

Appendix 7-1: Species Data and Figures – Key Ornithological Receptors

Contents

Appendix 7-1 - I	Barn Owl.....	2
Appendix 7-1 - II	Black-headed Gull	4
Appendix 7-1 - III	Black-tailed Godwit.....	17
Appendix 7-1 - IV	Buzzard	20
Appendix 7-1 - V	Cormorant.....	69
Appendix 7-1 - VI	Golden Plover	106
Appendix 7-1 - VII	Grey Heron.....	114
Appendix 7-1 - VIII	Hen Harrier	131
Appendix 7-1 - IX	Kestrel	135
Appendix 7-1 - X	Lapwing.....	170
Appendix 7-1 - XI	Lesser Black-backed Gull.....	178
Appendix 7-1 - XII	Little Egret	195
Appendix 7-1 - XIII	Mallard.....	214
Appendix 7-1 - XIV	Merlin	235
Appendix 7-1 - XV	Mute Swan.....	243
Appendix 7-1 - XVI	Peregrine	258
Appendix 7-1 - XVII	Pintail.....	264
Appendix 7-1 - XVIII	Snipe.....	268
Appendix 7-1 - XIX	Sparrowhawk	275
Appendix 7-1 - XX	Teal.....	290
Appendix 7-1 - XXI	Whooper Swan.....	295
Appendix 7-1 - XXII	Wigeon.....	302
Appendix 7-1 - XXIII	Rarely recorded target species.	307



Appendix 7-1 - I BARN OWL



Incidental					
Map Ref.	Season	Date	Time	Abundance	Note
N/A	Breeding	10/06/2022	11:49	1	Adult barn owl flushed from old barn, in farmyard 20m from redline boundary to west of proposed project. No whitewash or pelts but some down feathers. Recorded during multidisciplinary survey.
N/A	Breeding	09/07/2025	12:46	N/A	Old farm building approximately 50m from the redline boundary to the west of the proposed project, with number of positive BO signs including fresh whitewash feathers and pelts. Very suitable for breeding. Inside ceiling is missing in sections where nest could be located. Recorded during multidisciplinary survey.
N/A	Winter	10/03/2026	10:00:00	N/A	Evidence of Barn Owl potentially breeding in the close proximity to the proposed project site was recorded in March 2026.. This location is situated approximately 50 metres from the boundary of the proposed project site, within an abandoned barn, where evidence including feathers, pellets, and audio recording from a bird voice recording device. Calls were also heard from nearby dusk VP survey. Additionally, Barn Owl carcass was found at this location in October 2025
N/A	Winter	10/03/2026	11:30:00	2	The second potential breeding location is located approximately 450 meters from the boundary of the most southerly section of the proposed project site, where a species-specific nest box has been installed in derelict round tower. According to anecdotal evidence from the landowner, Barn Owl pair has been breeding in this location in previous years



