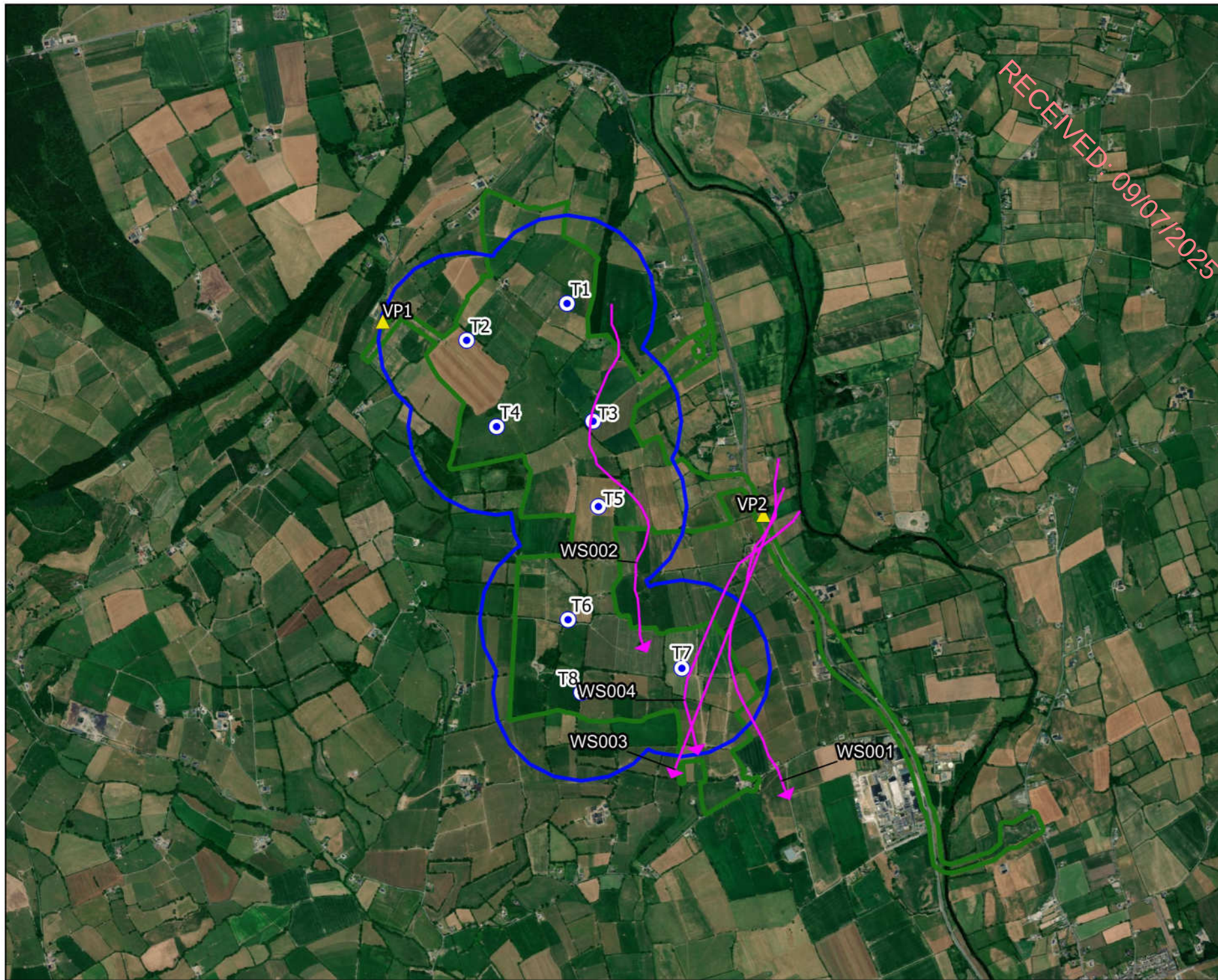
Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WS001	Durrow curragh	01/11/2021	09:05	Whooper Swan	9	depositing/lowland rivers and improved agricultural grassland; feeding, group in river west of wooden bridge with mute swan	AM
WS002	Black Island	01/11/2021	09:05	Whooper Swan	9	improved agricultural grassland and depositing/lowland rivers; foraging, group of at least 9 in fields at Black Island	AM
WS003	Black Island	01/11/2021	13:45	Whooper Swan	35	improved agricultural grassland and depositing/lowland rivers; foraging, flock visible from the Ballagh 4.5km away	AM
WS004	Black Island	01/11/2021	15:10	Whooper Swan	30	improved agricultural grassland; foraging, probably all 35 still foraging in field near Erkina river east of wooden bridge	AM
WS005	Black Island	11/11/2021	15:30	Whooper Swan	68	improved agricultural grassland and depositing/lowland rivers; foraging, dispersed flock mostly on north side of Erkina River	AM
WS006	Black Island	26/11/2021	09:15	Whooper Swan	26	improved agricultural grassland and depositing/lowland rivers; foraging, feeding in usual flock east of bridge	AM
WS007	Black Island	26/11/2021	10:15	Whooper Swan	56	improved agricultural grassland and depositing/lowland rivers; foraging, feeding further east - 82 in total	AM
WS008	Black Island	26/11/2021	15:30	Whooper Swan	47	improved agricultural grassland and depositing/lowland rivers; foraging, same flock as whooper swan observation at 09:15 earlier in day	AM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WS009	Black Island	26/11/2021	16:00	Whooper Swan	29	improved agricultural grassland and depositing/lowland rivers; foraging, same flock as whooper swan at 10:15 earlier in day	AM
WS010	Black Island	26/11/2021	16:55	Whooper Swan	40	improved agricultural grassland and depositing/lowland rivers; flying, 40-50 whooper swan in flight, probably flushed by tractor, relocated to another part of field	AM
WS011	Black Island	09/12/2021	09:15	Whooper Swan	40	improved agricultural grassland and depositing/lowland rivers; foraging, in usual flooded fields to east of wooden bridge	AM
WS012	Black Island	09/12/2021	10:35	Whooper Swan	65	improved agricultural grassland and depositing/lowland rivers; foraging, 55 in big flock nearest bridge, 10 further east	AM
WS013	Black Island	09/12/2021	15:35	Whooper Swan	65	improved agricultural grassland and depositing/lowland rivers; foraging, in usual flooded fields to east of wooden bridge	AM
WS014	Black Island	20/12/2021	09:05	Whooper Swan	40	improved agricultural grassland and depositing/lowland rivers; foraging, in usual fields on east side of wooden bridge	AM
WS015	Black Island	20/12/2021	09:45	Whooper Swan	95	improved agricultural grassland and depositing/lowland rivers; foraging, 101 swans including 95 whooper swans, 85 nearest bridge, 22 flew and moved further east	AM
WS016	Black Island	03/01/2022	10:30	Whooper Swan	64	improved agricultural grassland and depositing/lowland rivers; foraging, in flooded field	AM
WS017	Black Island	03/01/2022	10:30	Whooper Swan	4	improved agricultural grassland and depositing/lowland rivers; foraging, further east from main flock	AM
WS018	Black Island	03/01/2022	16:00	Whooper Swan	66	improved agricultural grassland and depositing/lowland rivers; foraging, in flooded field	AM
WS019	Black Island	19/01/2022	10:15	Whooper Swan	4	improved agricultural grassland and immature woodland; foraging, 3 in field, 1 in river, no flooding so most must have moved elsewhere	AM
WS020	Black Island	19/01/2022	15:40	Whooper Swan	4	improved agricultural grassland; foraging, 3 further east and 4 nearer bridge, new 3 must have flown in	AM
WS021	Black Island	19/01/2022	15:40	Whooper Swan	3	improved agricultural grassland; foraging, 3 further east and 4 nearer bridge, new 3 must have flown in	AM
WS022	Black Island	08/02/2022	10:10	Whooper Swan	42	improved agricultural grassland and depositing/lowland rivers; foraging, foraging in 2 flocks	AM
WS023	Black Island	08/02/2022	10:10	Whooper Swan	9	improved agricultural grassland and depositing/lowland rivers; foraging, foraging in 2 flocks - total 51	AM
WS024	Black Island	22/02/2022	10:10	Whooper Swan	49	improved agricultural grassland and depositing/lowland rivers; foraging, most bird towards wooden bridge, split into 2 flocks	AM
WS025	Black Island	22/02/2022	10:10	Whooper Swan	3	improved agricultural grassland and depositing/lowland rivers; foraging, to east of main flock	AM
WS026	Durrow curragh	22/02/2022	15:20	Whooper Swan	3	improved agricultural grassland and depositing/lowland rivers; foraging, on edge of flooded field to west of bridge	AM
WS027	Durrow curragh	02/03/2022	09:10	Whooper Swan	5	improved agricultural grassland and depositing/lowland rivers; foraging, foraging on riverbank	AM
WS028	Black island	02/03/2022	10:10	Whooper Swan	60	depositing/lowland rivers and improved agricultural grassland; foraging, in flooded fields	AM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WS029	Knockanoran	15/10/2022	13:51	Whooper Swan	22	improved agricultural grassland; roosting	KW
WS030	O'Sullivan's Island	15/10/2022	14:28	Whooper Swan	11	improved agricultural grassland; foraging	KW
WS031	Knockanoran	29/10/2022	14:35	Whooper Swan	44	wet grassland; roosting	KW
WS032	Seskin south	29/10/2022	15:22	Whooper Swan	6	arable crops; foraging	KW
WS033	Knockanoran	12/11/2022	12:30	Whooper Swan	63	wet grassland; roosting	KW
WS034	Knockanoran	29/11/2022	14:01	Whooper Swan	30	wet grassland; flying	KW
WS035	Castle Durrow Demesne	29/11/2022	14:16	Whooper Swan	80	wet grassland; flying	KW
WS036	Knockanoran	29/11/2022	16:00	Whooper Swan	20	wet grassland; foraging	KW
WS037	Erkina floodland	10/12/2022	14:41	Whooper Swan	160	wet grassland; foraging	KW
WS038	Erkina floodland	23/12/2022	13:48	Whooper Swan	4	wet grassland; foraging	KW
WS039	Erkina floodland	23/12/2022	14:29	Whooper Swan	60	wet grassland; foraging	KW
WS040	Erkina floodland	11/01/2023	13:24	Whooper Swan	8	wet grassland; foraging	KW
WS041	Erkina floodland	11/01/2023	14:18	Whooper Swan	47	wet grassland; foraging	KW
WS042	River Nore	23/01/2023	10:00	Whooper Swan	21	improved agricultural grassland; flying	KW
WS043	River Nore	23/01/2023	10:15	Whooper Swan	2	improved agricultural grassland; flying	KW
WS044	River Nore	23/01/2023	11:02	Whooper Swan	23	improved agricultural grassland; foraging	KW
WS045	Newtown	23/01/2023	14:49	Whooper Swan	84	wet grassland; foraging	KW
WS046	Seskin south	11/02/2023	10:03	Whooper Swan	23	improved agricultural grassland; foraging	KW
WS047	Newtown	11/02/2023	13:33	Whooper Swan	68	wet grassland; foraging	KW
WS048	Newtown	11/02/2023	14:43	Whooper Swan	11	wet grassland; foraging	KW
WS049	Seskin south	22/02/2023	10:23	Whooper Swan	19	depositing/lowland rivers; foraging	KW
WS050	Erkina floodland	22/02/2023	13:58	Whooper Swan	3	wet grassland; roosting	KW
WS051	Newtown	22/02/2023	14:46	Whooper Swan	53	wet grassland; foraging	KW
WS052	Seskin south	13/03/2023	10:57	Whooper Swan	28	wet grassland; foraging	KW
WS053	Erkina floodland	13/03/2023	14:23	Whooper Swan	78	wet grassland; foraging	KW
WS054	Erkina floodland	13/03/2023	14:51	Whooper Swan	5	wet grassland; foraging	KW
WS055	Erkina floodland	28/03/2023	14:23	Whooper Swan	1	wet grassland; foraging, juvenile with damaged neck	KW
WS056	River Goul floodland	28/03/2023	14:42	Whooper Swan	1	wet grassland; foraging	KW

Table 7 - 4 - 15 Whooper Swan Incidental Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
WS001	Winter Walkover Survey; Black Island	28/10/2021	11:50	Whooper Swan	25	improved agricultural grassland; feeding, flock of 25-30 visible from t1 4.5km away	AM
WS002	Winter Walkover Survey; Ballyconra	20/01/2023	13:46	Whooper Swan	55	improved agricultural grassland; foraging, foraging on grassland outside site near Ballyragget plant	KW



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Map Legend

- Proposed Development
- Proposed Turbine Layout
- 500m Buffer of Proposed Turbine Layout
- Vantage Point Location
- Flight Observation

Drawing Title	
Vantage Point Survey Whooper Swan Observations	
Project Title	
Seskin Renewables Wind Farm	
Drawn By	Checked By
NL	PM
Project No.	Drawing No.
231103	Fig. 7.4.12
Scale	Date
1:28,000	17/06/2025

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Map Legend

- Proposed Development
- Proposed Turbine Layout
- Survey Area
- Observations

Drawing Title

Winter Walkover Survey
Whooper Swan Observations

Project Title

Seskin Renewables Wind Farm

Drawn By	Checked By
NL	PM
Project No.	Drawing No.
231103	Fig. 7.4.13
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1:28,000	17/06/2025

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Map Legend

- Proposed Development
- Proposed Turbine Layout
- Vantage Point Location
- Flight Observation

Drawing Title

Incidental Survey
Whooper Swan

Project Title

Seskin Renewables Wind Farm

Drawn By	Checked By
NL	PM
Project No.	Drawing No.
231103	Fig. 7.4.15
Scale	Date
1:39,000	17/06/2025

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7.

CURLEW

Table 7 - 4 - 16 Curlew Waterbird Distribution and Abundance Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
CU001	Durrow Curragh	01/11/2021	09:15	Curlew	1	improved agricultural grassland; flying, at least 1 in area with lapwing	AM
CU002	Durrow Curragh	09/12/2021	16:15	Curlew	20	improved agricultural grassland and depositing/lowland rivers; flying, flying about, back down to flooded field west of bridge	AM
CU003	Durrow Curragh	09/12/2021	16:40	Curlew	30	improved agricultural grassland and depositing/lowland rivers; flying, flying about, back down to flooded field west of bridge	AM
CU004	Newtown	23/01/2023	15:09	Curlew	40	wet grassland; foraging	KW
CU005	Newtown	11/02/2023	14:18	Curlew	12	wet grassland; foraging	KW

8.

KESTREL

Table 7 - 4 - 17 Kestrel Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.001	VP1	22/10/2021	08:47	Kestrel	1	45	45	0	0	0	improved agricultural grassland and hedgerows; flying, flying south then circled back	AM
K.002	VP2	22/10/2021	17:03	Kestrel	1	45	15	30	0	0	improved agricultural grassland, treelines and hedgerows; circling, circling over farmland	AM
K.003	VP1	28/10/2021	15:47	Kestrel	1	15	15	0	0	0	improved agricultural grassland; flying, perched on powerline then away flying low over field	AM
K.004	VP1	04/11/2021	12:48	Kestrel	1	30	30	0	0	0	improved agricultural grassland and hedgerows; flying, flew past VP onto tele pole briefly then away	AM
K.005	VP2	15/11/2021	12:55	Kestrel	1	30	30	0	0	0	improved agricultural grassland; flying, male flew east past VP, mobbed by raven	AM
K.006	VP1	10/12/2021	08:47	Kestrel	1	30	30	0	0	0	improved agricultural grassland; flying, flew onto power pole briefly, away again	AM
K.007	VP1	10/12/2021	09:23	Kestrel	1	240	30	150	60	0	improved agricultural grassland; flying, soaring up in distance, hunting then away	AM
K.008	VP2	10/01/2022	14:56	Kestrel	1	30	30	0	0	0	improved agricultural grassland; flying, perched, low across field, onto bush	AM
K.009	VP2	15/03/2022	15:02	Kestrel	1	30	0	30	0	0	improved agricultural grassland; hunting, kestrel hunting over fields to west of VP	AM
K.010	VP1	18/04/2022	08:10	Kestrel	1	225	0	80	145	0	improved agricultural grassland and hedgerows; hunting, male kestrel hunting	TK
K.011	VP2	06/05/2022	15:59	Kestrel	1	45	0	45	0	0	improved agricultural grassland; hunting	GH
K.012	VP1	06/05/2022	19:21	Kestrel	1	35	15	2	18	0	improved agricultural grassland; hunting	GH
K.013	VP2	05/07/2022	14:27	Kestrel	1	45	0	45	0	0	improved agricultural grassland; hunting	GH
K.014	VP2	05/07/2022	15:14	Kestrel	1	8	8	0	0	0	improved agricultural grassland; hunting, landed on tree	GH
K.015	VP2	05/07/2022	15:14	Kestrel	1	-	-	-	-	-	improved agricultural grassland; perched, 9 minutes	GH
K.016	VP1	07/07/2022	10:41	Kestrel	1	8	0	8	0	0	improved agricultural grassland; flying, mobbed by rooks	GH
K.017	VP1	24/08/2022	09:16	Kestrel	1	8	8	0	0	0	hedgerows; flying, female, landed/perched in oak tree in hedgerow	KW
K.018	VP1	24/08/2022	11:11	Kestrel	1	19	19	0	0	0	improved agricultural grassland; flying, female, glided south	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.019	VP1	24/08/2022	15:47	Kestrel	1	11	0	11	0	0	improved agricultural grassland and oak-birch-holly woodland; flying, female	KW
K.020	VP1	24/08/2022	17:11	Kestrel	1	6	6	0	0	0	improved agricultural grassland; flying, female, landed on fest post	KW
K.021	VP1	24/08/2022	17:14	Kestrel	1	7	7	0	0	0	improved agricultural grassland; flying, female, onto telegraph pole	KW
K.022	VP1	24/08/2022	17:18	Kestrel	1	32	0	32	0	0	improved agricultural grassland; flying, female, hovered briefly	KW
K.023	VP1	25/08/2022	14:13	Kestrel	1	19	19	0	0	0	improved agricultural grassland and oak-birch-holly woodland; flying, female	KW
K.024	VP2	27/08/2022	15:15	Kestrel	1	23	23	0	0	0	improved agricultural grassland; hunting, female hovering - perched on telephone wire	KW
K.025	VP2	28/08/2022	15:33	Kestrel	1	-	-	-	-	-	buildings and artificial surfaces; perched, telephone wire	KW
K.026	VP2	28/08/2022	15:41	Kestrel	1	4	0	0	4	0	improved agricultural grassland and treelines; hunting, flew west	KW
K.027	VP2	09/09/2022	15:09	Kestrel	1	110	3	2	105	0	improved agricultural grassland; hunting, went to ground, not seen reappear	CB
K.028	VP2	19/10/2022	08:28	Kestrel	1	14	14	0	0	0	improved agricultural grassland; flying	KW
K.029	VP2	19/10/2022	08:44	Kestrel	1	76	7	69	0	0	improved agricultural grassland; flying	KW
K.030	VP2	19/10/2022	09:38	Kestrel	1	257	0	0	257	0	improved agricultural grassland; hunting	KW
K.031	VP2	19/10/2022	09:46	Kestrel	1	198	0	198	0	0	improved agricultural grassland; hunting	KW
K.032	VP2	19/10/2022	10:35	Kestrel	1	84	0	84	0	0	improved agricultural grassland; hunting	KW
K.033	VP2	19/10/2022	10:45	Kestrel	1	77	0	5	72	0	improved agricultural grassland; flying	KW
K.034	VP2	19/10/2022	10:59	Kestrel	1	12	12	0	0	0	improved agricultural grassland; flying, female	KW
K.035	VP2	19/10/2022	11:59	Kestrel	1	116	0	116	0	0	improved agricultural grassland; hunting, female	KW
K.036	VP2	19/10/2022	12:16	Kestrel	1	78	0	78	0	0	improved agricultural grassland; flying, juvenile	KW
K.037	VP2	19/10/2022	12:45	Kestrel	1	54	0	54	0	0	improved agricultural grassland; hunting, juvenile	KW
K.038	VP1	22/10/2022	11:08	Kestrel	1	11	0	11	0	0	improved agricultural grassland; flying, adult female	KW
K.039	VP1	22/10/2022	11:31	Kestrel	1	6	0	6	0	0	improved agricultural grassland; flying	KW
K.040	VP1	22/10/2022	12:21	Kestrel	1	99	0	0	99	0	improved agricultural grassland; flying	KW
K.041	VP2	09/11/2022	12:15	Kestrel	1	44	0	44	0	0	improved agricultural grassland; flying	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
K.042	VP2	09/11/2022	14:46	Kestrel	1	19	19	0	0	0	improved agricultural grassland; flying, male	KW
K.043	VP1	12/01/2023	14:53	Kestrel	1	307	42	265	0	0	improved agricultural grassland; hunting	KW
K.044	VP2	13/02/2023	09:17	Kestrel	1	139	0	0	139	0	improved agricultural grassland; hunting	KW
K.045	VP2	13/02/2023	10:34	Kestrel	1	581	0	581	0	0	improved agricultural grassland; hunting	KW
K.046	VP2	13/02/2023	10:48	Kestrel	1	79	0	5	74	0	improved agricultural grassland; hunting	KW
K.047	VP2	13/02/2023	11:36	Kestrel	1	109	0	109	0	0	improved agricultural grassland; hunting	KW
K.048	VP2	21/03/2023	13:16	Kestrel	1	318	3	315	0	0	improved agricultural grassland; hunting, female	KW
K.049	VP2	21/03/2023	13:23	Kestrel	1	641	33	608	0	0	improved agricultural grassland; hunting, female	KW
K.050	VP2	21/03/2023	13:41	Kestrel	1	14	14	0	0	0	improved agricultural grassland; hunting, female carrying prey	KW
K.051	VP2	21/03/2023	14:38	Kestrel	1	48	17	31	0	0	improved agricultural grassland; flying, female	KW
K.052	VP2	21/03/2023	17:08	Kestrel	1	89	0	89	0	0	improved agricultural grassland; hunting	KW
K.053	VP2	11/05/2023	17:02	Kestrel	1	60	30	30	0	0	improved agricultural grassland and hedgerows; hunting, flying, flew north past VP, hunting briefly	AM
K.054	VP1	26/05/2023	20:06	Kestrel	1	90	45	45	0	0	improved agricultural grassland; hunting, flying, hunting over fields then away north	AM
K.055	VP2	21/06/2023	14:17	Kestrel	1	97	0	97	0	0	improved agricultural grassland; hunting, male	KW
K.056	VP1	18/08/2023	08:53	Kestrel	1	37	0	37	0	0	improved agricultural grassland; flying, female	KW
K.057	VP2	21/08/2023	10:55	Kestrel	1	1144	0	113	1031	0	improved agricultural grassland; hunting	KW
K.058	VP2	20/09/2023	12:33	Kestrel	1	127	0	127	0	0	improved agricultural grassland; hunting, female kestrel	KW
K.059	VP2	20/09/2023	14:08	Kestrel	1	571	0	0	571	0	improved agricultural grassland; hunting, female	KW
K.060	VP1	23/09/2023	11:34	Kestrel	1	146	0	0	146	0	improved agricultural grassland; hunting, female	KW
K.061	VP1	23/09/2023	11:39	Kestrel	1	347	0	0	347	0	improved agricultural grassland; flying, female	KW
K.062	VP1	23/09/2023	12:53	Kestrel	1	77	1	1	75	0	improved agricultural grassland; hunting, female	KW
K.063	VP1	23/09/2023	13:08	Kestrel	1	200	0	6	194	0	improved agricultural grassland; hunting, female	KW
K.064	VP1	23/09/2023	13:37	Kestrel	1	104	0	0	104	0	improved agricultural grassland; hunting, female	KW

Table 7 - 4 - 18 Kestrel Breeding Walkover Survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
K.001	17/07/2022	09:51	-	Kestrel	1	improved agricultural grassland; hunting (suitable nesting habitat; possible breeder)	GH
K.002	17/07/2022	13:09	-	Kestrel	1	improved agricultural grassland; hunting (suitable nesting habitat; possible breeder)	GH
K.003	18/07/2022	11:08	-	Kestrel	2	improved agricultural grassland; hunting (pair; probable breeding)	GH
K.004	08/05/2023	08:45	-	Kestrel	1	improved agricultural grassland and hedgerows; hunting, hunting over field near road (suitable nesting habitat; possible breeder)	AM
K.005	08/05/2023	12:32	-	Kestrel	1	wet grassland; flying, female flew low across field to north (suitable nesting habitat; possible breeder)	AM
K.006	25/05/2023	12:52	-	Kestrel	1	improved agricultural grassland; hunting, flying, hunting over fields (suitable nesting habitat; possible breeder)	AM
K.007	16/06/2023	10:25	-	Kestrel	1	improved agricultural grassland; flying, flew from roadside across field into trees (suitable nesting habitat; possible breeder)	AM
K.008	29/06/2023	09:41	-	Kestrel	1	improved agricultural grassland; flying, hunting, hunting over fields (suitable nesting habitat; possible breeder)	AM
K.009	29/06/2023	14:51	-	Kestrel	1	improved agricultural grassland; hunting, hunting over fields (suitable nesting habitat; possible breeder)	AM
K.010	19/07/2023	12:50	-	Kestrel	1	improved agricultural grassland; hunting, over fields (suitable nesting habitat; possible breeder)	AM
K.011	26/07/2023	09:25	-	Kestrel	1	improved agricultural grassland; hunting, flying, over fields (suitable nesting habitat; possible breeder)	AM
K.012	26/07/2023	14:06	-	Kestrel	1	improved agricultural grassland; flying, circling, circled over fields (suitable nesting habitat; possible breeder)	AM

Table 7 - 4 - 19 Kestrel Breeding Raptor Survey data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.001	BRVP1	20/04/2022	10:44	Kestrel	1	improved grassland and hedgerows, soaring, female soaring and away	flyover; non-breeding	AR
K.003	BRVP1	20/04/2022	11:10	Kestrel	1	highly modified/non-native woodland, flying, female mobbed by jackdaw	flyover; non-breeding	AR
K.004	BRVP1	20/04/2022	11:25	Kestrel	1	improved grassland, hedgerows and highly modified/non-native woodland, flying, female again	flyover; non-breeding	AR
K.006	BRVP2	21/04/2022	10:05	Kestrel	1	improved grassland and hedgerows, hunting, male hunting then away	flyover; non-breeding	AR
K.007	BRVP2	21/04/2022	12:32	Kestrel	1	improved grassland and hedgerows, hunting, male	flyover; non-breeding	AR
K.008	BR Walkover	22/04/2022	07:51	Kestrel	1	improved grassland and hedgerows, hunting, male	flyover; non-breeding	AR
K.009	BR Walkover	22/04/2022	08:36	Kestrel	1	improved grassland and hedgerows, flying, male	flyover; non-breeding	AR
K.010	BRVP1	12/05/2022	14:03	Kestrel	1	improved agricultural grassland and hedgerows, flying, hunting, male	suitable nesting habitat; possible breeder	TS
K.011	BRVP5	28/05/2022	13:20	Kestrel	1	improved agricultural grassland and scrub, flying, hunting	suitable nesting habitat; possible breeder	TS
K.012	BRVP6	28/05/2022	16:43	Kestrel	1	scrub and recently-felled woodland, flying, hunting	suitable nesting habitat; possible breeder	TS
K.013	BRVP6	28/05/2022	17:36	Kestrel	1	recently-felled woodland and improved agricultural grassland, flying, hunting	suitable nesting habitat; possible breeder	TS
K.014	BRVP3	05/07/2022	13:21	Kestrel	1	improved agricultural grassland and hedgerows, hunting	suitable nesting habitat; possible breeder	CB
K.015	BRVP3	05/07/2022	13:28	Kestrel	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	CB
K.016	BRVP3	05/07/2022	13:46	Kestrel	1	improved agricultural grassland and hedgerows, hunting	suitable nesting habitat; possible breeder	CB
K.017	BRVP6	07/07/2022	12:55	Kestrel	1	conifer plantation and recently-felled woodland, hunting, hovering	suitable nesting habitat; possible breeder	CB
K.019	BRVP8	07/07/2022	17:09	Kestrel	1	conifer plantation and improved agricultural grassland, hunting, hovering	suitable nesting habitat; possible breeder	CB
K.020	BRVP5	26/07/2022	15:23	Kestrel	1	improved agricultural grassland, arable crops and hedgerows, hunting	suitable nesting habitat; possible breeder	CB
K.021	BRVP6	28/07/2022	12:48	Kestrel	1	conifer plantation, hunting	suitable nesting habitat; possible breeder	CB

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
K.023	BRVP4	19/05/2023	16:34	Kestrel	2	improved agricultural grassland, soaring, mobbed by hooded crow	suitable nesting habitat; possible breeder	KW
K.024	BRVP4	19/05/2023	16:49	Kestrel	2	improved agricultural grassland, hunting, hovering	suitable nesting habitat; possible breeder	KW
K.025	BRVP4	19/05/2023	17:08	Kestrel	1	improved agricultural grassland, hunting, hovering	suitable nesting habitat; possible breeder	KW
K.026	BRVP8	02/06/2023	12:42	Kestrel	1	improved agricultural grassland, hunting, female	suitable nesting habitat; possible breeder	KW
K.027	BRVP4	06/06/2023	11:30	Kestrel	1	improved agricultural grassland, flying	suitable nesting habitat; possible breeder	KW
K.028	BRVP5	06/06/2023	12:56	Kestrel	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
K.029	BRVP5	06/06/2023	13:59	Kestrel	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
K.030	BRVP5	06/06/2023	14:03	Kestrel	1	improved agricultural grassland, flying	suitable nesting habitat; possible breeder	KW
K.032	BRVP5	07/07/2023	15:22	Kestrel	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	KW
K.033	BRVP5	07/07/2023	15:28	Kestrel	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	KW
K.034	BRVP5	07/07/2023	15:44	Kestrel	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	KW
K.036	BRVP5	07/07/2023	17:34	Kestrel	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	KW
K.037	BRVP8	13/07/2023	14:59	Kestrel	1	improved agricultural grassland, hunting, female	suitable nesting habitat; possible breeder	KW
K.038	BRVP8	13/07/2023	15:22	Kestrel	1	improved agricultural grassland, hunting, female	suitable nesting habitat; possible breeder	KW

Table 7 - 4 - 20 Kestrel Winter Walkover Survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
K.001	13/12/2021	14:27	-	Kestrel	1	hedgerows and improved agricultural grassland; perched, bird on hedge, flew off	AM
K.002	11/01/2022	12:06	-	Kestrel	1	improved agricultural grassland and hedgerows; flying, flew across field onto hawthorn	AM
K.003	11/01/2022	15:47	-	Kestrel	1	improved agricultural grassland and hedgerows; flying, perched, flew onto tree	AM
K.004	26/10/2022	14:53	-	Kestrel	2	improved agricultural grassland; flying, male and female, adult	KW

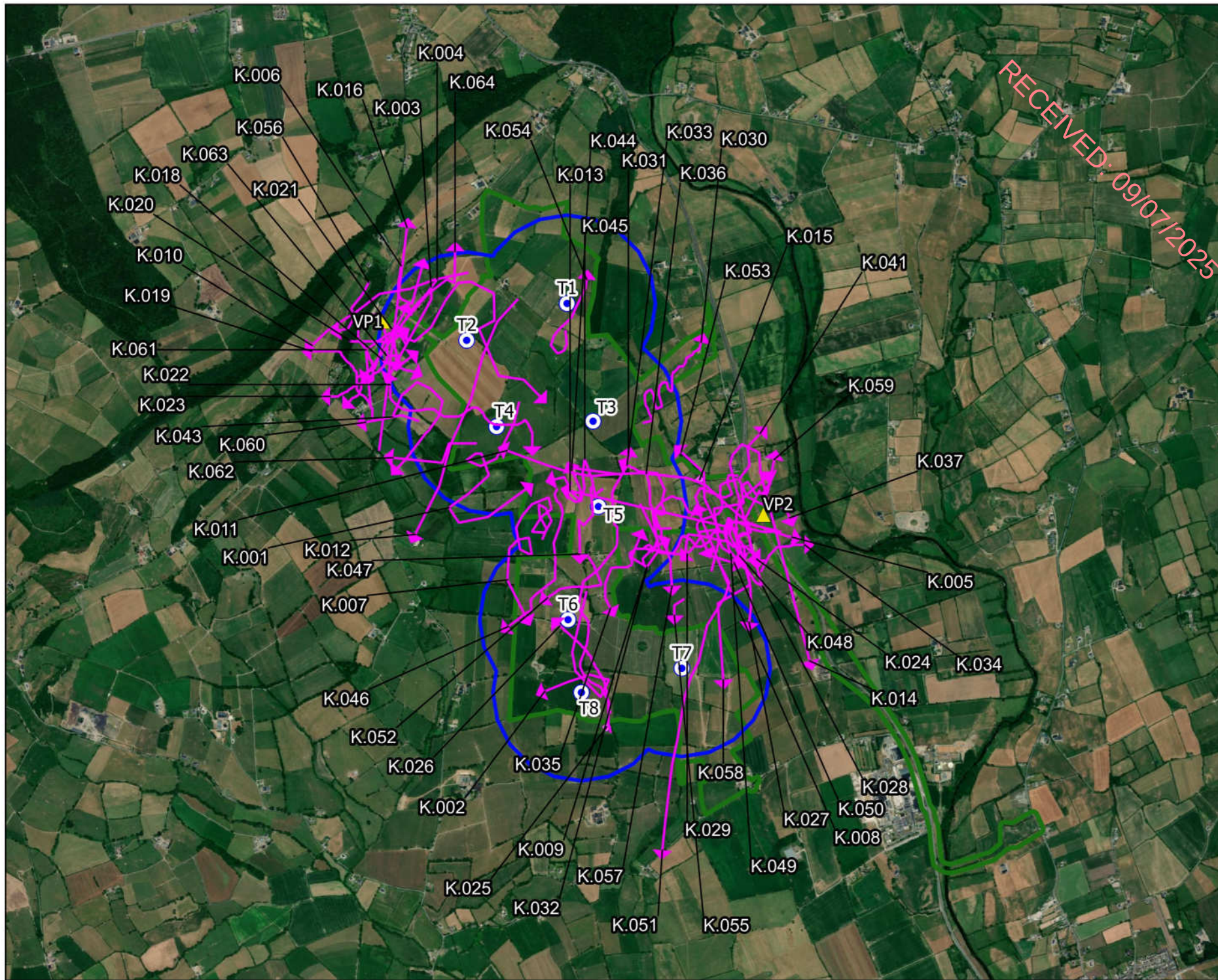


Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
K.005	20/01/2023	13:14	-	Kestrel	2	hedgerows; perched, male and female	KW

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Table 7-4-21 Kestrel Incidental Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
K.001	Waterbird Distribution Survey; Tallyho Bridge	25/04/2022	15:02	Kestrel	1	improved agricultural grassland; hunting, hovering	CB
K.002	Waterbird Distribution Survey; Watercastle Bridge	05/05/2022	15:34	Kestrel	1	improved agricultural grassland and hedgerows; hovering	CB
K.003	Waterbird Distribution Survey; 5km Survey Radius	03/04/2023	13:21	Kestrel	1	semi-natural grassland; flying	NJB
K.004	Waterbird Distribution Survey; 5km Survey Radius	03/04/2023	14:35	Kestrel	1	semi-natural grassland; flying	NJB
K.005	Waterbird Distribution Survey; 5km Survey Radius	23/04/2023	14:13	Kestrel	1	semi-natural grassland; perched	NJB
K.006	Waterbird Distribution Survey; 5km Survey Radius	23/04/2023	15:15	Kestrel	1	arable crops; hovering foraging	NJB



Map Legend

- Proposed Development
- Proposed Turbine Layout
- 500m Buffer of Proposed Turbine Layout
- Vantage Point Location
- Flight Observation
- Non-flight Observation

Drawing Title
**Vantage Point Survey
Kestrel Observations**

Project Title
Seskin Renewables Wind Farm

Drawn By NL	Checked By PM
Project No. 231103	Drawing No. Fig. 7.4.16
Scale 1:28,000	Date 17/06/2025

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Map Legend

- Proposed Development
- Proposed Turbine Layout
- Survey Area
- Observation



Drawing Title

Breeding Walkover Survey
Kestrel Observation

Project Title

Seskin Renewables Wind Farm

Drawn By

NL

Checked By

PM

Project No.

231103

Drawing No.

Fig. 7.4.17

Scale

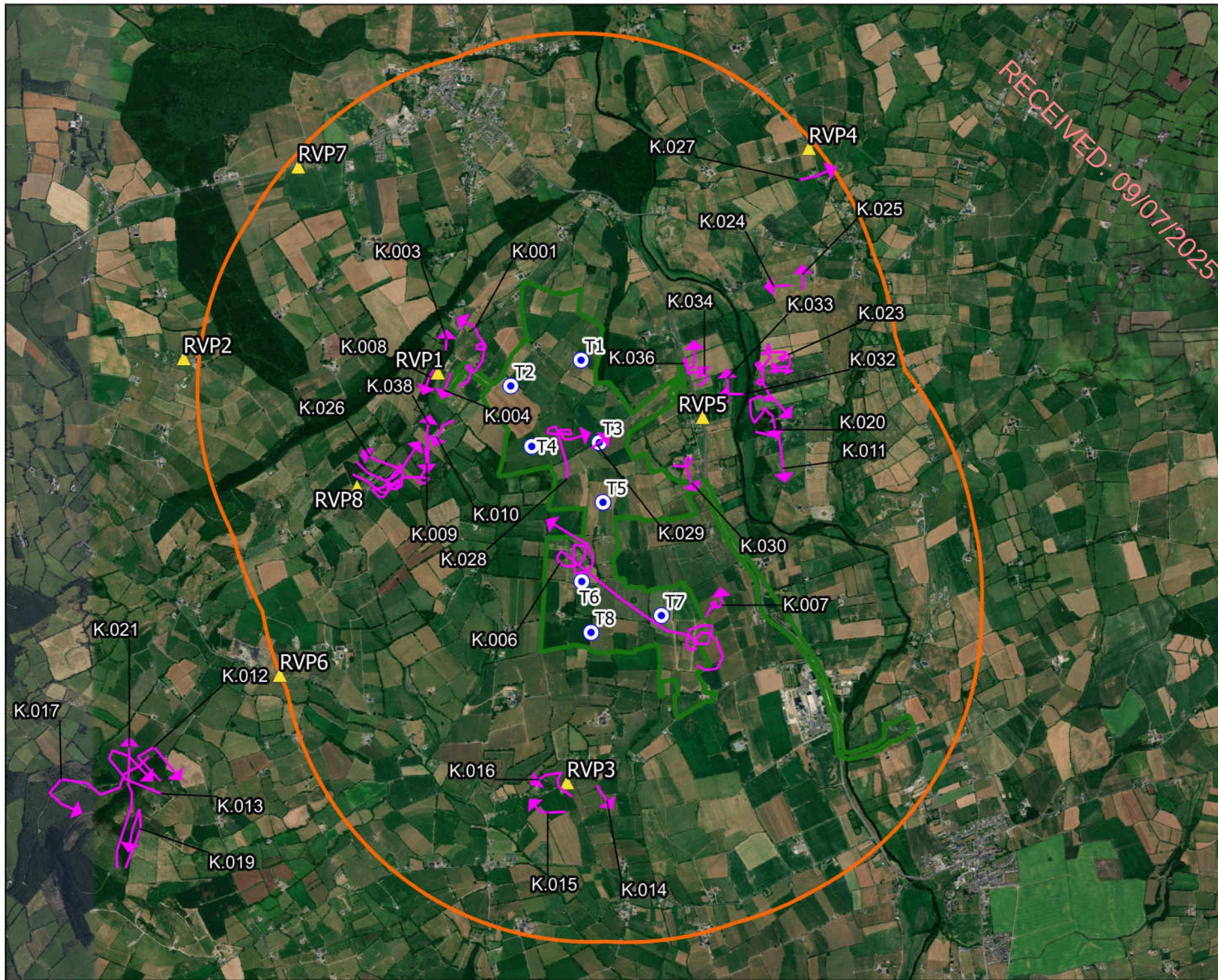
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Date

17/06/2025



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Map Legend

- Proposed Development
- Proposed Turbine Layout
- Survey Area
- Survey Location
- Observation

Drawing Title
**Breeding Raptor Survey
Kestrel Observations**

Project Title
Seskin Renewables Wind Farm

Drawn By NL	Checked By PM
Project No. 231103	Drawing No. Fig. 7.4.18
Scale 1:40,000	Date 17/06/2025

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Map Legend

-  Proposed Development
-  Proposed Turbine Layout
-  Survey Area
-  Observations



Drawing Title	
Winter Walkover Survey Kestrel Observations	
Project Title	
Seskin Renewables Wind Farm	
Drawn By	Checked By
NL	PM
Project No.	Drawing No.
231103	Fig. 7.4.19
Scale	Date
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Map Legend

-  Proposed Development
-  Proposed Turbine Layout
-  Vantage Point Location
-  Flight Observation



Drawing Title

Incidental Survey
Kestrel

Project Title

Seskin Renewables Wind Farm

Drawn By

NL

Checked By

PM

Project No.

231103

Drawing No.

Fig. 7.4.20

Scale

1:45,000

Date

17/06/2025



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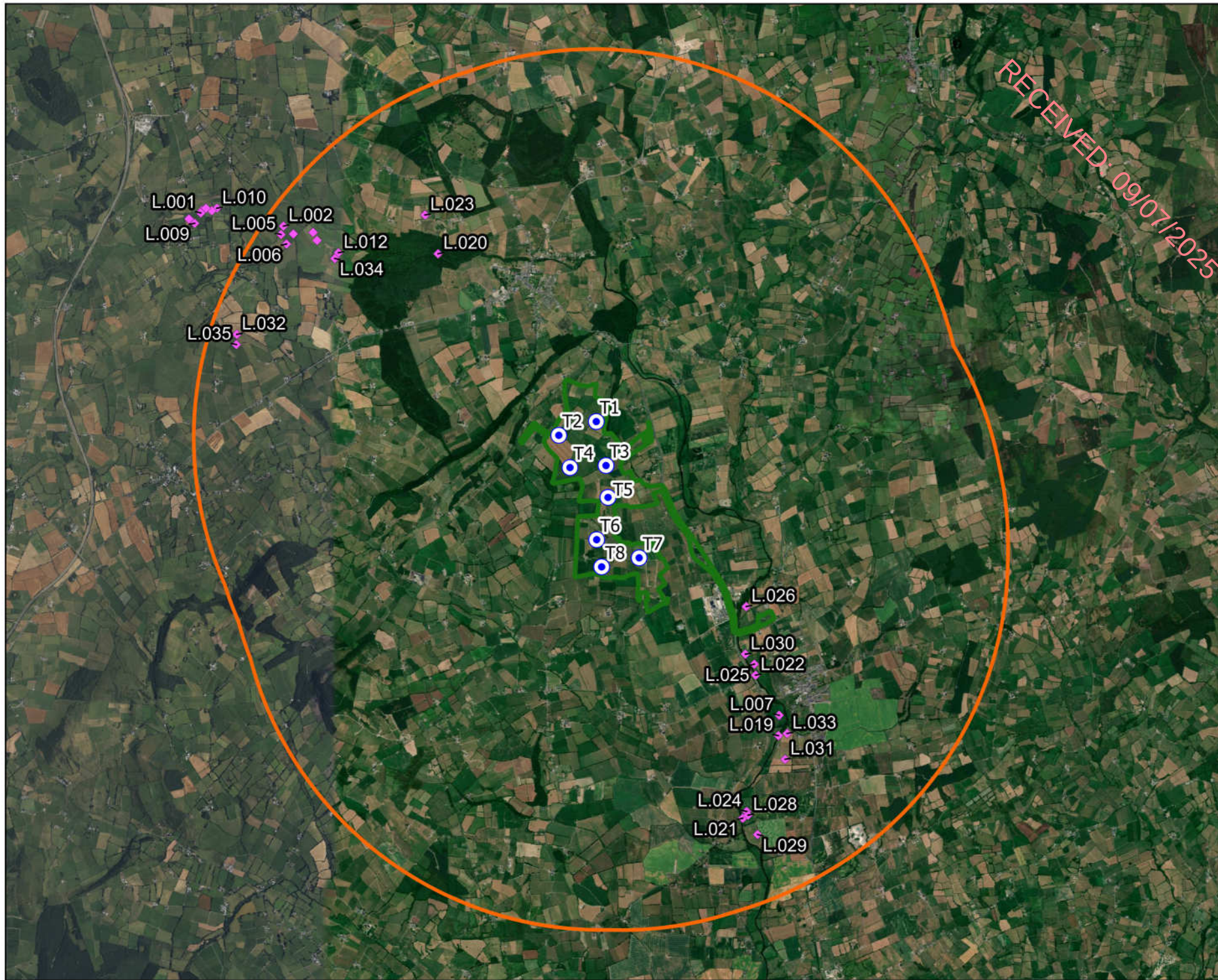
9.