Appendix 7-1 - II BLACK-HEADED GULL



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT72-20	Breeding	VP4	04/06/2020	14:13:00	1	65	15m	0	65
WT60-20	Breeding	VP5	04/06/2020	12:10:00	1	10	15m	0	10
WT57-20	Breeding	VP4	04/06/2020	12:05:00	2	35	27.5m	35	0
WT56-20	Breeding	VP2	04/06/2020	11:59:00	1	12	20m	12	0
WT67-20/21	Wintering	VP, 3	05/11/2020	14:58:00	9	116	70m	0	116
WT47-20/21	Wintering	VP, 3	05/11/2020	12:18:00	14	136	50m	0	136
WT94-20/21	Wintering	VP, 5	14/01/2021	10:17:00	2	35	110m	15	20
WT153-20/21	Wintering	VP3	14/01/2021	14:59:00	4	30	90m	30	0
WT124-20/21	Wintering	VP, 4	09/02/2021	13:39:00	57	150	47.5m	0	150
WT122-20/21	Wintering	VP, 4	09/02/2021	12:39:00	17	330	45m	60	270
WT121-20/21	Wintering	VP, 4	09/02/2021	12:39:00	13	330	45m	60	270
WT119-20/21	Wintering	VP, 4	09/02/2021	12:16:00	63	360	57.5	0	360
WT40-21	Breeding	VP5	11/06/2021	11:55:00	1	20	17.5m	0	20
WT37-21	Breeding	VP3	11/06/2021	13:18:00	2	10	35m	10	0
WT45-21	Breeding	VP1, VP2	14/06/2021	11:48:00	1	180	40m	180	0
WT151-21/22	Wintering	VP3, VP4	10/02/2022	10:40:00	11	352	25m	52	300
WT8-22/23	Wintering	VP2	28/11/2022	11:18:00	1	10	25m	0	10
WT4-22/23	Wintering	VP2	28/11/2022	10:25:00	9	180	62.5m	50	130
WT70-22/23	Wintering	VP1	30/11/2022	14:20:00	24	5	20m	0	5
WT69-22/23	Wintering	VPB, VP3	30/11/2022	14:18:00	250	480	10m	0	480
WT66-22/23	Wintering	VP1	30/11/2022	14:00:00	27	10	30m	0	10
WT60-22/23	Wintering	VP3	30/11/2022	13:12:00	50	142	15m	14	128
WT54-22/23	Wintering	VPB	30/11/2022	12:46:00	10	80	65m	0	80
WT53-22/23	Wintering	VPB	30/11/2022	12:44:00	1	280	220m	0	280
WT51-22/23	Wintering	VP1	30/11/2022	12:41:00	50	600	35m	300	300



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT49-22/23	Wintering	VPA	30/11/2022	11:52:00	1	81	15m	10	71
WT48-22/23	Wintering	VPB	30/11/2022	11:47:00	11	77	50m	10	67
WT45-22/23	Wintering	VPB	30/11/2022	11:28:00	26	26	10m	0	26
WT44-22/23	Wintering	VP1	30/11/2022	11:27:00	50	0	7.5m	-	-
WT43-22/23	Wintering	VP4	30/11/2022	11:23:00	11	60	62.5m	2	58
WT42-22/23	Wintering	VPB	30/11/2022	11:19:00	10	64	15m	0	64
WT41-22/23	Wintering	VPA, VP3	30/11/2022	11:19:00	3	329	15m	41	288
WT40-22/23	Wintering	VP1	30/11/2022	11:10:00	10	16	25m	0	16
WT39-22/23	Wintering	VP3, VPA, VP4	30/11/2022	11:05:00	21	480	62.5m	54	426
WT38-22/23	Wintering	VPB	30/11/2022	11:02:00	48	450	50m	150	300
WT37-22/23	Wintering	VPB	30/11/2022	11:02:00	120	145	10m	0	145
WT35-22/23	Wintering	VPA	30/11/2022	10:43:00	4	128	15m	110	18
WT34-22/23	Wintering	VP3, VP1	30/11/2022	10:40:00	36	158	25m	0	158
WT30-22/23	Wintering	VPB	30/11/2022	10:27:00	37	35	65m	0	35
WT28-22/23	Wintering	VP4, VPB	30/11/2022	10:24:00	100	90	15m	20	70
WT24-22/23	Wintering	VPA	30/11/2022	10:06:00	30	169	62.5m	130	39
WT22-22/23	Wintering	VPB, VP4	30/11/2022	09:59:00	7	65	65m	35	30
WT14-22/23	Wintering	VPB, VP4	30/11/2022	09:10:00	10	25	25m	25	0
WT99-22/23	Wintering	VP4	20/12/2022	11:35:00	1	18	15m	6	12
WT98-22/23	Wintering	VP3, VPB	20/12/2022	11:35:00	6	300	2.5m	50	250
WT97-22/23	Wintering	VP3	20/12/2022	11:29:00	3	30	2.5m	0	30
WT96-22/23	Wintering	VPB	20/12/2022	11:28:00	6	180	2.5m	0	180
WT94-22/23	Wintering	VPB	20/12/2022	11:19:00	13	120	2.5m	0	120
WT93-22/23	Wintering	VP4	20/12/2022	11:11:00	4	22	15m	17	5