LAPWING

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

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.001	Durrow Curragh	01/11/2021	09:15	Lapwing	180	improved agricultural grassland; flying, up from field then back down again west of wooden bridge	AM
L.002	Black Island	01/11/2021	15:10	Lapwing	3	improved agricultural grassland and depositing/lowland rivers; flying, 3 flew over, mobbed buzzard	AM
L.003	Durrow Curragh	11/11/2021	09:25	Lapwing	150	improved agricultural grassland; flying, flock between wooden bridge vantage point and m8	AM
L.004	Durrow Curragh	09/12/2021	09:15	Lapwing	10	improved agricultural grassland and depositing/lowland rivers; foraging, in flooded fields west of bridge	AM
L.005	Black Island	09/12/2021	09:15	Lapwing	10	improved agricultural grassland and depositing/lowland rivers; flying, flew down to fields near whooper swan	AM
L.006	Black Island	09/12/2021	10:35	Lapwing	40	improved agricultural grassland and depositing/lowland rivers; flying, flushed by whooper swans	AM
L.007	Ballyragget	09/12/2021	14:35	Lapwing	45	improved agricultural grassland and depositing/lowland rivers; flying, flying downriver	AM
L.008	Black Island	09/12/2021	15:45	Lapwing	4	improved agricultural grassland; foraging, on east side of bridge	AM
L.009	Durrow Curragh	09/12/2021	16:15	Lapwing	80	improved agricultural grassland and depositing/lowland rivers; flying, flying about, back down to flooded field west of bridge	AM
L.010	Durrow Curragh	03/01/2022	09:25	Lapwing	60	improved agricultural grassland; flying, flock west of wooden bridge	AM
L.011	Black Island	03/01/2022	09:40	Lapwing	30	improved agricultural grassland and depositing/lowland rivers; flying, over black island	AM
L.012	Black Island	03/01/2022	10:30	Lapwing	25	improved agricultural grassland; roosting, in flooded field	AM
L.013	Durrow Curragh	19/01/2022	09:50	Lapwing	150	depositing/lowland rivers and improved agricultural grassland; flying, circling with golden plover west of bridge	AM
L.014	Durrow Curragh	19/01/2022	15:29	Lapwing	320	depositing/lowland rivers and improved agricultural grassland; flying, landed, circling to west, down to fields	AM
L.015	Lismaine Bridge	19/04/2022	11:13	Lapwing	1	wet grassland; foraging	CB
L.016	Lismaine Bridge	25/04/2022	14:53	Lapwing	2	improved agricultural grassland, depositing/lowland rivers and wet grassland; mobbed, attacked by rooks	CB
L.017	Lismaine Bridge	05/05/2022	11:30	Lapwing	2	tilled land; foraging	CB
L.018	Lismaine Bridge	19/05/2022	17:45	Lapwing	2	arable crops; foraging	CB
L.019	River Nore	29/10/2022	10:35	Lapwing	20	depositing/lowland rivers; flying	KW
L.020	River Nore	12/11/2022	10:25	Lapwing	50	depositing/lowland rivers; foraging	KW
L.021	River Nore	12/11/2022	11:24	Lapwing	80	depositing/lowland rivers; flying	KW

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
L.022	River Nore	29/11/2022	10:27	Lapwing	4	wet grassland; foraging	KW
L.023	Castle Durrow Demesne	29/11/2022	14:33	Lapwing	50	wet grassland; flying	KW
L.024	River Nore	23/12/2022	09:01	Lapwing	200	improved agricultural grassland; flying	KW
L.025	River Nore	23/12/2022	10:08	Lapwing	48	wet grassland; roosting	KW
L.026	River Nore	23/12/2022	10:23	Lapwing	50	improved agricultural grassland; flying	KW
L.027	Erkina floodland	23/12/2022	14:06	Lapwing	80	wet grassland; roosting	KW
L.028	River Nore	11/01/2023	09:38	Lapwing	5	improved agricultural grassland; flying	KW
L.029	River Nore	11/01/2023	09:45	Lapwing	180	improved agricultural grassland; flying	KW
L.030	River Nore	11/01/2023	10:29	Lapwing	56	improved agricultural grassland; roosting	KW
L.031	River Nore	23/01/2023	10:24	Lapwing	60	improved agricultural grassland; roosting	KW
L.032	River Nore	23/01/2023	15:00	Lapwing	35	wet grassland; foraging	KW
L.033	River Nore	11/02/2023	09:09	Lapwing	40	improved agricultural grassland; flying	KW
L.034	Newtown	11/02/2023	13:59	Lapwing	250	wet grassland; flying	KW
L.035	River Goul floodland	28/03/2023	14:53	Lapwing	18	improved agricultural grassland; flying	KW



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Map Legend

-  Proposed Development
-  Survey Area
-  Proposed Turbine Layout
-  Observation



Drawing Title	
Waterbird Distribution and Abundance Survey Lapwing	
Project Title	
Seskin Renewables Wind Farm	
Drawn By	Checked By
NL	PM
Project No.	Drawing No.
231103	Fig. 7.4.21
Scale	Date
1:75,000	17/06/2025
 MKO Planning and Environmental Consultants Tuam Road, Galway Ireland, H91 VW84 +353 (0) 91 735611 email: info@mkofireland.ie Website: www.mkofireland.ie	

10.

SNIPE

Table 7 - 4 - 23 Snipe Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
SN001	VP2	28/10/2021	09:46	Snipe	1	45	15	30	0	0	improved agricultural grassland; flying, flew in calling and down to ground	AM
SN002	VP1	28/10/2021	17:03	Snipe	1	45	0	0	45	0	improved agricultural grassland; flying, calling, calling in flight over VP	AM
SN003	VP1	15/11/2021	17:15	Snipe	1	-	-	-	-	-	improved agricultural grassland; flying, heard but not seen, flying north though site	AM
SN004	VP1	10/12/2021	07:59	Snipe	1	45	0	45	0	0	improved agricultural grassland; flying, calling in flight, north west past VP	AM
SN005	VP1	10/12/2021	09:49	Snipe	1	30	0	30	0	0	improved agricultural grassland; flying, calling, flew through site	AM
SN006	VP1	17/01/2022	12:22	Snipe	1	30	0	0	30	0	improved agricultural grassland; flying, calling, flying high through site	AM

Table 7 - 4 - 24 Snipe Breeding Walkover Survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SN001	09/04/2022	16:15	-	Snipe	1	improved agricultural grassland; landed (flyover; non-breeding)	GH
SN002	09/04/2022	16:55	-	Snipe	1	improved agricultural grassland and hedgerows; flying (flyover; non-breeding)	GH
SN003	16/06/2023	13:47	-	Snipe	1	wet grassland; flying, up from field calling (suitable nesting habitat; possible breeder)	AM

Table 7 - 4 - 25 Snipe Winter Walkover Survey data

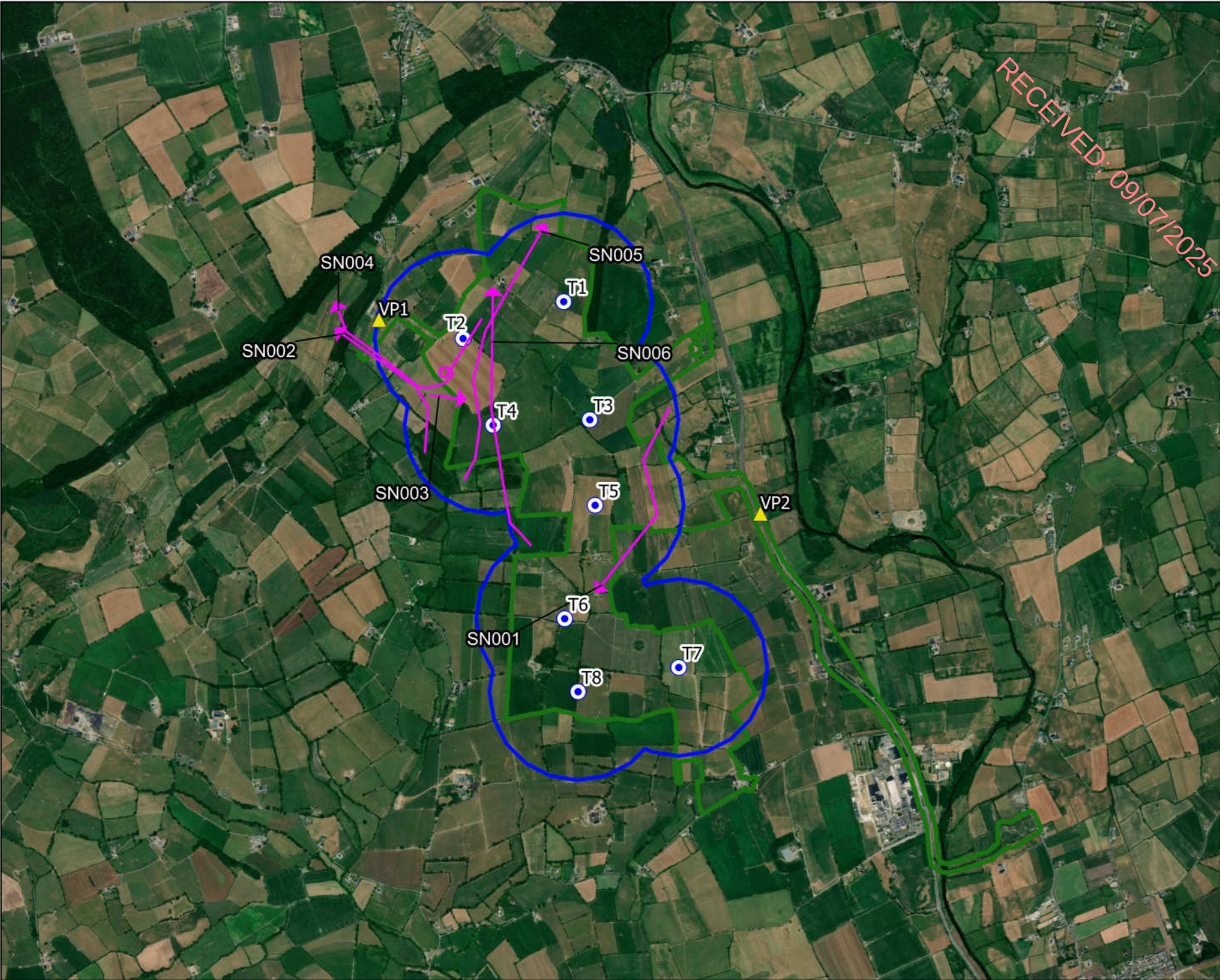
Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SN001	11/01/2022	15:25	-	Snipe	1	improved agricultural grassland; flying, flushed in field, calling	AM
SN002	04/03/2022	11:05	-	Snipe	2	improved agricultural grassland; flying, flushed, up from field	AM
SN003	04/03/2022	13:15	-	Snipe	1	improved agricultural grassland; flying, up from field calling	AM
SN004	26/10/2022	09:34	-	Snipe	1	wet grassland; flushed	KW
SN005	26/10/2022	09:36	-	Snipe	2	wet grassland; flushed	KW
SN006	26/10/2022	13:29	-	Snipe	1	improved agricultural grassland; flushed	KW

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SN007	26/10/2022	13:39	-	Snipe	1	improved agricultural grassland; flushed	KW
SN008	09/12/2022	10:22	-	Snipe	3	drainage ditches; flushed	KW
SN009	09/12/2022	10:45	-	Snipe	5	drainage ditches; flushed	KW
SN010	09/12/2022	10:52	-	Snipe	1	improved agricultural grassland; flushed	KW
SN011	09/12/2022	11:48	-	Snipe	1	improved agricultural grassland; flushed	KW
SN012	09/12/2022	12:04	-	Snipe	2	improved agricultural grassland; flushed	KW
SN013	09/12/2022	12:13	-	Snipe	8	improved agricultural grassland; flushed	KW
SN014	09/12/2022	12:34	-	Snipe	2	wet grassland; flushed	KW
SN015	20/01/2023	11:27	-	Snipe	1	improved agricultural grassland; flushed	KW
SN016	20/01/2023	11:49	-	Snipe	1	improved agricultural grassland; flushed	KW
SN017	20/01/2023	13:02	-	Snipe	1	improved agricultural grassland; flushed	KW
SN018	20/01/2023	13:30	-	Snipe	3	improved agricultural grassland; flushed	KW
SN019	20/01/2023	14:07	-	Snipe	2	improved agricultural grassland; flushed	KW
SN020	20/01/2023	15:07	-	Snipe	24	wet grassland; flushed	KW

Table 7 - 4 - 26 Snipe Waterbird Distribution and Abundance data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN001	Durrow Curragh	26/11/2021	16:55	Snipe	2	depositing/lowland rivers and improved agricultural grassland; flying, flew east low over bridge calling	AM
SN002	River Nore	12/11/2022	07:35	Snipe	4	depositing/lowland rivers; flushed	KW
SN003	River Nore	12/11/2022	08:47	Snipe	1	depositing/lowland rivers; flushed	KW
SN004	River Nore	29/11/2022	11:53	Snipe	6	wet grassland; flushed	KW
SN005	River Nore	10/12/2022	09:38	Snipe	13	depositing/lowland rivers; flushed	KW
SN006	River Nore	10/12/2022	09:48	Snipe	26	depositing/lowland rivers; flushed	KW
SN007	River Nore	10/12/2022	10:32	Snipe	9	depositing/lowland rivers; flushed	KW
SN008	River Nore	10/12/2022	10:44	Snipe	1	depositing/lowland rivers; flying	KW
SN009	River Nore	10/12/2022	11:16	Snipe	2	depositing/lowland rivers; flushed	KW
SN010	River Nore	10/12/2022	13:54	Snipe	3	depositing/lowland rivers; flushed	KW
SN011	River Nore	23/12/2022	11:38	Snipe	4	wet grassland; flushed	KW

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SN012	River Nore	11/01/2023	11:38	Snipe	4	wet grassland; flushed	KW
SN013	River Nore	11/01/2023	12:28	Snipe	3	wet grassland; flushed	KW
SN014	River Nore	23/01/2023	10:25	Snipe	4	improved agricultural grassland; foraging	KW
SN015	River Nore	23/01/2023	12:58	Snipe	2	improved agricultural grassland; flushed	KW
SN016	River Nore	22/02/2023	11:10	Snipe	4	depositing/lowland rivers; flushed	KW
SN017	River Nore	22/02/2023	11:38	Snipe	1	wet grassland; flushed	KW
SN018	River Nore	13/03/2023	12:48	Snipe	6	wet grassland; flushed	KW
SN019	River Nore	28/03/2023	12:33	Snipe	1	wet grassland; flushed	KW



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- Map Legend
- Proposed Development
 - Proposed Turbine Layout
 - 500m Buffer of Proposed Turbine Layout
 - Vantage Point Location
 - Flight Observation



Drawing Title	
Vantage Point Survey Snipe Observations	
Project Title	
Seskin Renewables Wind Farm	
Drawn By	Checked By
NL	PM
Project No.	Drawing No.
231103	Fig. 7.4.22
Scale	Date
1:28,000	17/06/2025
MKO Planning and Environmental Consultants Tuam Road, Galway Ireland, H91 VW84 +353 (0) 91 735611 email: info@mkofireland.ie Website: www.mkofireland.ie	

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Map Legend

-  Proposed Development
-  Proposed Turbine Layout
-  Survey Area
-  Observation



Drawing Title

Breeding Walkover Survey
Snipe Observation

Project Title

Seskin Renewables Wind Farm

Drawn By

NL

Checked By

PM

Project No.

231103

Drawing No.

Fig. 7.4.23

Scale

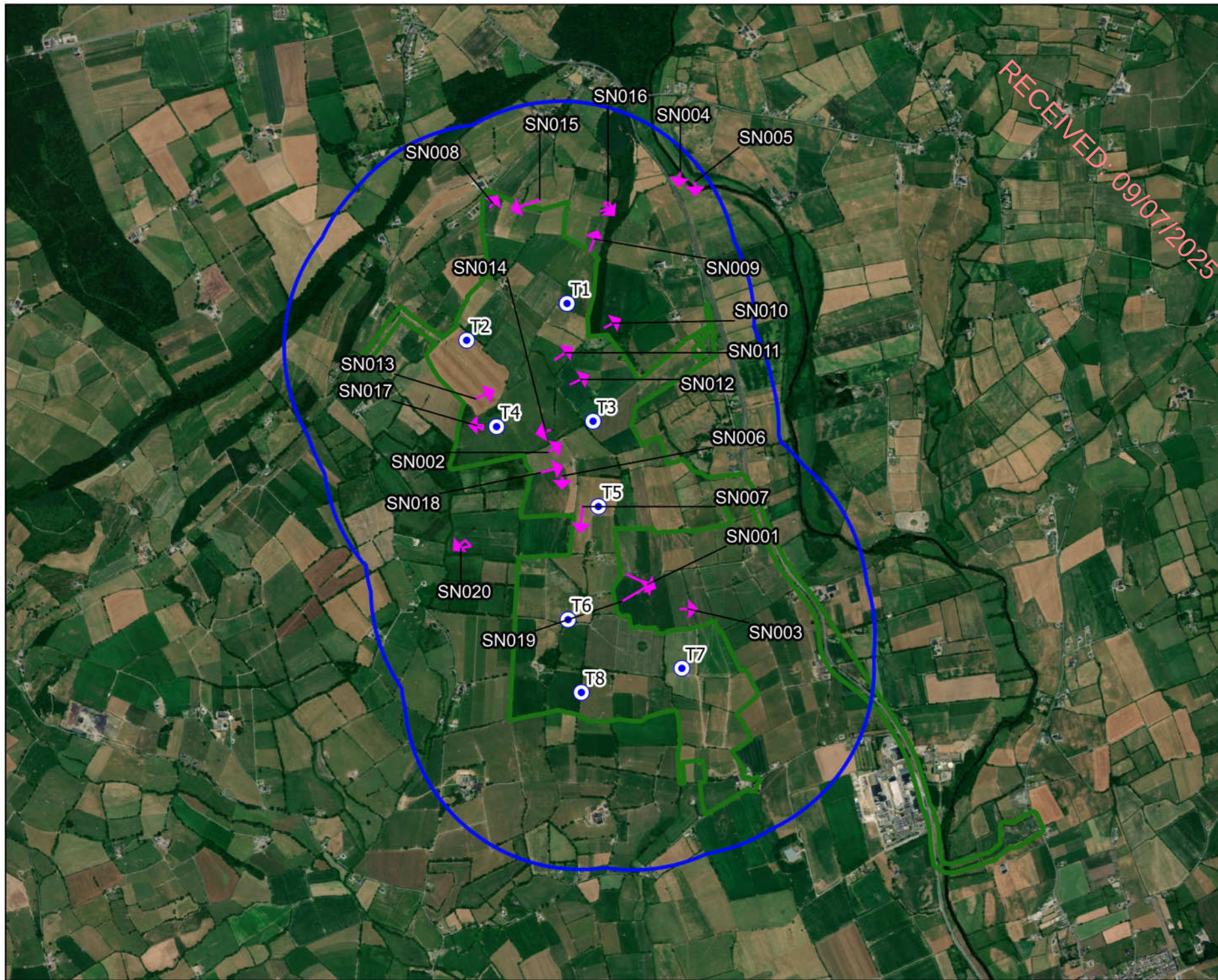
1:28,000

Date

17/06/2025



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Map Legend

- Proposed Development
- Proposed Turbine Layout
- Survey Area
- Observations



Drawing Title

Winter Walkover Survey
Snipe Observations

Project Title

Seskin Renewables Wind Farm

Drawn By

NL

Checked By

PM

Project No.

231103

Drawing No.

Fig. 7.4.24

Scale

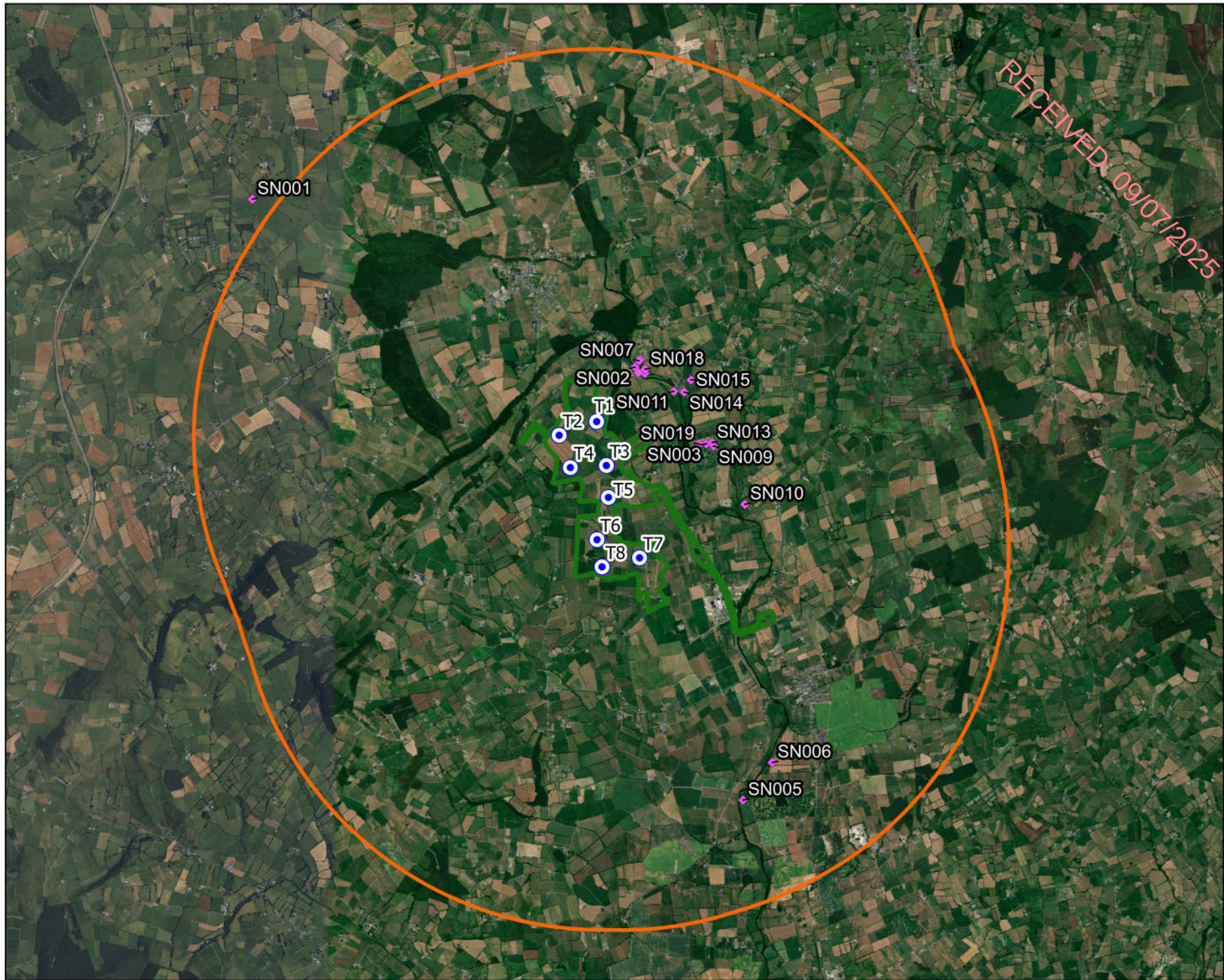
1:28,000

Date

17/06/2025



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Map Legend

-  Proposed Development
-  Survey Area
-  Proposed Turbine Layout
-  Observation



Drawing Title	
Waterbird Distribution and Abundance Survey Snipe	
Project Title	
Seskin Renewables Wind Farm	
Drawn By	Checked By
NL	PM
Project No.	Drawing No.
231103	Fig. 7.4.25
Scale	Date
1:75,000	17/06/2025
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11.

WOODCOCK

Table 7 - 4 - 27 Woodcock Winter Walkover Survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
WK001	09/12/2022	09:56	-	Woodcock	1	hedgerows; flushed, under hawthorn hedgerow	KW
WK002	09/12/2022	10:48	-	Woodcock	1	marsh; flushed, out of juncus/marsh area possibly same bird as earlier	KW



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Map Legend

- Proposed Development
- Proposed Turbine Layout
- Survey Area
- Observations

Drawing Title

Winter Walkover Survey
Woodcock Observations

Project Title

Seskin Renewables Wind Farm

Drawn By	Checked By
NL	PM
Project No.	Drawing No.
231103	Fig. 7.4.26
Scale	Date
1:28,000	17/06/2025

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12.

BUZZARD

Table 7 - 4 - 28 Buzzard Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ001	VP1	28/10/2021	16:15	Buzzard	1	15	15	0	0	0	hedgerows and improved agricultural grassland; flying, landed, flew from tree to ground, foraging	AM
BZ002	VP1	28/10/2021	16:25	Buzzard	1	45	45	0	0	0	improved agricultural grassland; flying, mobbed, away from field, mobbed by hooded crow, flew across field	AM
BZ003	VP1	28/10/2021	16:29	Buzzard	1	30	30	0	0	0	improved agricultural grassland; flying, buzzard away again, flew fast, low	AM
BZ004	VP1	04/11/2021	11:59	Buzzard	1	90	30	60	0	0	improved agricultural grassland and hedgerows; soaring, circling, soaring up, then away south	AM
BZ005	VP2	04/11/2021	16:11	Buzzard	1	30	30	0	0	0	improved agricultural grassland and hedgerows; flying, perched, flew onto tree on slope	AM
BZ006	VP2	15/11/2021	12:04	Buzzard	1	15	15	0	0	0	treelines and improved agricultural grassland; flying, away from perch in tree	AM
BZ007	VP1	10/12/2021	12:54	Buzzard	1	30	30	0	0	0	improved agricultural grassland; flying, along ridge, onto tree on side of hill	AM
BZ008	VP2	17/12/2021	08:34	Buzzard	1	30	30	0	0	0	improved agricultural grassland; flying, circling near summit, away north	AM
BZ009	VP2	17/12/2021	08:58	Buzzard	1	15	15	0	0	0	improved agricultural grassland; flying, perched, onto power pole	AM
BZ010	VP2	17/12/2021	08:58	Buzzard	1	-	-	-	-	-	improved agricultural grassland; perched, on power pole, perched, mobbed by crows	AM
BZ011	VP2	17/12/2021	09:09	Buzzard	1	15	15	0	0	0	improved agricultural grassland; flying, away across slope	AM
BZ012	VP2	17/12/2021	09:28	Buzzard	1	45	30	15	0	0	improved agricultural grassland and treelines; circling, hunting, circling across slope, into trees	AM
BZ013	VP2	17/12/2021	12:48	Buzzard	1	15	15	0	0	0	improved agricultural grassland; flying, mobbed by crows	AM
BZ014	VP2	10/01/2022	14:26	Buzzard	1	45	0	45	0	0	treelines and improved agricultural grassland; flying, perched, probably flushed, circled over VP then flew across road	AM
BZ015	VP1	17/01/2022	11:51	Buzzard	1	45	45	0	0	0	improved agricultural grassland; flying, perched, circling over farmland, perched	AM

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ016	VP1	17/01/2022	11:51	Buzzard	1	-	-	-	-	-	hedgerows and improved agricultural grassland; perched, perched in tree 11:51-12:03, not seen leave	AM
BZ017	VP1	17/01/2022	16:05	Buzzard	1	15	15	0	0	0	improved agricultural grassland; flying, flew low and fast cross field	AM
BZ018	VP1	02/02/2022	08:46	Buzzard	1	45	45	0	0	0	improved agricultural grassland and hedgerows; flying, flew across fields into tree in hedgerow	AM
BZ019	VP1	02/02/2022	12:16	Buzzard	1	45	30	15	0	0	improved agricultural grassland and treelines; soaring, flying, circling to south then flew north, flushed redwing & fieldfare flock, onto scots pine	AM
BZ020	VP1	02/02/2022	12:16	Buzzard	1	-	-	-	-	-	hedgerows and improved agricultural grassland; perched, on scots pine to east of VP, mobbed by hooded crow	AM
BZ021	VP2	21/02/2022	10:11	Buzzard	1	60	45	15	0	0	improved agricultural grassland; circling, circling up over ridge	AM
BZ022	VP2	21/02/2022	12:12	Buzzard	1	90	90	0	0	0	improved agricultural grassland; soaring, circling, circling to east of site	AM
BZ023	VP2	21/02/2022	12:57	Buzzard	1	60	60	0	0	0	improved agricultural grassland; soaring, soaring to east of river	AM
BZ026	VP1	01/03/2022	13:35	Buzzard	1	45	0	45	0	0	improved agricultural grassland and treelines; circling, over ridge to east of VP	AM
BZ027	VP1	01/03/2022	15:07	Buzzard	1	90	0	90	0	0	improved agricultural grassland and treelines; soaring, soaring over hill to east	AM
BZ028	VP1	01/03/2022	16:11	Buzzard	2	195	0	0	15	180	improved agricultural grassland; soaring, soaring high, hunting, dropped fast, mobbed by 2nd buzzard	AM
BZ029	VP1	01/03/2022	17:01	Buzzard	1	30	30	0	0	0	improved agricultural grassland; flying, flew low and fast over hedge and fields	AM
BZ030	VP1	01/03/2022	17:09	Buzzard	1	15	15	0	0	0	hedgerows and improved agricultural grassland; flying, seen briefly behind trees, in and out of sight	AM
BZ031	VP2	15/03/2022	13:11	Buzzard	2	90	90	0	0	0	improved agricultural grassland and treelines; soaring, pair soaring and calling to north east of VP	AM
BZ032	VP2	15/03/2022	13:56	Buzzard	1	45	15	30	0	0	improved agricultural grassland; flying, circling, buzzard circling over right, away west	AM
BZ033	VP2	15/03/2022	17:13	Buzzard	1	30	30	0	0	0	improved agricultural grassland; flying, bird circling, away north west	AM
BZ034	VP1	06/05/2022	19:45	Buzzard	1	6	6	0	0	0	improved agricultural grassland; flying, being mobbed by hooded crow	GH

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
BZ035	VP2	05/07/2022	11:23	Buzzard	1	8	0	8	0	0	improved agricultural grassland; hunting	GH
BZ036	VP2	05/07/2022	12:35	Buzzard	1	15	0	5	10	0	improved agricultural grassland; circling	GH
BZ037	VP2	05/07/2022	16:36	Buzzard	1	-	-	-	-	-	improved agricultural grassland; perched, flew off	GH
BZ038	VP1	07/07/2022	08:08	Buzzard	1	4	4	0	0	0	improved agricultural grassland; flying	GH
BZ039	VP1	07/07/2022	11:46	Buzzard	1	210	2	5	203	0	improved agricultural grassland; flying	GH
BZ044	VP1	16/07/2022	12:45	Buzzard	1	15	2	13	0	0	improved agricultural grassland; hunting, bird present all day	GH
BZ046	VP1	24/08/2022	11:05	Buzzard	1	12	12	0	0	0	hedgerows and hedgerows; flying, flew 500m along hedgerow	KW
BZ047	VP1	24/08/2022	11:07	Buzzard	1	34	25	9	0	0	hedgerows and improved agricultural grassland; flying, adult buzzard, mobbed off hedgerow by 2 hooded crows, glided slowly south	KW
BZ049	VP1	24/08/2022	13:45	Buzzard	1	39	39	0	0	0	improved agricultural grassland; flying, adult	KW
BZ051	VP1	25/08/2022	10:53	Buzzard	1	22	22	0	0	0	improved agricultural grassland; flying, adult	KW
BZ052	VP1	25/08/2022	14:56	Buzzard	1	194	18	176	0	0	hedgerows and improved agricultural grassland; soaring, adult	KW
BZ053	VP1	25/08/2022	14:59	Buzzard	1	4	4	0	0	0	improved agricultural grassland; flying, adult	KW
BZ056	VP2	26/08/2022	16:33	Buzzard	1	255	0	48	207	0	improved agricultural grassland; hunting, adult	KW
BZ057	VP2	26/08/2022	17:25	Buzzard	1	18	0	18	0	0	improved agricultural grassland; flying, adult	KW
BZ058	VP2	26/08/2022	18:43	Buzzard	1	2	0	0	2	0	improved agricultural grassland; flying, perched on pole	KW
BZ059	VP2	26/08/2022	18:48	Buzzard	1	4	0	0	4	0	improved agricultural grassland; flying, perched on cattle trough	KW
BZ061	VP2	27/08/2022	15:01	Buzzard	1	123	0	0	123	0	improved agricultural grassland; hunting, circling over hilltop, dropped behind	KW
BZ062	VP2	27/08/2022	15:18	Buzzard	1	3	3	0	0	0	improved agricultural grassland; flying, dropped from wire	KW
BZ063	VP2	27/08/2022	15:34	Buzzard	1	23	0	23	0	0	improved agricultural grassland; flying, adult	KW
BZ064	VP2	27/08/2022	16:41	Buzzard	1	322	0	0	214	108	improved agricultural grassland; soaring, soared out of view	KW
BZ065	VP2	27/08/2022	16:42	Buzzard	2	214	0	0	214	0	improved agricultural grassland; soaring, dived out of view	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ066	VP2	27/08/2022	16:59	Buzzard	1	193	0	4	189	0	improved agricultural grassland and treelines; soaring, adult	KW
BZ068	VP2	28/08/2022	14:53	Buzzard	1	4	4	0	0	0	improved agricultural grassland and hedgerows; flying, adult	KW
BZ069	VP2	28/08/2022	15:09	Buzzard	1	618	22	36	560	0	improved agricultural grassland and treelines; soaring, adult soared with juvenile	KW
BZ070	VP2	28/08/2022	15:09	Buzzard	1	596	0	36	560	0	improved agricultural grassland; hunting, juvenile soared with adult buzzard, both birds dropped to treeline	KW
BZ071	VP2	28/08/2022	15:41	Buzzard	1	22	22	0	0	0	improved agricultural grassland; flying	KW
BZ072	VP2	28/08/2022	15:44	Buzzard	1	-	-	-	-	-	buildings and artificial surfaces; perched, telegraph pole	KW
BZ073	VP2	28/08/2022	15:51	Buzzard	1	6	6	0	0	0	improved agricultural grassland; flying	KW
BZ074	VP2	28/08/2022	16:21	Buzzard	1	17	17	0	0	0	improved agricultural grassland and hedgerows; flying, adult	KW
BZ075	VP2	28/08/2022	17:01	Buzzard	1	307	0	2	305	0	improved agricultural grassland; hunting, adult	KW
BZ076	VP1	07/09/2022	14:42	Buzzard	1	56	3	33	20	0	improved agricultural grassland and hedgerows; hunting	CB
BZ077	VP1	07/09/2022	18:53	Buzzard	1	-	-	-	-	-	improved agricultural grassland; foraging, juvenile	CB
BZ078	VP1	07/09/2022	19:08	Buzzard	1	10	10	0	0	0	improved agricultural grassland and hedgerows; flying, perched, took off from ground in field, briefly perched on fencepost before heading over hedgerow into next field	CB
BZ079	VP2	09/09/2022	18:26	Buzzard	1	20	20	0	0	0	improved agricultural grassland; flying, calling	CB
BZ080	VP2	09/09/2022	20:15	Buzzard	1	-	-	-	-	-	improved agricultural grassland; perched, not seen leave, but calls heard a couple minutes later	CB
BZ081	VP2	19/10/2022	09:05	Buzzard	1	18	0	18	0	0	improved agricultural grassland; flying	KW
BZ082	VP2	19/10/2022	10:24	Buzzard	2	701	0	0	701	0	improved agricultural grassland; hunting, adult and juvenile	KW
BZ083	VP2	19/10/2022	11:33	Buzzard	1	24	24	0	0	0	improved agricultural grassland and hedgerows; flying	KW
BZ084	VP2	19/10/2022	11:41	Buzzard	2	124	0	124	0	0	improved agricultural grassland; flying	KW
BZ085	VP1	22/10/2022	07:34	Buzzard	1	74	0	74	0	0	improved agricultural grassland; hunting	KW
BZ088	VP1	08/11/2022	14:01	Buzzard	1	324	0	0	324	0	improved agricultural grassland; hunting	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ089	VP2	09/11/2022	12:24	Buzzard	1	18	18	0	0	0	improved agricultural grassland; flying	KW
BZ090	VP1	23/12/2022	11:41	Buzzard	1	12	0	12	0	0	improved agricultural grassland; flying	KW
BZ091	VP2	05/01/2023	14:34	Buzzard	1	49	49	0	0	0	improved agricultural grassland; hunting	KW
BZ092	VP2	05/01/2023	15:46	Buzzard	1	28	28	0	0	0	improved agricultural grassland; flying	KW
BZ093	VP1	12/01/2023	12:21	Buzzard	1	36	0	18	18	0	improved agricultural grassland and treelines; hunting	KW
BZ094	VP1	12/01/2023	15:18	Buzzard	2	54	0	54	0	0	improved agricultural grassland; flying	KW
BZ095	VP1	09/02/2023	07:30	Buzzard	1	28	0	28	0	0	treelines and improved agricultural grassland; flying	KW
BZ096	VP1	09/02/2023	11:28	Buzzard	1	161	34	127	0	0	improved agricultural grassland; hunting	KW
BZ097	VP1	09/02/2023	11:32	Buzzard	1	88	0	5	83	0	improved agricultural grassland; hunting	KW
BZ098	VP1	09/02/2023	12:22	Buzzard	1	49	49	0	0	0	improved agricultural grassland; hunting	KW
BZ099	VP1	09/02/2023	12:24	Buzzard	2	473	3	12	458	0	improved agricultural grassland; soaring	KW
BZ100	VP1	09/02/2023	12:26	Buzzard	1	232	0	0	232	0	improved agricultural grassland; soaring	KW
BZ101	VP1	09/02/2023	13:11	Buzzard	3	56	0	0	0	56	improved agricultural grassland; soaring	KW
BZ102	VP1	09/02/2023	13:12	Buzzard	1	44	0	0	0	44	improved agricultural grassland and hedgerows; flying	KW
BZ103	VP2	13/02/2023	07:41	Buzzard	1	43	28	15	0	0	improved agricultural grassland; flying	KW
BZ104	VP2	13/02/2023	08:01	Buzzard	1	14	14	0	0	0	improved agricultural grassland; flying	KW
BZ105	VP2	13/02/2023	08:29	Buzzard	1	197	76	121	0	0	improved agricultural grassland; hunting	KW
BZ106	VP2	13/02/2023	08:39	Buzzard	1	381	0	381	0	0	improved agricultural grassland; hunting	KW
BZ107	VP2	13/02/2023	08:39	Buzzard	1	276	0	276	0	0	improved agricultural grassland; hunting	KW
BZ108	VP2	13/02/2023	08:41	Buzzard	1	204	65	139	0	0	improved agricultural grassland; hunting	KW
BZ109	VP2	13/02/2023	08:57	Buzzard	2	188	188	0	0	0	improved agricultural grassland; hunting	KW
BZ110	VP2	13/02/2023	09:08	Buzzard	2	336	0	336	0	0	improved agricultural grassland; hunting	KW
BZ111	VP2	13/02/2023	09:26	Buzzard	1	265	1	2	262	0	improved agricultural grassland; hunting	KW
BZ112	VP2	13/02/2023	10:49	Buzzard	1	174	3	25	146	0	improved agricultural grassland; hunting	KW
BZ113	VP2	13/02/2023	11:21	Buzzard	1	39	0	39	0	0	improved agricultural grassland; hunting	KW
BZ114	VP2	13/02/2023	11:24	Buzzard	2	340	27	24	289	0	improved agricultural grassland; hunting	KW
BZ115	VP2	13/02/2023	12:41	Buzzard	1	220	68	152	0	0	improved agricultural grassland; flying	KW
BZ116	VP2	13/02/2023	12:45	Buzzard	1	89	0	89	0	0	improved agricultural grassland; flying	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ117	VP2	13/02/2023	12:48	Buzzard	1	22	22	0	0	0	improved agricultural grassland; flying	KW
BZ118	VP2	13/02/2023	12:49	Buzzard	1	28	28	0	0	0	improved agricultural grassland; hunting	KW
BZ119	VP2	13/02/2023	13:14	Buzzard	2	73	0	73	0	0	improved agricultural grassland and treelines; flying, adolescent	KW
BZ121	VP1	20/03/2023	13:14	Buzzard	3	576	0	89	487	0	improved agricultural grassland; flying	KW
BZ122	VP1	20/03/2023	13:39	Buzzard	1	48	48	0	0	0	improved agricultural grassland and hedgerows; flying	KW
BZ123	VP1	20/03/2023	14:23	Buzzard	1	213	12	146	55	0	improved agricultural grassland; hunting	KW
BZ124	VP1	20/03/2023	15:43	Buzzard	1	36	0	36	0	0	improved agricultural grassland and hedgerows; flying	KW
BZ125	VP1	20/03/2023	15:49	Buzzard	1	58	5	0	53	0	improved agricultural grassland; flying	KW
BZ126	VP2	21/03/2023	14:58	Buzzard	1	89	0	89	0	0	improved agricultural grassland; flying	KW
BZ127	VP2	21/03/2023	15:24	Buzzard	1	232	0	12	220	0	hedgerows and improved agricultural grassland; hunting	KW
BZ128	VP2	21/03/2023	17:04	Buzzard	1	194	26	168	0	0	improved agricultural grassland; hunting	KW
BZ129	VP2	21/03/2023	18:24	Buzzard	1	106	0	106	0	0	improved agricultural grassland; flying	KW
BZ130	VP2	21/03/2023	18:38	Buzzard	1	24	24	0	0	0	improved agricultural grassland; flying	KW
BZ131	VP1	03/04/2023	11:40	Buzzard	1	218	0	0	218	0	improved agricultural grassland and mixed broadleaved/conifer woodland; circling, soaring, buzzard circling/soaring over woodland and farmland.	TK
BZ132	VP2	11/05/2023	15:48	Buzzard	1	45	15	30	0	0	improved agricultural grassland and treelines; flying, perched, flew across slope heading south, landed in tree	AM
BZ133	VP2	11/05/2023	19:22	Buzzard	1	45	0	15	30	0	improved agricultural grassland; circling, flying, drifted north out of view	AM
BZ135	VP1	26/05/2023	17:01	Buzzard	1	60	0	30	30	0	improved agricultural grassland; flying, hunting, flying south, hunting	AM
BZ137	VP1	12/06/2023	12:03	Buzzard	1	246	0	0	246	0	improved agricultural grassland; hunting	KW
BZ138	VP1	12/06/2023	12:38	Buzzard	1	33	33	0	0	0	improved agricultural grassland and treelines; flying, rollercoaster dive	KW
BZ139	VP2	21/06/2023	10:02	Buzzard	1	1684	0	0	1684	0	treelines and improved agricultural grassland; soaring, adult	KW
BZ140	VP2	21/06/2023	10:08	Buzzard	1	1207	0	0	1207	0	treelines; soaring, adult	KW
BZ141	VP2	21/06/2023	10:10	Buzzard	1	1173	0	0	1173	0	improved agricultural grassland; soaring, adult	KW