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT90-22/23	Wintering	VP4	20/12/2022	10:59:00	1	11	15m	7	4
WT87-22/23	Wintering	VPA	20/12/2022	10:25:00	5	30	12.5m	25	5
WT86-22/23	Wintering	VP4	20/12/2022	10:24:00	2	39	15m	30	9
WT83-22/23	Wintering	VP4	20/12/2022	10:20:00	4	40	15m	5	35
WT82-22/23	Wintering	VPB	20/12/2022	10:19:00	1	55	2.5m	8	47
WT81-22/23	Wintering	VP4	20/12/2022	10:16:00	1	33	15m	0	33
WT80-22/23	Wintering	VP4	20/12/2022	10:11:00	4	195	15m	95	100
WT79-22/23	Wintering	VPB	20/12/2022	10:09:00	5	5	15m	4	1
WT77-22/23	Wintering	VP3, VP4	20/12/2022	09:15:00	8	72	15m	20	52
WT76-22/23	Wintering	VPB	20/12/2022	09:09:00	11	180	2.5m	0	180
WT74-22/23	Wintering	VPB	20/12/2022	09:00:00	1	180	2.5m	0	180
WT117-22/23	Wintering	VP3	20/12/2022	14:30:00	1	40	15m	0	40
WT114-22/23	Wintering	VPB	20/12/2022	14:16:00	6	62	2.5m	42	20
WT113-22/23	Wintering	VP4	20/12/2022	14:06:00	1	21	15m	10	11
WT111-22/23	Wintering	VPA	20/12/2022	13:30:00	2	50	10m	35	15
WT110-22/23	Wintering	VP4	20/12/2022	13:11:00	15	189	15m	95	94
WT107-22/23	Wintering	VP4	20/12/2022	13:07:00	1	55	15m	0	55
WT104-22/23	Wintering	VP4	20/12/2022	12:51:00	1	8	15m	0	8
WT103-22/23	Wintering	VP4	20/12/2022	12:48:00	1	5	15m	1	4
WT102-22/23	Wintering	VPB	20/12/2022	12:30:00	4	45	15m	7	38
WT101-22/23	Wintering	VP4	20/12/2022	12:25:00	1	42	15m	0	42
WT146-22/23	Wintering	VP1	21/12/2022	13:28:00	1	140	60m	60	80
WT137-22/23	Wintering	VP1	21/12/2022	12:20:00	1	35	90m	17	18
WT135-22/23	Wintering	VP1, VP2	21/12/2022	12:06:00	1	243	120m	160	83
WT134-22/23	Wintering	VP2	21/12/2022	11:08:00	1	92	15m	75	17