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
BZ142	VP2	21/06/2023	11:34	Buzzard	1	249	0	249	0	0	improved agricultural grassland; hunting	KW
BZ143	VP2	21/06/2023	11:42	Buzzard	1	28	28	0	0	0	improved agricultural grassland; flying	KW
BZ144	VP2	21/06/2023	14:01	Buzzard	1	289	0	0	289	0	treelines and improved agricultural grassland; soaring	KW
BZ145	VP2	21/06/2023	14:21	Buzzard	1	14	0	0	14	0	improved agricultural grassland; hunting	KW
BZ146	VP2	21/06/2023	14:49	Buzzard	1	289	0	46	243	0	improved agricultural grassland; hunting	KW
BZ147	VP1	07/07/2023	12:21	Buzzard	1	139	0	0	139	0	improved agricultural grassland; hunting	KW
BZ148	VP1	07/07/2023	14:15	Buzzard	1	311	0	110	201	0	improved agricultural grassland; hunting	KW
BZ149	VP2	17/07/2023	09:41	Buzzard	1	317	0	165	152	0	treelines and improved agricultural grassland; soaring, hunting	KW
BZ152	VP2	17/07/2023	10:53	Buzzard	1	159	15	26	118	0	treelines and improved agricultural grassland; soaring	KW
BZ153	VP2	17/07/2023	10:58	Buzzard	1	319	0	0	319	0	treelines; soaring, hunting	KW
BZ154	VP2	17/07/2023	11:21	Buzzard	1	6	6	0	0	0	improved agricultural grassland; flying	KW
BZ155	VP2	17/07/2023	12:33	Buzzard	1	74	0	12	62	0	improved agricultural grassland; flying	KW
BZ156	VP2	17/07/2023	12:50	Buzzard	1	5	5	0	0	0	improved agricultural grassland; hunting, female	KW
BZ161	VP1	15/08/2023	14:23	Buzzard	1	8	8	0	0	0	treelines and treelines; flying	KW
BZ162	VP1	15/08/2023	14:23	Buzzard	1	12	12	0	0	0	treelines and treelines; flying	KW
BZ163	VP1	18/08/2023	08:45	Buzzard	1	8	8	0	0	0	improved agricultural grassland; flying	KW
BZ164	VP2	21/08/2023	12:19	Buzzard	1	182	0	6	176	0	treelines and improved agricultural grassland; hunting	KW
BZ165	VP2	21/08/2023	13:10	Buzzard	1	179	0	55	124	0	treelines and improved agricultural grassland; soaring	KW
BZ166	VP2	21/08/2023	17:01	Buzzard	1	34	0	34	0	0	improved agricultural grassland; flying	KW
BZ168	VP2	20/09/2023	09:09	Buzzard	1	257	0	18	239	0	improved agricultural grassland and treelines; flying, circling	KW
BZ169	VP2	20/09/2023	10:22	Buzzard	1	29	29	0	0	0	improved agricultural grassland and hedgerows; flying	KW
BZ170	VP2	20/09/2023	11:33	Buzzard	1	113	0	113	0	0	improved agricultural grassland; hunting	KW
BZ172	VP2	20/09/2023	12:49	Buzzard	1	149	0	11	138	0	improved agricultural grassland; hunting	KW
BZ174	VP1	23/09/2023	10:13	Buzzard	1	18	18	0	0	0	hedgerows, improved agricultural grassland and hedgerows; flying, adult	KW
BZ175	VP1	23/09/2023	13:39	Buzzard	1	173	0	4	169	0	improved agricultural grassland; hunting	KW

Table 7 - 4 - 29 Buzzard Breeding Walkover Survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ001	09/04/2022	11:25	-	Buzzard	2	improved agricultural grassland and hedgerows; circling (suitable nesting habitat; possible breeder)	GH
BZ002	02/05/2022	12:15	-	Buzzard	1	improved agricultural grassland; flying, mobbed, mobbed by hooded crow (suitable nesting habitat; possible breeder)	GH
BZ003	08/05/2022	13:27	-	Buzzard	1	improved agricultural grassland; flying, mobbed, mobbed by hooded crow (suitable nesting habitat; possible breeder)	GH
BZ004	17/07/2022	09:53	-	Buzzard	1	improved agricultural grassland; flying (suitable nesting habitat; possible breeder)	GH
BZ005	17/07/2022	11:45	-	Buzzard	1	improved agricultural grassland; hunting (suitable nesting habitat; possible breeder)	GH
BZ006	17/07/2022	12:05	-	Buzzard	1	improved agricultural grassland; hunting (suitable nesting habitat; possible breeder)	GH
BZ007	17/07/2022	13:42	-	Buzzard	1	improved agricultural grassland; hunting (suitable nesting habitat; possible breeder)	GH
BZ008	18/07/2022	12:28	-	Buzzard	1	improved agricultural grassland; hunting, recently cut field (suitable nesting habitat; possible breeder)	GH
BZ009	16/04/2023	09:30	-	Buzzard	1	mixed broadleaved/conifer woodland; flying, buzzard flying over woodland. (flyover; non-breeding)	TK
BZ010	18/04/2023	11:36	-	Buzzard	1	mixed broadleaved/conifer woodland and improved agricultural grassland; soaring, buzzard soaring over farmland and woodland. (suitable nesting habitat; possible breeder)	TK
BZ012	08/05/2023	12:29	-	Buzzard	1	wet grassland and treelines; flying, circling, flew across fields, circling (suitable nesting habitat; possible breeder)	AM
BZ013	08/05/2023	12:34	-	Buzzard	1	wet grassland and treelines; circling, circling at bottom of same field as previous observation, possibly same bird (suitable nesting habitat; possible breeder)	AM
BZ015	25/05/2023	15:05	-	Buzzard	1	improved agricultural grassland and treelines; circling, over fields, away north (suitable nesting habitat; possible breeder)	AM
BZ016	16/06/2023	10:52	-	Buzzard	1	mixed broadleaved/conifer woodland and improved agricultural grassland; circling, calling over woodland/fields (suitable nesting habitat; possible breeder)	AM
BZ018	29/06/2023	12:22	-	Buzzard	1	improved agricultural grassland; flying, flying across slope (suitable nesting habitat; possible breeder)	AM
BZ019	19/07/2023	08:23	-	Buzzard	1	improved agricultural grassland; flying, circling, over fields to north (suitable nesting habitat; possible breeder)	AM
BZ021	19/07/2023	14:27	-	Buzzard	1	improved agricultural grassland and mixed broadleaved/conifer woodland; flying, over fields and woodland (suitable nesting habitat; possible breeder)	AM
BZ022	26/07/2023	10:32	-	Buzzard	1	improved agricultural grassland and treelines; flying, circling, flying across field (suitable nesting habitat; possible breeder)	AM

Table 7 - 4 - 30 Buzzard Breeding Raptor Survey data

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ003	BRVP1	20/04/2022	10:58	Buzzard	1	improved grassland and hedgerows, soaring	flyover; non-breeding	AR
BZ005	BRVP1	20/04/2022	11:47	Buzzard	1	improved grassland, hedgerows and highly modified/non-native woodland, soaring	flyover; non-breeding	AR
BZ007	BRVP1	20/04/2022	12:06	Buzzard	1	improved grassland and hedgerows, soaring, different bird than sighting 12	flyover; non-breeding	AR
BZ008	BRVP1	20/04/2022	13:56	Buzzard	1	improved grassland, hedgerows and highly modified/non-native woodland, flying	flyover; non-breeding	AR
BZ009	BRVP1	20/04/2022	14:40	Buzzard	1	improved grassland, hedgerows and highly modified/non-native woodland, flying	flyover; non-breeding	AR
BZ010	BRVP1	20/04/2022	15:06	Buzzard	1	improved grassland and hedgerows, flying	flyover; non-breeding	AR
BZ011	BRVP2	21/04/2022	09:11	Buzzard	1	improved grassland and hedgerows, hunting, mobbed by rook	flyover; non-breeding	AR
BZ012	BRVP2	21/04/2022	09:30	Buzzard	1	improved grassland and hedgerows, flying, same bird as previous	flyover; non-breeding	AR
BZ013	BRVP2	21/04/2022	09:42	Buzzard	1	improved grassland, hedgerows and highly modified/non-native woodland, soaring, soaring over woodland	flyover; non-breeding	AR
BZ014	BRVP2	21/04/2022	10:00	Buzzard	1	improved grassland and hedgerows, soaring, soaring on hilltop	flyover; non-breeding	AR
BZ015	BRVP2	21/04/2022	11:00	Buzzard	1	improved grassland and hedgerows, hunting	flyover; non-breeding	AR
BZ016	BR Walkover	22/04/2022	10:11	Buzzard		improved grassland, soaring	flyover; non-breeding	AR
BZ018	BR Walkover	22/04/2022	12:06	Buzzard	1	improved grassland, hunting	flyover; non-breeding	AR
BZ019	BRVP1	12/05/2022	14:12	Buzzard	1	improved agricultural grassland, hedgerows and buildings and artificial surfaces, flying, mobbed	suitable nesting habitat; possible breeder	TS
BZ020	BRVP2	12/05/2022	18:12	Buzzard	1	improved agricultural grassland, flying, hunting	suitable nesting habitat; possible breeder	TS
BZ021	BRVP2	12/05/2022	18:46	Buzzard	1	improved agricultural grassland and mixed broadleaved/conifer woodland, flying	suitable nesting habitat; possible breeder	TS
BZ022	BRVP2	12/05/2022	19:23	Buzzard	1	improved agricultural grassland, flying, perched	suitable nesting habitat; possible breeder	TS
BZ024	BRVP3	21/05/2022	14:01	Buzzard	1	improved agricultural grassland, flying	suitable nesting habitat; possible breeder	TS
BZ025	BRVP3	21/05/2022	14:05	Buzzard	1	improved agricultural grassland and hedgerows, circling, flying	suitable nesting habitat; possible breeder	TS
BZ026	BRVP3	21/05/2022	14:52	Buzzard	1	improved agricultural grassland and hedgerows, flying, perched	suitable nesting habitat; possible breeder	TS
BZ027	BRVP3	21/05/2022	15:20	Buzzard	1	improved agricultural grassland, circling, flying	suitable nesting habitat; possible breeder	TS
BZ028	BRVP4	21/05/2022	17:20	Buzzard	1	improved agricultural grassland, riparian woodland and oak-ash-hazel woodland, circling, flying	suitable nesting habitat; possible breeder	TS
BZ029	BRVP5	28/05/2022	13:33	Buzzard	1	riparian woodland, improved agricultural grassland and scrub, flying	suitable nesting habitat; possible breeder	TS

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ031	BRVP5	28/05/2022	13:55	Buzzard	1	riparian woodland, improved agricultural grassland and scrub, circling, flying	suitable nesting habitat; possible breeder	TS
BZ033	BRVP5	28/05/2022	15:01	Buzzard	1	riparian woodland, improved agricultural grassland and scrub, circling, flying	suitable nesting habitat; possible breeder	TS
BZ034	BRVP6	28/05/2022	16:56	Buzzard	1	improved agricultural grassland, circling, flying	suitable nesting habitat; possible breeder	TS
BZ035	BRVP6	28/05/2022	17:56	Buzzard	1	recently-felled woodland, improved agricultural grassland and conifer plantation, flying, hunting	suitable nesting habitat; possible breeder	TS
BZ036	BRVP6	28/05/2022	19:08	Buzzard	1	recently-felled woodland, flying, perched	suitable nesting habitat; possible breeder	TS
BZ037	BRVP3	05/07/2022	11:54	Buzzard	1	improved agricultural grassland and hedgerows, soaring	suitable nesting habitat; possible breeder	CB
BZ040	BRVP3	05/07/2022	12:43	Buzzard	1	hedgerows and improved agricultural grassland, perched, travelling	suitable nesting habitat; possible breeder	CB
BZ043	BRVP3	05/07/2022	13:00	Buzzard	1	improved agricultural grassland and hedgerows, soaring	suitable nesting habitat; possible breeder	CB
BZ044	BRVP5	05/07/2022	14:53	Buzzard	1	improved agricultural grassland, travelling, calling	suitable nesting habitat; possible breeder	CB
BZ045	BRVP5	05/07/2022	15:57	Buzzard	1	improved agricultural grassland, travelling	flyover; non-breeding	CB
BZ047	BRVP4	06/07/2022	12:08	Buzzard	1	improved agricultural grassland, hunting, soaring, hovering	suitable nesting habitat; possible breeder	CB
BZ048	BRVP4	06/07/2022	12:44	Buzzard	1	improved agricultural grassland and hedgerows, hunting, mobbed, perched, attacked by hooded crow	suitable nesting habitat; possible breeder	CB
BZ049	BRVP4	06/07/2022	12:51	Buzzard	1	improved agricultural grassland and hedgerows, hunting, travelling	suitable nesting habitat; possible breeder	CB
BZ052	BRVP4	06/07/2022	14:20	Buzzard	1	improved agricultural grassland and hedgerows, soaring, perched	suitable nesting habitat; possible breeder	CB
BZ053	BRVP4	06/07/2022	14:43	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	CB
BZ054	BRVP7	06/07/2022	14:59	Buzzard	1	hedgerows, arable crops and improved agricultural grassland, perched, soaring	suitable nesting habitat; possible breeder	CB
BZ055	BRVP7	06/07/2022	15:19	Buzzard	1	conifer plantation, soaring	suitable nesting habitat; possible breeder	CB
BZ056	BRVP7	06/07/2022	16:28	Buzzard	1	conifer plantation and improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	CB
BZ057	BRVP6	07/07/2022	12:01	Buzzard	1	conifer plantation and recently-felled woodland, hunting, hovering, soaring, buzzard heard calling from same area ~20 minutes beforehand but not seen	singing male; possible breeder	CB
BZ059	BRVP6	07/07/2022	12:24	Buzzard	1	conifer plantation and recently-felled woodland, hunting, hovering, soaring	suitable nesting habitat; possible breeder	CB
BZ061	BRVP6	07/07/2022	13:16	Buzzard	1	recently-felled woodland and conifer plantation, hunting, hovering, perched	suitable nesting habitat; possible breeder	CB
BZ062	BRVP6	07/07/2022	13:33	Buzzard	1	improved agricultural grassland and hedgerows, mobbed, getting mobbed by peregrine	suitable nesting habitat; possible breeder	CB
BZ063	BRVP6	07/07/2022	13:36	Buzzard	1	conifer plantation, improved agricultural grassland and hedgerows, soaring	suitable nesting habitat; possible breeder	CB
BZ065	BRVP6	07/07/2022	14:08	Buzzard	1	recently-felled woodland, improved agricultural grassland and conifer plantation, hunting, hovering, soaring	suitable nesting habitat; possible breeder	CB
BZ066	BRVP8	07/07/2022	14:53	Buzzard	1	improved agricultural grassland and hedgerows, calling	singing male; possible breeder	CB

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ067	BRVP8	07/07/2022	15:21	Buzzard	1	improved agricultural grassland and hedgerows, travelling, perched	flyover; non-breeding	CB
BZ068	BRVP8	07/07/2022	16:47	Buzzard	1	recently-felled woodland, conifer plantation and improved agricultural grassland, hunting, hovering, soaring	suitable nesting habitat; possible breeder	CB
BZ070	BRVP4	27/07/2022	13:24	Buzzard	1	improved agricultural grassland, travelling, perched, preening	suitable nesting habitat; possible breeder	CB
BZ071	BRVP4	27/07/2022	13:25	Buzzard	1	improved agricultural grassland, perched, calling, seen shortly after first bird, perched on same poles, calling while other bird soaring nearby, likely pair	singing male; possible breeder	CB
BZ072	BRVP4	27/07/2022	13:26	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	CB
BZ073	BRVP4	27/07/2022	14:13	Buzzard	1	improved agricultural grassland, perched, travelling, calling	singing male; possible breeder	CB
BZ074	BRVP4	27/07/2022	14:52	Buzzard	1	improved agricultural grassland, calling, perched	suitable nesting habitat; possible breeder	CB
BZ075	BRVP4	27/07/2022	14:54	Buzzard	1	improved agricultural grassland, travelling	suitable nesting habitat; possible breeder	CB
BZ076	BRVP6	28/07/2022	13:19	Buzzard	1	improved agricultural grassland and hedgerows, soaring	suitable nesting habitat; possible breeder	CB
BZ077	BRVP6	28/07/2022	14:41	Buzzard	1	conifer plantation, soaring	suitable nesting habitat; possible breeder	CB
BZ079	BRVP5	09/04/2023	10:56	Buzzard	1	mixed broadleaved/conifer woodland, soaring, buzzard soaring	suitable nesting habitat; possible breeder	TK
BZ080	BRVP6	18/05/2023	08:03	Buzzard	1	hedgerows, perched, mobbed by hooded crow	suitable nesting habitat; possible breeder	KW
BZ082	BRVP3	18/05/2023	12:51	Buzzard	2	improved agricultural grassland, soaring, adult pair, female dived to treeline, male flew off hunting	suitable nesting habitat; possible breeder	KW
BZ084	BRVP3	18/05/2023	13:24	Buzzard	1	treelines and improved agricultural grassland, hunting, soared out of treeline - away east	suitable nesting habitat; possible breeder	KW
BZ085	BRVP5	18/05/2023	15:21	Buzzard	1	improved agricultural grassland, soaring, dived to treeline	suitable nesting habitat; possible breeder	KW
BZ086	BRVP5	18/05/2023	15:27	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ087	BRVP5	18/05/2023	15:58	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW
BZ088	BRVP5	18/05/2023	16:28	Buzzard	1	improved agricultural grassland, soaring, hunting	suitable nesting habitat; possible breeder	KW
BZ091	BRVP5	18/05/2023	17:03	Buzzard	1	improved agricultural grassland and treelines, soaring, dropped back to treeline	suitable nesting habitat; possible breeder	KW
BZ093	BRVP7	19/05/2023	11:59	Buzzard	1	improved agricultural grassland and treelines, flying, into beech tree at edge of woodland	suitable nesting habitat; possible breeder	KW
BZ094	BRVP7	19/05/2023	12:48	Buzzard	1	mixed broadleaved/conifer woodland, soaring, hunting, over grassland	suitable nesting habitat; possible breeder	KW
BZ095	BRVP7	19/05/2023	13:08	Buzzard	2	mixed broadleaved/conifer woodland, soaring, adult pair, male glided away hunting, female back to woodland	suitable nesting habitat; possible breeder	KW
BZ096	BRVP7	19/05/2023	13:17	Buzzard	2	mixed broadleaved/conifer woodland, soaring, female glided east, male glided south	suitable nesting habitat; possible breeder	KW
BZ097	BRVP4	19/05/2023	15:01	Buzzard	1	improved agricultural grassland, soaring, hunting	suitable nesting habitat; possible breeder	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ098	BRVP4	19/05/2023	15:17	Buzzard	1	improved agricultural grassland, hunting, dived towards river	suitable nesting habitat; possible breeder	KW
BZ099	BRVP4	19/05/2023	15:53	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ100	BRVP4	19/05/2023	16:20	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ104	BRVP7	02/06/2023	17:55	Buzzard	1	improved agricultural grassland, soaring, lost in flight below treeline	suitable nesting habitat; possible breeder	KW
BZ105	BRVP7	02/06/2023	18:04	Buzzard	1	improved agricultural grassland and mixed broadleaved woodland, soaring, into treeline	suitable nesting habitat; possible breeder	KW
BZ106	BRVP7	02/06/2023	18:22	Buzzard	1	mixed broadleaved woodland and improved agricultural grassland, flying, initially treetop level, then flew higher to 200m	suitable nesting habitat; possible breeder	KW
BZ107	BRVP7	02/06/2023	18:23	Buzzard	1	mixed broadleaved woodland, flying, briefly up from woodland	suitable nesting habitat; possible breeder	KW
BZ108	BRVP7	02/06/2023	18:43	Buzzard	1	improved agricultural grassland and mixed broadleaved woodland, soaring, back to treeline	suitable nesting habitat; possible breeder	KW
BZ109	BRVP4	06/06/2023	07:48	Buzzard	1	improved agricultural grassland, flying	suitable nesting habitat; possible breeder	KW
BZ111	BRVP4	06/06/2023	08:57	Buzzard	1	hedgerows and hedgerows, flying	suitable nesting habitat; possible breeder	KW
BZ112	BRVP4	06/06/2023	09:28	Buzzard	1	hedgerows and improved agricultural grassland, soaring, hunting	suitable nesting habitat; possible breeder	KW
BZ113	BRVP4	06/06/2023	09:52	Buzzard	1	hedgerows and improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW
BZ114	BRVP4	06/06/2023	10:16	Buzzard	1	improved agricultural grassland, hunting, soaring	suitable nesting habitat; possible breeder	KW
BZ115	BRVP4	06/06/2023	10:21	Buzzard	1	improved agricultural grassland, hunting, soaring	suitable nesting habitat; possible breeder	KW
BZ117	BRVP4	06/06/2023	10:28	Buzzard	1	hedgerows, soaring	suitable nesting habitat; possible breeder	KW
BZ118	BRVP5	06/06/2023	11:04	Buzzard	1	improved agricultural grassland, hunting, dived	suitable nesting habitat; possible breeder	KW
BZ119	BRVP5	06/06/2023	11:28	Buzzard	1	improved agricultural grassland, hunting, adult (probable male)	suitable nesting habitat; possible breeder	KW
BZ120	BRVP5	06/06/2023	11:50	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ121	BRVP5	06/06/2023	12:09	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ122	BRVP5	06/06/2023	12:41	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ125	BRVP3	26/06/2023	13:15	Buzzard	2	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ127	BRVP3	26/06/2023	13:50	Buzzard	2	treelines and improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW
BZ128	BRVP3	26/06/2023	13:56	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ129	BRVP6	26/06/2023	16:45	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ130	BRVP5	07/07/2023	16:27	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ131	BRVP3	12/07/2023	11:38	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ132	BRVP3	12/07/2023	12:06	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW

Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
BZ139	BRVP7	12/07/2023	14:54	Buzzard	1	treelines and improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ140	BRVP7	12/07/2023	15:03	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ141	BRVP7	12/07/2023	15:18	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ143	BRVP7	12/07/2023	15:44	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ144	BRVP7	12/07/2023	16:29	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ145	BRVP7	12/07/2023	17:18	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ147	BRVP8	13/07/2023	13:20	Buzzard	1	improved agricultural grassland, flying, adult	suitable nesting habitat; possible breeder	KW
BZ149	BRVP6	17/07/2023	14:27	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW
BZ150	BRVP6	17/07/2023	15:13	Buzzard	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
BZ151	BRVP6	17/07/2023	15:54	Buzzard	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW

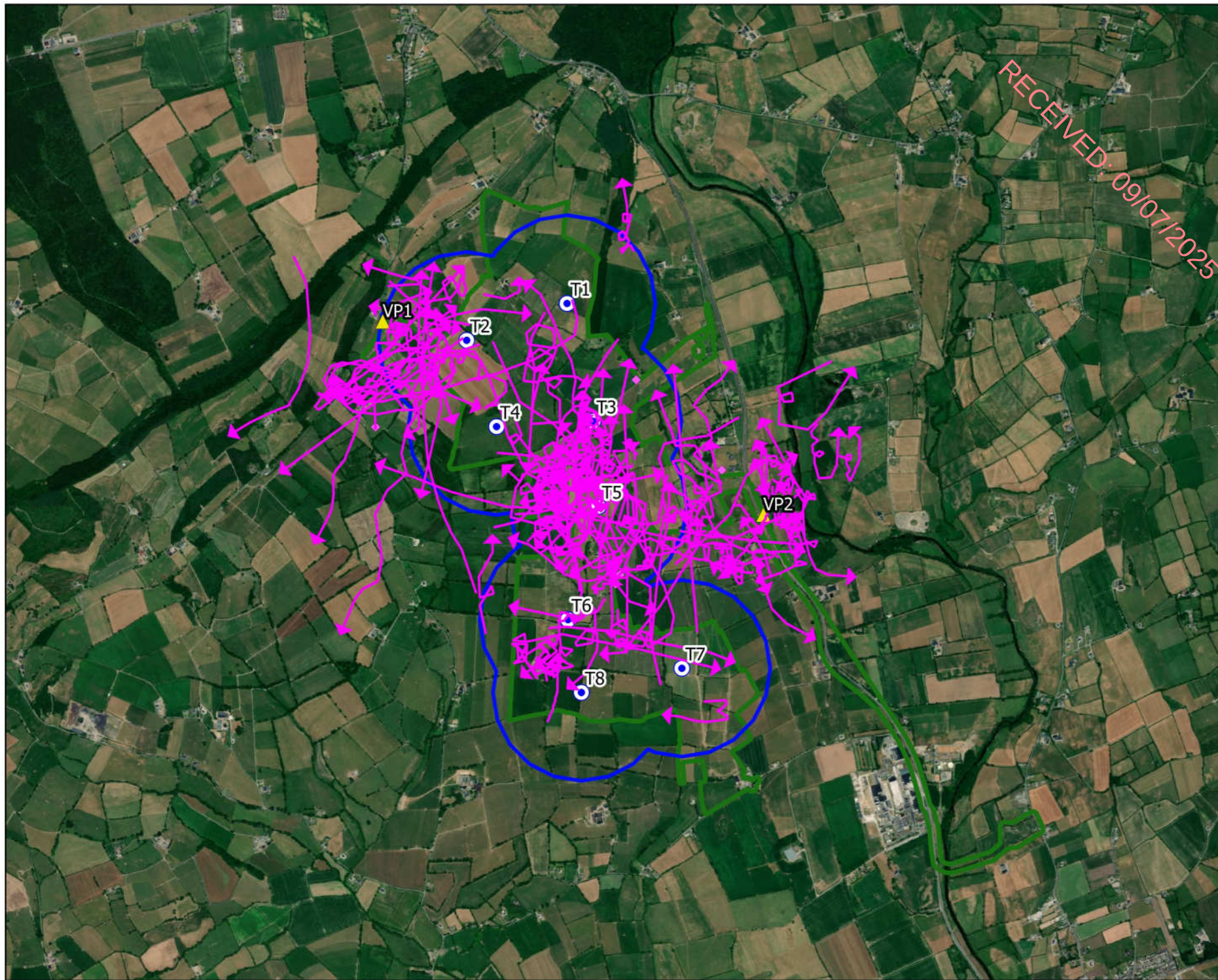
Table 7 - 4 - 31 Buzzard Winter Walkover Survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
BZ001	28/10/2021	11:30	-	Buzzard	1	mixed broadleaved/conifer woodland and improved agricultural grassland; perched, calling, flew off	AM
BZ002	13/12/2021	10:38	-	Buzzard	1	hedgerows and improved agricultural grassland; flying, flew off from tree, across field	AM
BZ003	13/12/2021	13:08	-	Buzzard	1	improved agricultural grassland; flying, bird flew south across slope, onto telegraph pole	AM
BZ004	11/01/2022	09:25	-	Buzzard	2	mixed broadleaved/conifer woodland and improved agricultural grassland; circling, circling and calling over woodland	AM
BZ005	11/01/2022	10:52	-	Buzzard	1	hedgerows and improved agricultural grassland; perched, flying, perched then took off calling, mobbed	AM
BZ006	04/03/2022	10:45	-	Buzzard	1	treelines and improved agricultural grassland; perched, flying, flew off from trees in hedgerow	AM
BZ007	04/03/2022	13:52	-	Buzzard	1	hedgerows and improved agricultural grassland; flying, flew off from roadside tree	AM
BZ008	26/10/2022	13:04	-	Buzzard	1	improved agricultural grassland; hunting, 1st calendar year juvenile	KW
BZ009	26/10/2022	13:04	-	Buzzard	2	improved agricultural grassland; hunting, 2 adults	KW
BZ010	26/10/2022	15:28	-	Buzzard	1	improved agricultural grassland; flying	KW
BZ011	09/12/2022	12:53	-	Buzzard	1	improved agricultural grassland; flushed	KW
BZ012	09/12/2022	13:25	-	Buzzard	1	improved agricultural grassland; perched	KW
BZ013	20/01/2023	11:43	-	Buzzard	1	treelines; calling	KW
BZ014	20/01/2023	14:33	-	Buzzard	1	treelines; perched	KW

Table 7 - 4 - 32 Buzzard Incidental Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ001	Waterbird Distribution Survey; Tallyho Bridge	25/10/2021	14:50	Buzzard	1	improved agricultural grassland; flying, flew out from tree near river calling	AM
BZ002	Waterbird Distribution Survey; Black Island	09/12/2021	10:40	Buzzard	1	treelines and improved agricultural grassland; perched, perched in tree	AM
BZ003	Waterbird Distribution Survey; Black Island	20/12/2021	14:50	Buzzard	1	treelines and improved agricultural grassland; perched, perched on tree above river valley	AM
BZ004	Waterbird Distribution Survey; Dunmore wood	03/01/2022	12:25	Buzzard	1	mixed broadleaved/conifer woodland; flying, flew upriver	AM
BZ005	Waterbird Distribution Survey; Rosconnell Bridge	03/01/2022	12:50	Buzzard	2	arable crops and depositing/lowland rivers; flying, in flight calling	AM
BZ006	Waterbird Distribution Survey; River Nore	19/01/2022	12:38	Buzzard	1	treelines, improved agricultural grassland and depositing/lowland rivers; flying, flew past flock of heron, across river toward Durrow	AM
BZ007	Waterbird Distribution Survey; Rosconnell Bridge	08/02/2022	12:25	Buzzard	1	treelines and depositing/lowland rivers; flying, away from hedgerow tree	AM
BZ008	Waterbird Distribution Survey; River Nore	22/02/2022	13:10	Buzzard	1	improved agricultural grassland; circling, calling, flying over farmland	AM
BZ009	Waterbird Distribution Survey; Erkina River	02/03/2022	10:55	Buzzard	1	improved agricultural grassland; flying, northwest over fields	AM
BZ010	Waterbird Distribution Survey; River Nore	02/03/2022	11:27	Buzzard	1	riparian woodland and improved agricultural grassland; soaring, soaring, calling, flew into woodland	AM
BZ011	Waterbird Distribution Survey; Ballyboodin	19/04/2022	12:44	Buzzard	1	improved agricultural grassland and riparian woodland; mobbed, getting mobbed by several corvids	CB
BZ012	Waterbird Distribution Survey; Dunmore wood	19/04/2022	15:44	Buzzard	3	improved agricultural grassland and riparian woodland; soaring	CB
BZ013	Waterbird Distribution Survey; Ballyragget	05/05/2022	12:00	Buzzard	2	improved agricultural grassland; soaring	CB
BZ014	Waterbird Distribution Survey; Dunmore wood	05/05/2022	15:03	Buzzard	1	riparian woodland and depositing/lowland rivers; flushed	CB
BZ015	Waterbird Distribution Survey; Lismaine Bridge	03/08/2022	11:43	Buzzard	1	highly modified/non-native woodland and lakes and ponds; soaring	JQ
BZ016	Waterbird Distribution Survey; Watercastle Bridge	22/09/2022	13:44	Buzzard	1	improved agricultural grassland; flushed, calling	JQ
BZ017	Waterbird Distribution Survey; Tirlan Ballyraggat	03/04/2023	11:28	Buzzard	2	semi-natural grassland; flying	NJB
BZ018	Waterbird Distribution Survey; 5km Survey Radius	03/04/2023	12:57	Buzzard	1	semi-natural grassland; flying	NJB

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BZ019	Waterbird Distribution Survey; 5km Survey Radius	23/04/2023	10:51	Buzzard	1	turloughs; flying	NJB
BZ020	Breeding Kingfisher Survey; River Nore	23/05/2023	15:55	Buzzard	1	treelines and depositing/lowland rivers; flying, out over river, mobbing hooded crows	AM



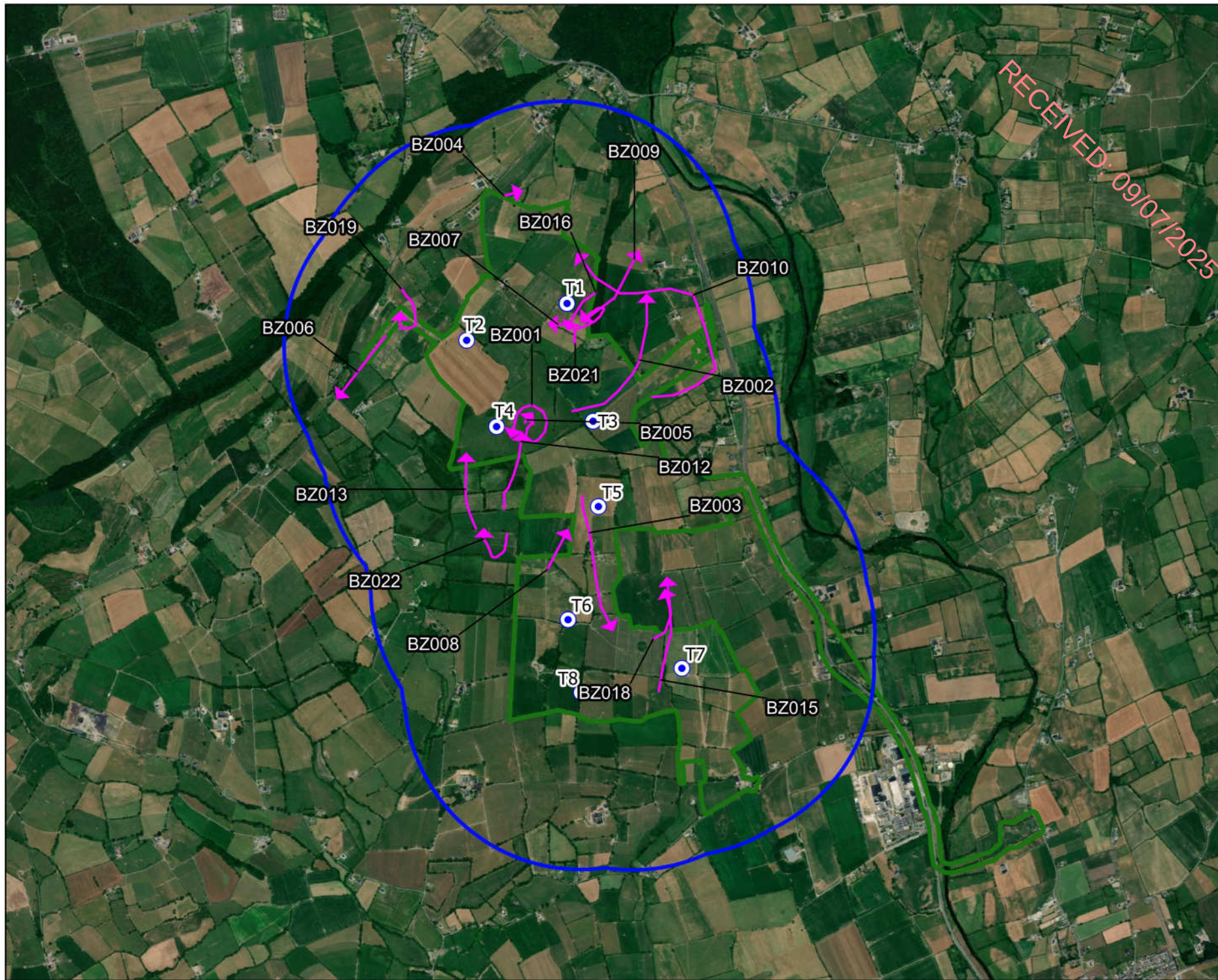
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Map Legend

- Proposed Development
- Proposed Turbine Layout
- 500m Buffer of Proposed Turbine Layout
- Vantage Point Location
- Flight Observation
- Non-flight Observation

Drawing Title	
Vantage Point Survey Buzzard Observations	
Project Title	
Seskin Renewables Wind Farm	
Drawn By	Checked By
NL	PM
Project No.	Drawing No.
231103	Fig. 7.4.27
Scale	Date
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Map Legend

- Proposed Development
- Proposed Turbine Layout
- Survey Area
- Observation



Drawing Title

Breeding Walkover Survey
Buzzard Observation

Project Title

Seskin Renewables Wind Farm

Drawn By

NL

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Project No.

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Drawing No.

Fig. 7.4.28

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Map Legend

- Proposed Development
- Proposed Turbine Layout
- Survey Area
- Observations



Drawing Title

Winter Walkover Survey
Buzzard Observations

Project Title

Seskin Renewables Wind Farm

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Project No.

231103

Drawing No.

Fig. 7.4.30

Scale

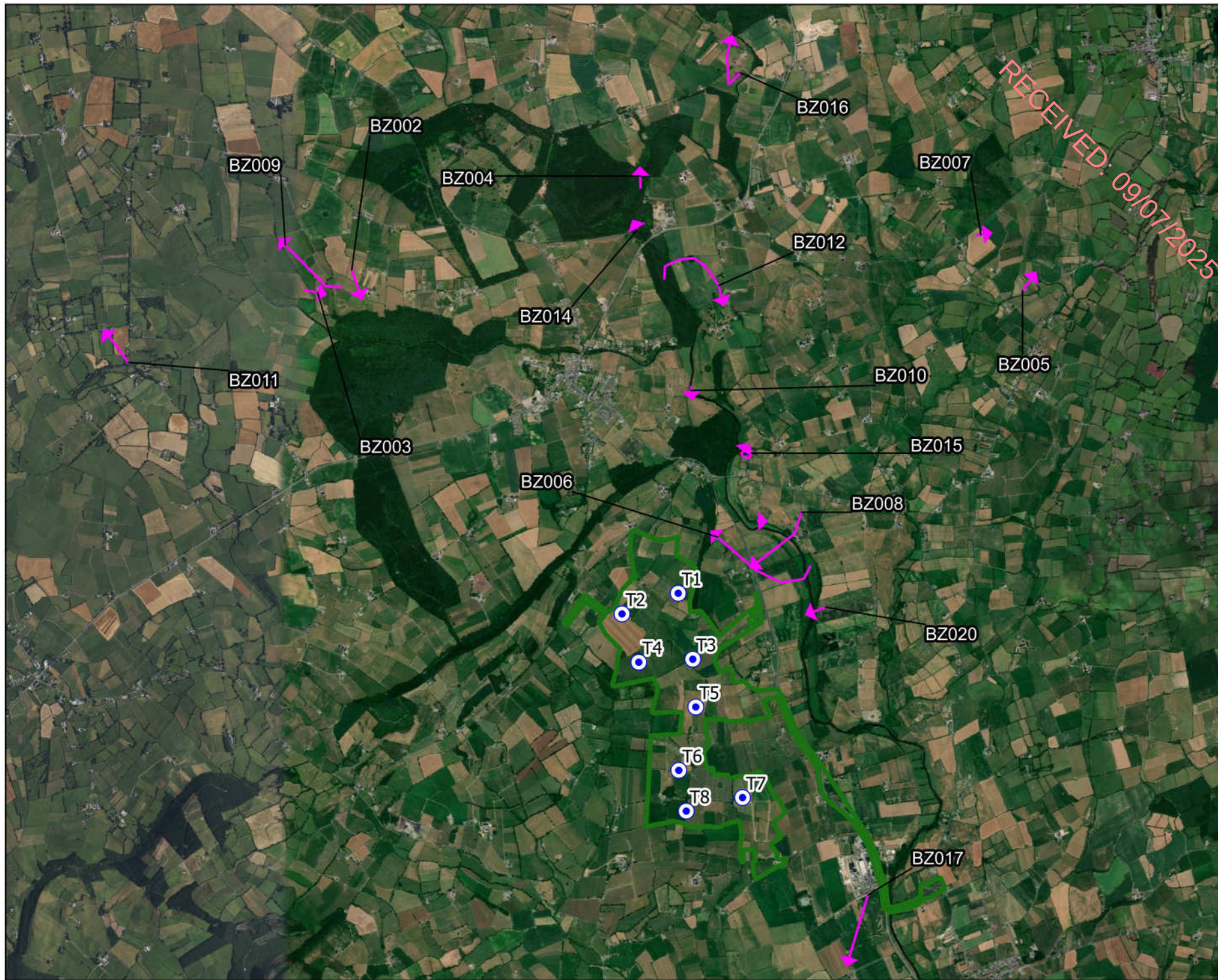
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Map Legend

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- Vantage Point Location
- Flight Observation

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North Arrow

Drawing Title
Incidental Survey Buzzard

Project Title
Seskin Renewables Wind Farm

Drawn By NL	Checked By PM
Project No. 231103	Drawing No. Fig. 7.4.31
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13.

SPARROWHAWK

Table 7 - 4 - 33 Sparrowhawk Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
SH001	VP2	16/07/2022	09:12	Sparrowhawk	1	110	8	2	100	0	improved agricultural grassland; flying, circling	GH
SH002	VP2	16/07/2022	09:53	Sparrowhawk	1	3	3	0	0	0	improved agricultural grassland; flying, being mobbed by rooks	GH
SH003	VP2	16/07/2022	09:53	Sparrowhawk	1	-	-	-	-	-	improved agricultural grassland; perched , left at 10:13	GH
SH004	VP2	25/08/2022	17:36	Sparrowhawk	1	127	0	18	109	0	improved agricultural grassland; hunting, female	KW
SH005	VP2	28/08/2022	15:51	Sparrowhawk	1	99	11	24	64	0	improved agricultural grassland; hunting, adult female	KW
SH006	VP2	05/01/2023	11:36	Sparrowhawk	1	3	3	0	0	0	improved agricultural grassland; hunting, male	KW
SH007	VP2	21/06/2023	12:49	Sparrowhawk	1	57	0	3	54	0	improved agricultural grassland; hunting	KW
SH008	VP1	07/07/2023	09:13	Sparrowhawk	1	12	12	0	0	0	improved agricultural grassland; hunting, male	KW
SH009	VP2	20/09/2023	10:54	Sparrowhawk	1	204	0	0	204	0	improved agricultural grassland; hunting	KW
SH010	VP2	20/09/2023	11:37	Sparrowhawk	1	9	9	0	0	0	improved agricultural grassland; flying	KW
SH011	VP2	20/09/2023	14:23	Sparrowhawk	1	269	0	34	235	0	improved agricultural grassland; hunting, female	KW
SH012	VP1	23/09/2023	13:18	Sparrowhawk	1	14	0	2	12	0	improved agricultural grassland; flying, male	KW

Table 7 - 4 - 34 Sparrowhawk Breeding Walkover Survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SH001	17/07/2022	10:20	-	Sparrowhawk	1	improved agricultural grassland; flying (suitable nesting habitat; possible breeder)	GH
SH002	17/07/2022	12:40	-	Sparrowhawk	1	improved agricultural grassland; hunting (suitable nesting habitat; possible breeder)	GH
SH003	29/06/2023	13:35	-	Sparrowhawk	1	improved agricultural grassland and hedgerows; flying, flew low across field over hedgerow (suitable nesting habitat; possible breeder)	AM

Table 7 - 4 - 35 Sparrowhawk Breeding Raptor Survey data

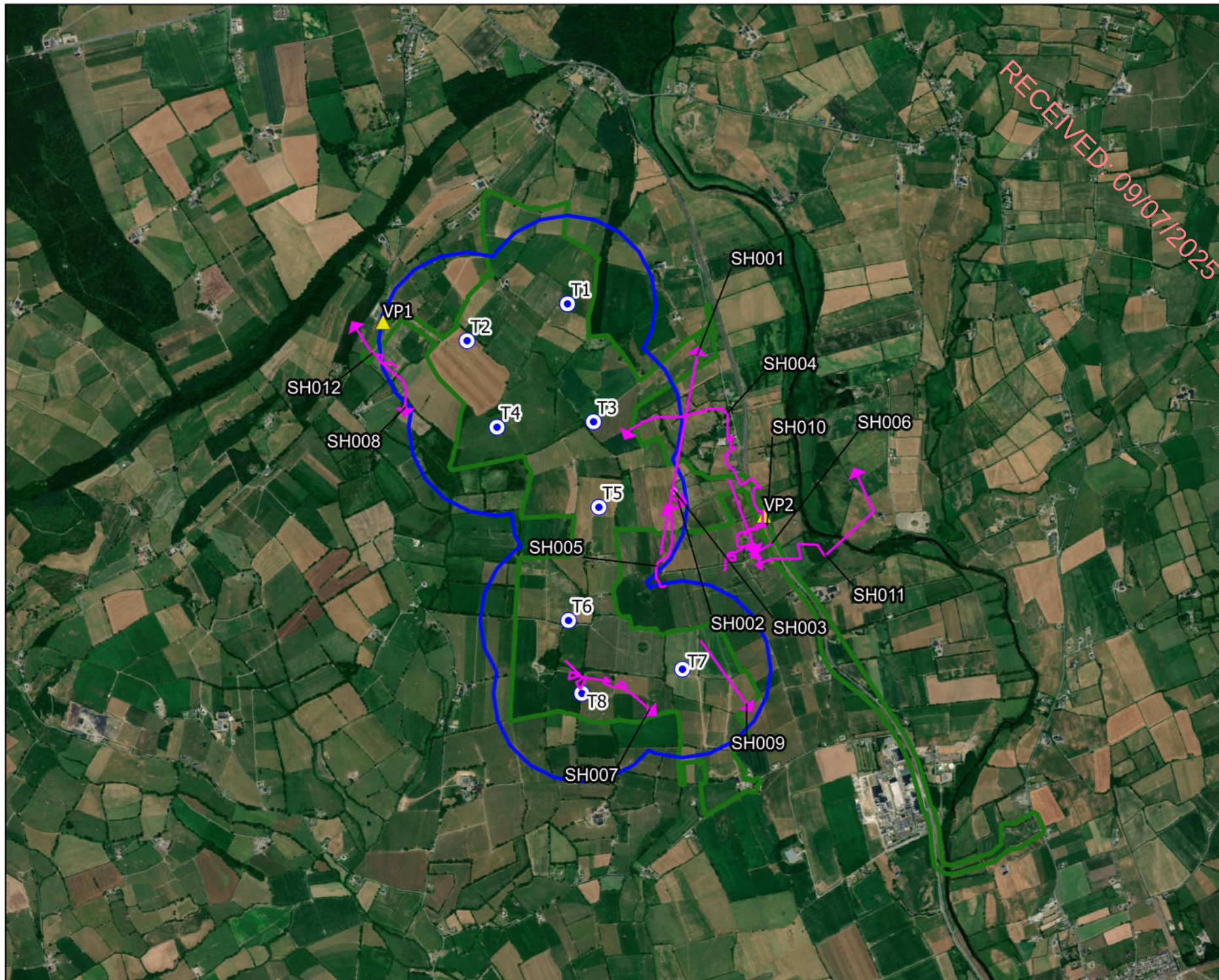
Ref.	BR	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
SH001	BRVP1	20/04/2022	12:01	Sparrowhawk	1	improved grassland, hedgerows and highly modified/non-native woodland, flying, female along hedgerow and into wooded area	flyover; non-breeding	AR
SH002	BR Walkover	22/04/2022	11:41	Sparrowhawk	1	improved grassland and hedgerows, hunting, female	flyover; non-breeding	AR
SH003	BRVP3	21/05/2022	13:25	Sparrowhawk	1	improved agricultural grassland and hedgerows, flying, mobbed	suitable nesting habitat; possible breeder	TS
SH004	BRVP3	18/05/2023	11:00	Sparrowhawk	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	KW
SH005	BRVP3	18/05/2023	11:42	Sparrowhawk	1	improved agricultural grassland, hunting, male	suitable nesting habitat; possible breeder	KW
SH006	BRVP7	19/05/2023	12:34	Sparrowhawk	1	improved agricultural grassland, hunting, circling over woodland	suitable nesting habitat; possible breeder	KW
SH007	BRVP3	26/06/2023	13:06	Sparrowhawk	2	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW
SH008	BRVP3	12/07/2023	12:21	Sparrowhawk	1	improved agricultural grassland, hunting	suitable nesting habitat; possible breeder	KW

Table 7 - 4 - 36 Sparrowhawk Winter Walkover Survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
SH001	26/10/2022	11:14	-	Sparrowhawk	1	improved agricultural grassland; hunting	KW
SH002	26/10/2022	12:36	-	Sparrowhawk	1	improved agricultural grassland; hunting	KW
SH003	26/10/2022	13:42	-	Sparrowhawk	1	improved agricultural grassland; hunting, adult female	KW

Table 7 - 4 - 37 Sparrowhawk Incidental Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
SH001	Waterbird Distribution Survey; 5km Survey Radius	23/04/2023	11:58	Sparrowhawk	1	arable crops; flying	NJB



Map Legend

- Proposed Development
- Proposed Turbine Layout
- 500m Buffer of Proposed Turbine Layout
- Vantage Point Location
- Flight Observation
- Non-flight Observation



Drawing Title	
Vantage Point Survey Sparrowhawk Observations	
Project Title	
Seskin Renewables Wind Farm	
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NL	PM
Project No.	Drawing No.
231103	Fig. 7.4.32
Scale	Date
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Map Legend

-  Proposed Development
-  Proposed Turbine Layout
-  Survey Area
-  Observation



Drawing Title

Breeding Walkover Survey
Sparrowhawk Observation

Project Title

Seskin Renewables Wind Farm

Drawn By

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Project No.

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Drawing No.

Fig. 7.4.33

Scale

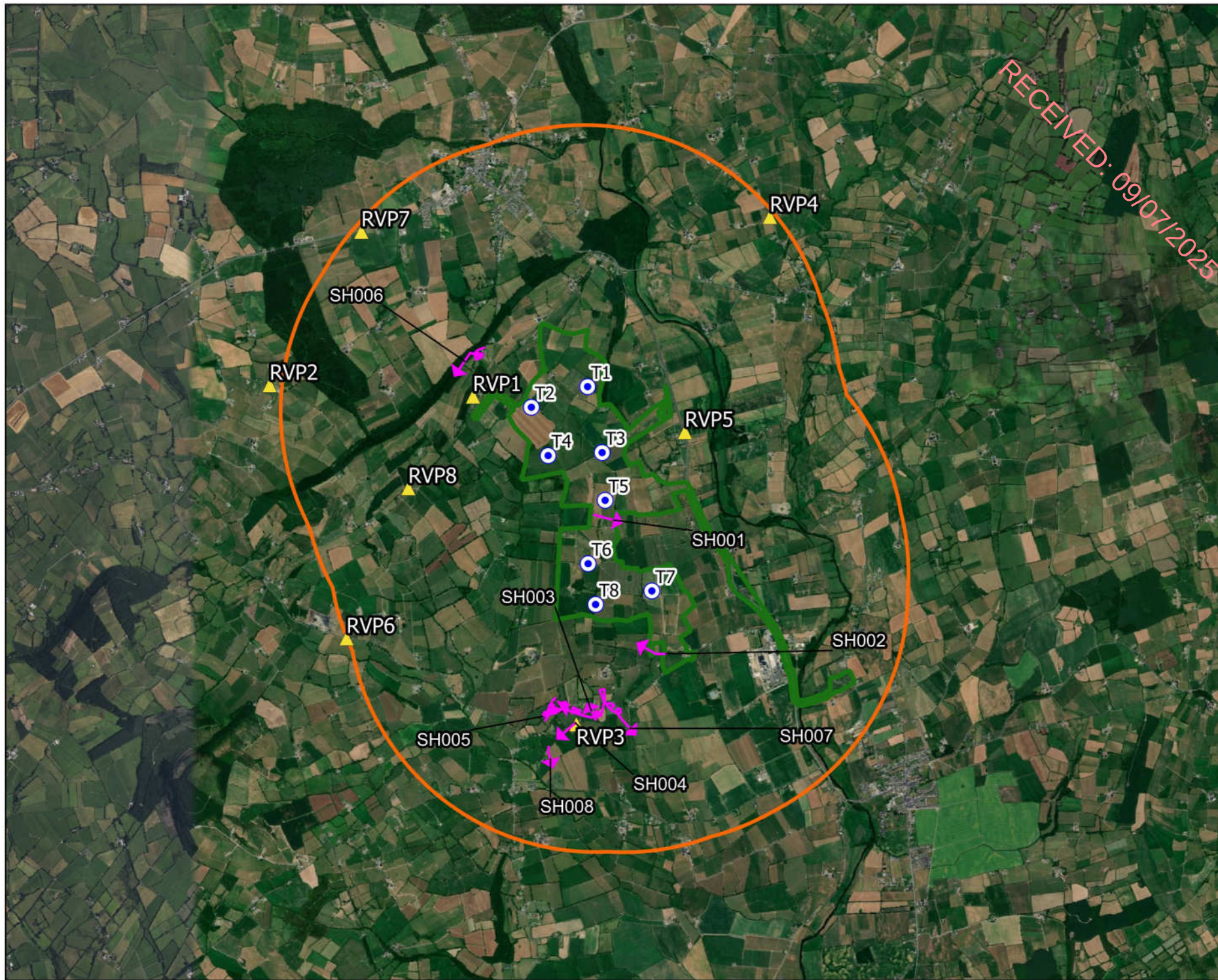
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Map Legend

- Proposed Development
- Proposed Turbine Layout
- Survey Area
- Survey Location
- Observation



Drawing Title

Breeding Raptor Survey
Sparrowhawk Observations

Project Title

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Map Legend

-  Proposed Development
-  Proposed Turbine Layout
-  Survey Area
-  Observations



Drawing Title

Winter Walkover Survey
Sparrowhawk Observations

Project Title

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Map Legend

- Proposed Development
- Proposed Turbine Layout
- Vantage Point Location
- Flight Observation

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Incidental Survey Sparrowhawk	
Project Title	
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14.

GREY WAGTAIL

Table 7 - 4 - 38 Grey Wagtail Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
GL001	VP2	15/11/2021	12:34	Grey Wagtail	1	15	10	5	0	0	improved agricultural grassland; flying, flew in, landed in farmyard near vantage point	AM
GL002	VP2	15/11/2021	13:25	Grey Wagtail	1	30	30	0	0	0	improved agricultural grassland; flying, flew off from farmyard across road	AM
GL003	VP2	17/12/2021	10:03	Grey Wagtail	1	15	15	0	0	0	improved agricultural grassland; flying, flew in near vantage point calling	AM

Table 7 - 4 - 39 Grey Wagtail Breeding Walkover Survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
GL001	09/04/2022	10:15	-	Grey Wagtail	2	watercourses; landed, small stream (flyover; non-breeding)	GH
GL002	06/07/2022	09:05	-	Grey Wagtail	1	improved agricultural grassland; hunting (suitable nesting habitat; possible breeder)	GH
GL003	17/07/2022	10:43	-	Grey Wagtail	1	improved agricultural grassland; hunting, in ditch (suitable nesting habitat; possible breeder)	GH
GL004	29/06/2023	11:15	-	Grey Wagtail	1	improved agricultural grassland; foraging, calling, on roadside stream (suitable nesting habitat; possible breeder)	AM

Table 7 - 4 - 40 Grey Wagtail Winter Walkover Survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
GL001	26/10/2022	10:03	-	Grey Wagtail	1	wet grassland; perched	KW

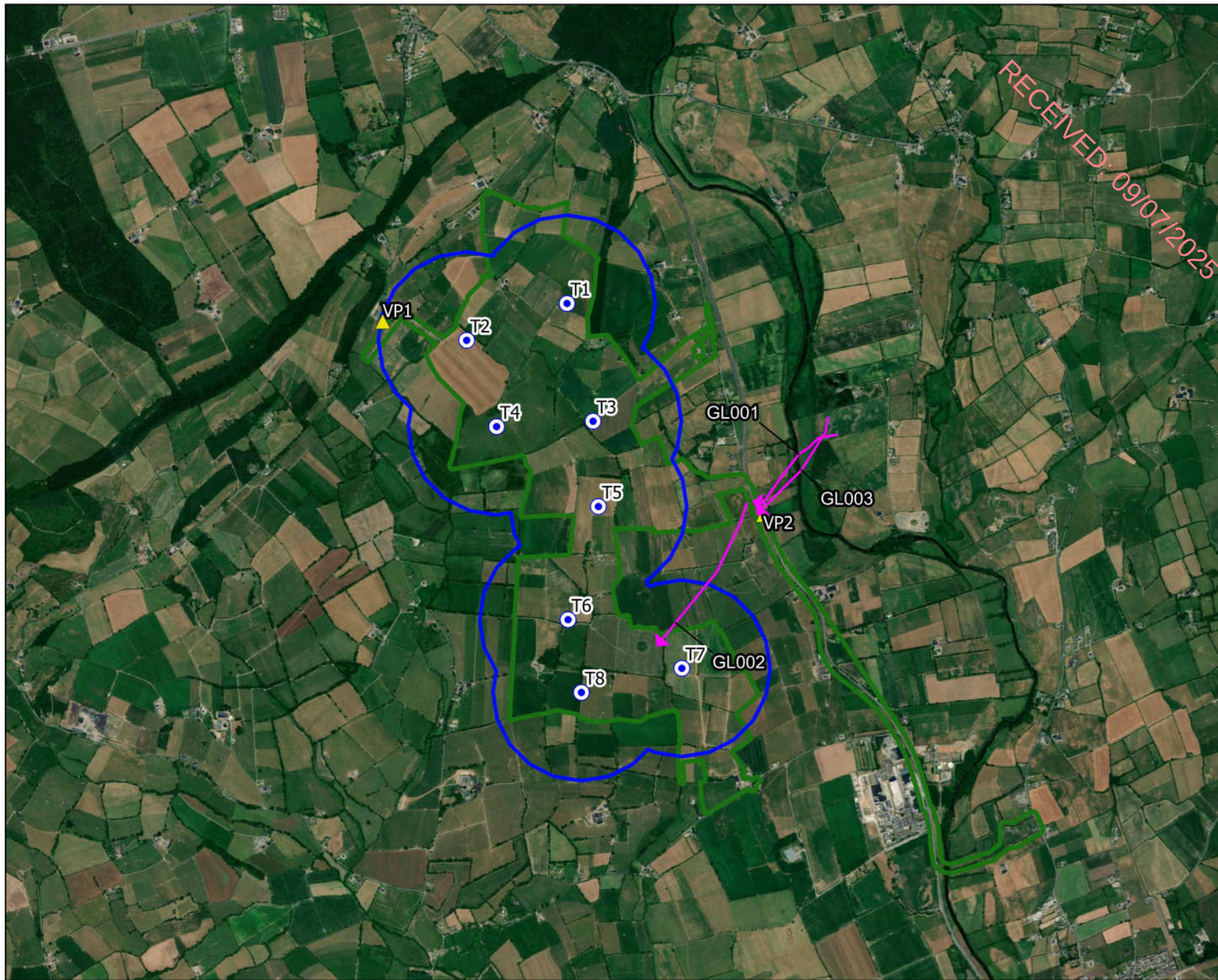
Table 7 - 4 - 41 Grey Wagtail Waterbird Distribution and Abundance Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GL001	New Bridge	25/10/2021	10:12	Grey Wagtail	1	depositing/lowland rivers and mixed broadleaved/conifer woodland; calling, by bridge	AM
GL002	Ballyragget	25/10/2021	14:10	Grey Wagtail	1	depositing/lowland rivers and improved agricultural grassland; flying, flying upriver	AM
GL003	Durrow Curragh	01/11/2021	09:20	Grey Wagtail	1	reed and large sedge swamps; calling, near road	AM
GL004	Glanbia	11/11/2021	14:10	Grey Wagtail	1	depositing/lowland rivers and improved agricultural grassland; perched, near plant	AM
GL005	Tallyho Bridge	26/11/2021	12:38	Grey Wagtail	1	depositing/lowland rivers and improved agricultural grassland; flying, up from river	AM
GL006	Tallyho Bridge	09/12/2021	13:35	Grey Wagtail	1	depositing/lowland rivers and improved agricultural grassland; perched, near bridge	AM

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GL007	River Nore	20/12/2021	13:20	Grey Wagtail	1	depositing/lowland rivers and improved agricultural grassland; perched, along river north of Ballyragget	AM
GL008	Ballyragget	03/01/2022	15:05	Grey Wagtail	1	depositing/lowland rivers and improved agricultural grassland; foraging, close to bridge	AM
GL009	River Nore	19/01/2022	10:43	Grey Wagtail	1	depositing/lowland rivers and improved agricultural grassland; foraging, bird on river	AM
GL010	Tallyho Bridge	08/02/2022	13:05	Grey Wagtail	1	depositing/lowland rivers and improved agricultural grassland; perched, calling from river	AM
GL011	Woodenbridge	22/02/2022	09:25	Grey Wagtail	1	depositing/lowland rivers and improved agricultural grassland; foraging, bird calling by bridge	AM
GL012	Tallyho Bridge	22/02/2022	12:45	Grey Wagtail	1	depositing/lowland rivers and improved agricultural grassland; foraging, calling from flooded river below bridge	AM
GL013	Woodenbridge	02/03/2022	09:20	Grey Wagtail	2	depositing/lowland rivers; calling, pair by bridge	AM
GL014	River Nore	02/03/2022	11:02	Grey Wagtail	1	depositing/lowland rivers and improved agricultural grassland; calling, calling near bridge	AM
GL015	River Nore	02/03/2022	11:39	Grey Wagtail	1	depositing/lowland rivers; perched, on Nore south of main road	AM
GL016	River Nore	02/03/2022	13:55	Grey Wagtail	1	depositing/lowland rivers; perched, calling from river south of Glanbia	AM
GL017	River Nore	31/03/2022	13:35	Grey Wagtail	1	depositing/lowland rivers and improved agricultural grassland; calling, on river south of tallyho bridge	AM
GL018	Durrow Curragh	19/04/2022	14:25	Grey Wagtail	4	depositing/lowland rivers; foraging	CB
GL019	Ballyragget	25/04/2022	15:00	Grey Wagtail	1	depositing/lowland rivers; travelling	CB
GL020	Black Island	25/04/2022	15:08	Grey Wagtail	2	depositing/lowland rivers; travelling	CB
GL021	Durrow Curragh	25/04/2022	15:10	Grey Wagtail	5	depositing/lowland rivers; foraging	CB
GL022	Tallyho Bridge	05/05/2022	12:15	Grey Wagtail	1	depositing/lowland rivers; foraging	CB
GL023	Durrow Curragh	05/05/2022	14:00	Grey Wagtail	4	depositing/lowland rivers; foraging	CB
GL024	Dunmore wood	05/05/2022	15:02	Grey Wagtail	1	depositing/lowland rivers; foraging	CB
GL025	Durrow Curragh	03/08/2022	12:30	Grey Wagtail	5	lakes and ponds; flying	JQ
GL026	Durrow Curragh	23/08/2022	14:40	Grey Wagtail	1	lakes and ponds; flying	JQ
GL027	Lismaine Bridge	06/09/2022	11:35	Grey Wagtail	1	watercourses; flying	JQ
GL028	Durrow Curragh	06/09/2022	13:44	Grey Wagtail	2	watercourses; foraging	JQ
GL029	Durrow Curragh	22/09/2022	12:41	Grey Wagtail	2	watercourses; flying	JQ
GL030	Tallyho Bridge	05/05/2023	14:30	Grey Wagtail	1	depositing/lowland rivers; foraging, grey wagtail seen foraging on riverbank at tallyho bridge	SOB
GL031	Tallyho Bridge	16/05/2023	16:30	Grey Wagtail	1	improved grassland; flying	AM

Table 7 - 4 - 42 Grey Wagtail Incidental Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
GL001	Breeding Kingfisher Survey; River Nore	23/05/2023	11:57	Grey Wagtail	1	improved agricultural grassland and depositing/lowland rivers, foraging, in small quarry inland from river	AM
GL002	Breeding Kingfisher Survey; River Nore	23/05/2023	12:16	Grey Wagtail	1	depositing/lowland rivers and improved agricultural grassland; flying, flew upriver	AM
GL003	Breeding Kingfisher Survey; Tallyho Bridge	23/05/2023	13:50	Grey Wagtail	1	depositing/lowland rivers and improved agricultural grassland; perched, calling, landed on bridge	AM



Map Legend

- Proposed Development
- Proposed Turbine Layout
- 500m Buffer of Proposed Turbine Layout
- Vantage Point Location
- Flight Observation



Drawing Title	
Vantage Point Survey Grey Wagtail Observations	
Project Title	
Seskin Renewables Wind Farm	
Drawn By	Checked By
NL	PM
Project No.	Drawing No.
231103	Fig. 7.4.37
Scale	Date
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Map Legend

-  Proposed Development
-  Proposed Turbine Layout
-  Survey Area
-  Observation



Drawing Title

Breeding Walkover Survey
Grey Wagtail Observation

Project Title

Seskin Renewables Wind Farm

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Drawing No.

Fig. 7.4.38

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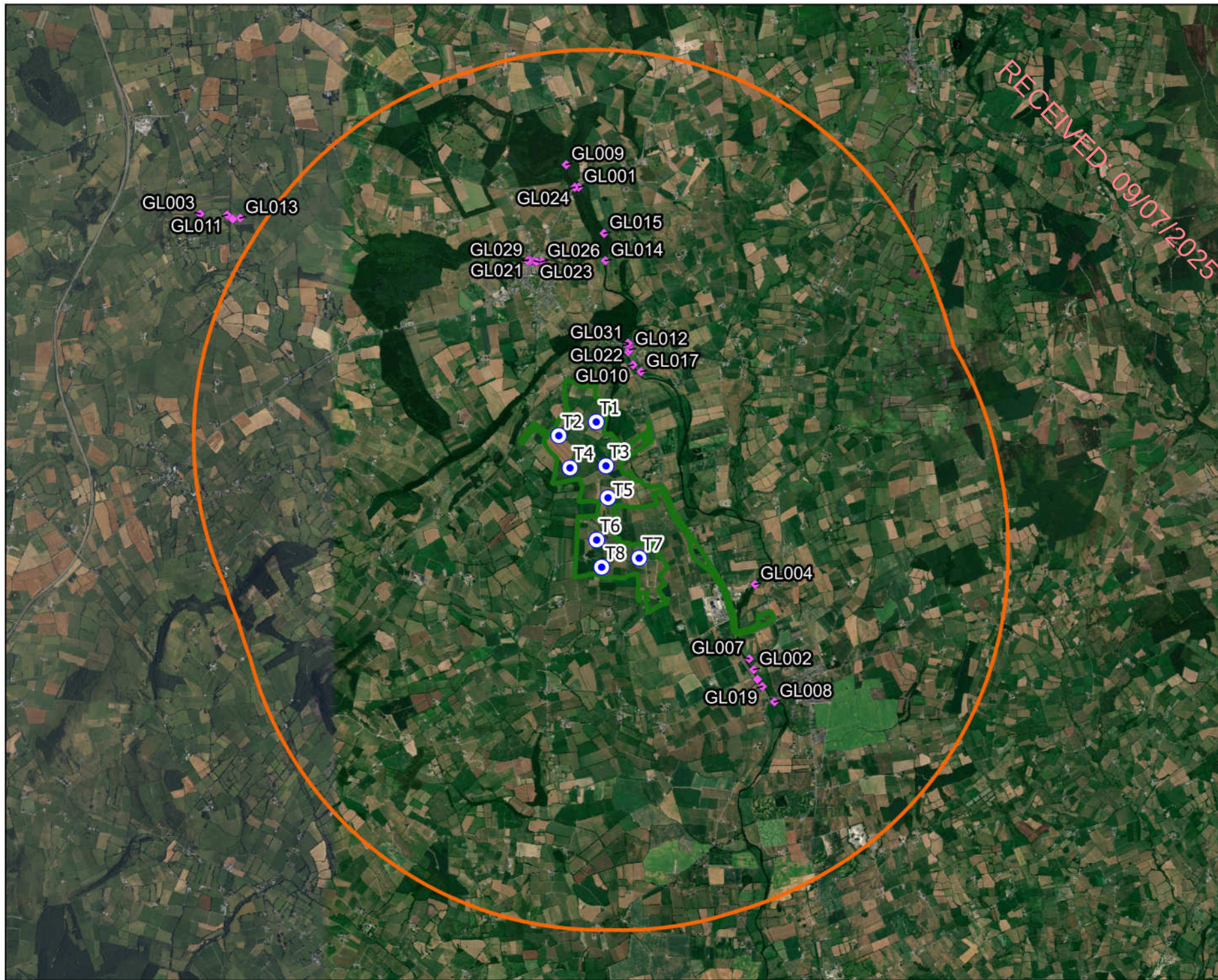


Map Legend

- Proposed Development
- Proposed Turbine Layout
- Survey Area
- Observations



Drawing Title	
Winter Walkover Survey Grey Wagtail Observations	
Project Title	
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Project No.	Drawing No.
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Map Legend

- Proposed Development
- Survey Area
- Proposed Turbine Layout
- Observation

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Drawing Title	
Waterbird Distribution and Abundance Survey Grey Wagtail	
Project Title	
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- Proposed Turbine Layout
- Vantage Point Location
- Flight Observation

Drawing Title

Incidental Survey
Grey Wagtail

Project Title

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15.

MEADOW PIPIT

Table 7 - 4 - 43 Meadow Pipit Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
MP001	VP2	05/07/2022	10:52	Meadow Pipit	5	5	5	0	0	0	improved agricultural grassland; flying	GH
MP002	VP2	16/07/2022	09:51	Meadow Pipit	1	5	5	0	0	0	improved agricultural grassland; flying	GH
MP003	VP1	09/02/2023	10:31	Meadow Pipit	6	-	-	-	-	-	improved agricultural grassland; flying	KW

Table 7 - 4 - 44 Meadow Pipit Breeding Walkover Survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP001	09/04/2022	11:40	-	Meadow Pipit	2	improved agricultural grassland; landed (suitable nesting habitat; possible breeder)	GH
MP002	09/04/2022	11:45	-	Meadow Pipit	1	scrub; perched (suitable nesting habitat; possible breeder)	GH
MP004	08/07/2022	14:47	-	Meadow Pipit	1	improved agricultural grassland; flying (suitable nesting habitat; possible breeder)	GH
MP008	16/04/2023	08:51	-	Meadow Pipit	2	improved agricultural grassland; flushed, meadow pipits flushed from ground (suitable nesting habitat; possible breeder)	TK
MP009	16/04/2023	09:34	-	Meadow Pipit	2	improved agricultural grassland; flushed, meadow pipits flushed from ground. (suitable nesting habitat; possible breeder)	TK
MP010	16/04/2023	11:10	-	Meadow Pipit	2	improved agricultural grassland; flushed, meadow pipits flushed from ground. (suitable nesting habitat; possible breeder)	TK
MP011	16/04/2023	11:22	-	Meadow Pipit	1	improved agricultural grassland; flushed, meadow pipits flushed from ground. (suitable nesting habitat; possible breeder)	TK
MP012	29/06/2023	08:36	-	Meadow Pipit	1	improved agricultural grassland; flying, calling, up from field calling (suitable nesting habitat; possible breeder)	AM
MP013	29/06/2023	12:48	-	Meadow Pipit	1	improved agricultural grassland; flying, calling, up calling in field (suitable nesting habitat; possible breeder)	AM
MP014	19/07/2023	11:43	-	Meadow Pipit	1	improved agricultural grassland; flying, up from grassland (suitable nesting habitat; possible breeder)	AM
MP015	26/07/2023	09:37	-	Meadow Pipit	1	improved agricultural grassland; flying, calling, up calling from field (suitable nesting habitat; possible breeder)	AM

Table 7 - 4 - 45 Meadow Pipit Winter Walkover Survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP001	04/03/2022	11:18	-	Meadow Pipit	2	improved agricultural grassland; flying, up from field calling	AM
MP002	04/03/2022	13:06	-	Meadow Pipit	1	improved agricultural grassland; calling, up calling	AM
MP003	26/10/2022	12:28	-	Meadow Pipit	6	improved agricultural grassland; flying	KW

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
MP004	20/01/2023	10:55	-	Meadow Pipit	4	improved agricultural grassland; flushed	KW

Table 7 - 4 - 46 Meadow Pipit Incidental Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
MP001	Waterbird Distribution Survey; Glanbia	26/11/2021	14:55	Meadow Pipit	1	improved agricultural grassland; perched, on fencepost near river	AM
MP002	Waterbird Distribution Survey; River Nore	22/02/2022	13:02	Meadow Pipit	1	improved agricultural grassland; calling, bird up from flooded field	AM
MP003	Breeding Raptor Survey; BR6	07/07/2022	12:28	Meadow Pipit	4	improved agricultural grassland; singing, displaying	CB



Map Legend

- Proposed Development
- Proposed Turbine Layout
- 500m Buffer of Proposed Turbine Layout
- Vantage Point Location
- Flight Observation
- Non-flight Observation

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Drawing Title
**Vantage Point Survey
Meadow Pipit Observations**

Project Title
Seskin Renewables Wind Farm

Drawn By NL	Checked By PM
Project No. 231103	Drawing No. Fig. 7.4.42
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Map Legend

-  Proposed Development
-  Proposed Turbine Layout
-  Survey Area
-  Observation



Drawing Title

Breeding Walkover Survey
Meadow Pipit Observation

Project Title

Seskin Renewables Wind Farm

Drawn By

NL

Checked By

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Project No.

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Drawing No.

Fig. 7.4.43

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- Map Legend
- Proposed Development
 - Proposed Turbine Layout
 - Survey Area
 - Observations



Drawing Title
Winter Walkover Survey
Meadow Pipit Observations

Project Title
Seskin Renewables Wind Farm

Drawn By	Checked By
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Project No. 231103	Drawing No. Fig. 7.4.44
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Map Legend

- Proposed Development
- Proposed Turbine Layout
- Vantage Point Location
- Flight Observation

Drawing Title
**Incidental Survey
Meadow Pipit**

Project Title
Seskin Renewables Wind Farm

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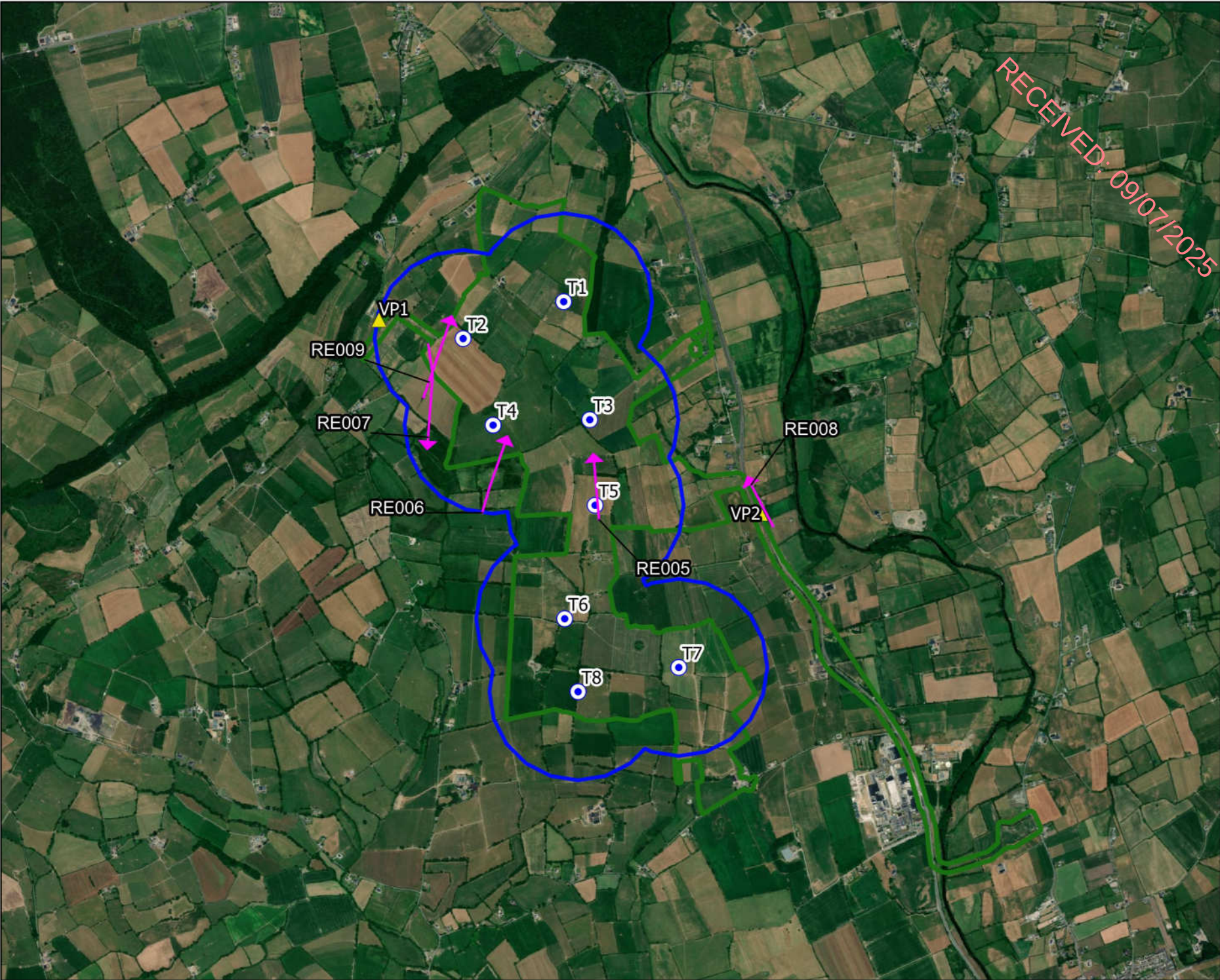
REDWING

Table 7 - 4 - 47 Redwing Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
RE001	VP1	22/10/2021	16:00	Redwing	5	-	-	-	-	-	improved agricultural grassland; flying	AM
RE002	VP1	15/11/2021	14:30	Redwing	10	-	-	-	-	-	improved agricultural grassland; flying	AM
RE003	VP1	10/12/2021	11:20	Redwing	10	-	-	-	-	-	improved agricultural grassland; present, mixed flocks with fieldfare	AM
RE004	VP2	17/12/2021	11:10	Redwing	25	-	-	-	-	-	improved agricultural grassland; present, 25+ in mixed flocks	AM
RE005	VP2	10/01/2022	15:57	Redwing	20	30	30	0	0	0	hedgerows and improved agricultural grassland; flying, one of a number of flocks seen during vantage point	AM
RE006	VP1	17/01/2022	15:28	Redwing	12	15	15	0	0	0	improved agricultural grassland and hedgerows; flying, flock in flight, possibly same flock seen several times over vantage point	AM
RE007	VP1	02/02/2022	09:02	Redwing	15	30	30	0	0	0	hedgerows and improved agricultural grassland; flying, flock of 15-20 mixed redwing and fieldfare flew off calling	AM
RE008	VP2	21/02/2022	12:14	Redwing	15	15	15	0	0	0	improved agricultural grassland and hedgerows; flying, flying, then onto tree near vantage point	AM
RE009	VP1	01/03/2022	16:22	Redwing	20	15	15	0	0	0	improved agricultural grassland and hedgerows; flying, flock flew into hedgerow	AM
RE010	VP1	22/10/2022	07:10	Redwing	1	-	-	-	-	-	improved agricultural grassland;	KW
RE011	VP1	08/11/2022	11:15	Redwing	1	-	-	-	-	-	improved agricultural grassland;	KW
RE012	VP2	09/11/2022	11:15	Redwing	1	-	-	-	-	-	improved agricultural grassland;	KW
RE013	VP1	12/12/2022	07:40	Redwing	1	-	-	-	-	-	improved agricultural grassland; foraging	KW
RE014	VP2	05/01/2023	11:00	Redwing	1	-	-	-	-	-	improved agricultural grassland; foraging	KW
RE015	VP1	12/01/2023	11:05	Redwing	1	-	-	-	-	-	improved agricultural grassland; foraging	KW
RE016	VP2	13/02/2023	06:50	Redwing	1	-	-	-	-	-	improved agricultural grassland; foraging	KW
RE017	VP1	20/03/2023	09:30	Redwing	1	-	-	-	-	-	improved agricultural grassland; foraging	KW

Table 7 - 4 - 48 Redwing Winter Walkover Survey data

Ref.	Date	Time	Transect	Species	Number	Habitat and activity	Surveyor
RE001	13/12/2021	09:56	-	Redwing	20	hedgerows and improved agricultural grassland; flying, calling, mixed flock of redwing and fieldfare in flight	AM
RE002	13/12/2021	10:45	-	Redwing	10	hedgerows and improved agricultural grassland; perched, 10-20 birds, mixed redwing and fieldfare, calling from hedgerow	AM
RE003	13/12/2021	14:10	-	Redwing	10	improved agricultural grassland and hedgerows; flying, mixed flock across slope	AM
RE004	11/01/2022	10:04	-	Redwing	15	hedgerows and improved agricultural grassland; flying, one of a number of flocks including fieldfare seen during t1	AM
RE005	11/01/2022	11:25	-	Redwing	15	hedgerows and improved agricultural grassland; flying, one of a number of flocks including fieldfare seen during t2	AM
RE006	11/01/2022	14:40	-	Redwing	15	hedgerows and improved agricultural grassland; flying, mixed flock with fieldfare	AM
RE007	04/03/2022	09:40	-	Redwing	2	hedgerows and improved agricultural grassland; perched, flying, flew off	AM
RE008	04/03/2022	09:55	-	Redwing	5	hedgerows and improved agricultural grassland; flying, flew off from hedge	AM
RE009	04/03/2022	10:15	-	Redwing	2	hedgerows and improved agricultural grassland; perched, in hedgerow	AM
RE010	04/03/2022	13:28	-	Redwing	15	hedgerows and improved agricultural grassland; flying, flew out of hedgerow calling	AM
RE011	09/12/2022	09:30	-	Redwing	1	wet grassland; foraging	KW



Map Legend

- Proposed Development
- Proposed Turbine Layout
- 500m Buffer of Proposed Turbine Layout
- Vantage Point Location
- Flight Observation



Drawing Title

Vantage Point Survey
Redwing Observations

Project Title

Seskin Renewables Wind Farm

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Map Legend

- Proposed Development
- Proposed Turbine Layout
- Survey Area
- Observations

Drawing Title

Winter Walkover Survey
Redwing Observations

Project Title

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Project No.	Drawing No.
231103	Fig. 7.4.47
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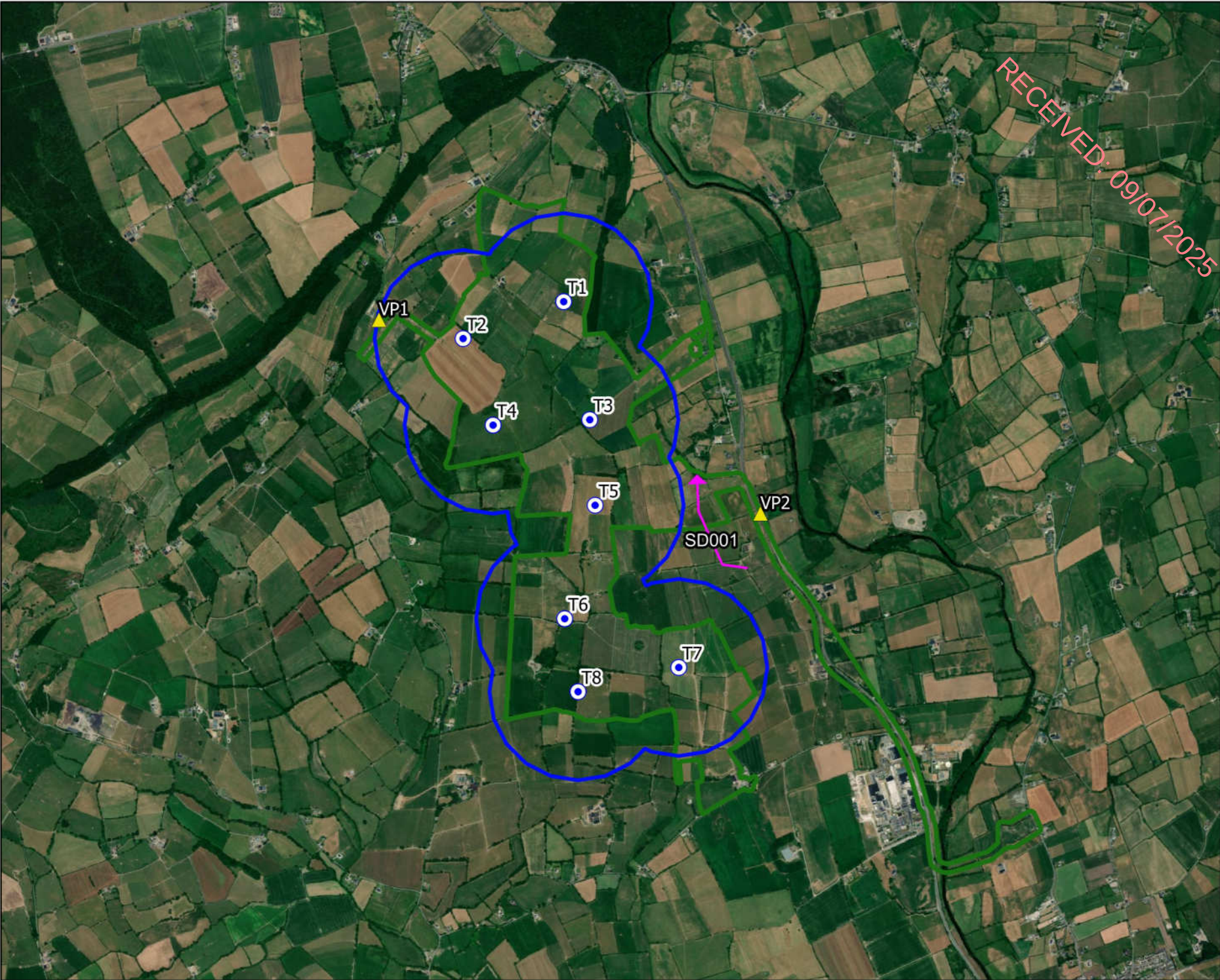


17.

STOCK DOVE

Table 7 - 4 - 49 Stock Dove Vantage Point Survey data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-25m)	Band 3 (25-200m)	Band 4 (>200m)	Habitat and activity	Surveyor
SD001	VP2	21/02/2022	13:00	Stock Dove	1	-	-	-	-	-	improved agricultural grassland; flying, listed as non-target	AM
SD002	VP2	17/12/2021	-	Stock Dove	2	-	-	-	-	-	Past VP	AM
SD003	VP1	07/09/2022	-	Stock Dove	-	-	-	-	-	-		CB



Map Legend

- Proposed Development
- Proposed Turbine Layout
- 500m Buffer of Proposed Turbine Layout
- Vantage Point Location
- Flight Observation



Drawing Title
Vantage Point Survey
Stockdove Observations

Project Title
Seskin Renewables Wind Farm

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YELLOWHAMMER

Table 7 - 4 - 50 Yellowhammer Incidental Survey data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
Y.001	Waterbird Distribution Survey; Knockanoran	08/02/2022	10:20	Yellowhammer	3	hedgerows and horticultural land; perched, on hedgerow on way into VP2	AM
Y.002	Breeding Raptor Survey; BR2	12/05/2022	19:45	Yellowhammer	1	improved agricultural grassland and hedgerows; flying, perched	TS



Map Legend

-  Proposed Development
-  Proposed Turbine Layout
-  Vantage Point Location
-  Flight Observation



Drawing Title

Incidental Survey
Yellowhammer

Project Title

Seskin Renewables Wind Farm

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Fig. 7.4.49

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