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT129-22/23	Wintering	VP5	21/12/2022	09:53:00	12	28	40m	0	28
WT127-22/23	Wintering	VP5	21/12/2022	09:46:00	2	15	30m	0	15
WT298-22/23	Wintering	VP5	25/01/2023	14:51:00	6	90	-	45	45
WT224-22/23	Wintering	VPA	27/03/2023	12:14:00	2	360	15m	250	110
WT195-22/23	Wintering	VPB	27/03/2023	09:50:00	2	30	2.5m	30	0
WT183-22/23	Wintering	VPA	27/03/2023	08:43:00	2	21600	2.5m	21600	0
WT16-23	Breeding	VP2, VP1	30/05/2023	12:16:00	1	57	15m	57	0
WT35-23	Breeding	VPA	20/07/2023	08:54:00	1	3600	2.5m	1800	1800
WT184-23/24	Wintering	VPB	20/12/2023	11:59:00	80	300	15m	0	300
WT181-23/24	Wintering	VPB	20/12/2023	09:26:00	6	182	2.5m	91	91
WT178-23/24	Wintering	VPA, VPB	20/12/2023	14:06:00	4	50	62.5m	10	40
WT171-23/24	Wintering	VPA, VPB	20/12/2023	11:30:00	65	480	62.5m	350	130
WT168-23/24	Wintering	VPA	20/12/2023	08:55:00	8	5400	15m	4000	1400
WT151-23/24	Wintering	VP2	20/12/2023	11:36:00	30	22	75m	20	2
WT188-23/24	Wintering	VP4	11/01/2024	09:35:00	60	70	62.5m	40	35
WT231-23/24	Wintering	VP4	25/01/2024	10:17:00	9	5	35m	1	4
WT223-23/24	Wintering	VP3	25/01/2024	12:50:00	80	150	62.5m	120	30
WT220-23/24	Wintering	VP3	25/01/2024	11:28:00	30	155	62.5m	125	30
WT218-23/24	Wintering	VP3	25/01/2024	10:29:00	1	56	62.5m	50	6
WT209-23/24	Wintering	VP2	25/01/2024	13:02:00	50	60	120m	20	60
WT206-23/24	Wintering	VP2	25/01/2024	12:05:00	20	30	15m	0	30
WT191-23/24	Wintering	VP1, VP2	25/01/2024	09:07:00	6	38	15m	0	38
WT269-23/24	Wintering	VPA	02/02/2024	12:10:00	10	20	15m	15	5



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT354-23/24	Wintering	VP3	21/03/2024	09:52:00	100	120	15m	120	0
WT345-23/24	Wintering	VP3	21/03/2024	08:52:00	7	86	62.5m	66	20
WT333-23/24	Wintering	VP1	21/03/2024	12:57:00	2	212	62.5m	200	12
WT405-23/24	Wintering	VPB	27/03/2024	11:09:00	3	54	62.5m	14	40
WT400-23/24	Wintering	VPB	27/03/2024	08:55:00	8	205	62.5m	0	205
WT392-23/24	Wintering	VPA	27/03/2024	11:40:00	1	40	62.5m	0	40
WT379-23/24	Wintering	VP5	27/03/2024	12:26:00	2	6	9m	0	6
WT377-23/24	Wintering	VP5	27/03/2024	10:09:00	3	4	12.5m	4	0
WT65-24	Breeding	VP5	24/06/2024	13:12:00	1	20	15m	0	20
WT63-24	Breeding	VPB	24/06/2024	12:58:00	2	7200	15m	7200	0
WT62-24	Breeding	VPB	24/06/2024	12:47:00	2	8	10m	6	2
WT59-24	Breeding	VPB	24/06/2024	11:27:00	1	300	30m	300	0
WT53-24	Breeding	VPB	24/06/2024	09:51:00	1	210	40m	200	10
WT148-24	Breeding	VPB	28/08/2024	13:38:00	1	200	25m	120	80

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00013	Winter	VP1	28/10/2025	13:57:00	48	55	0	0	0	0	55
F00016	Winter	VP1	28/10/2025	14:44:00	10	18	0	0	0	0	18
F00021	Winter	VP1	28/10/2025	16:11:00	4	21	0	0	0	0	21



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00067	Winter	VP5	19/11/2025	10:43:00	33	65	15	0	0	0	80
F00069	Winter	VP5	19/11/2025	11:00:00	2	45	0	0	0	0	45
F00070	Winter	VP5	19/11/2025	11:44:00	1	48	0	0	0	0	48
F00072	Winter	VP5	19/11/2025	12:27:00	1	35	0	0	0	0	35
F00084	Winter	VP1	27/11/2025	08:59:00	1	0	0	24	0	0	24
F00108	Winter	VP2	25/11/2025	11:51:00	7	0	0	49	0	0	49
F00144	Winter	VP3	28/11/2025	12:12:00	2	16	0	0	0	0	16
F00161	Winter	VP5	08/12/2025	10:13:00	35	0	25	0	0	0	25
F00183	Winter	VP1	02/12/2025	11:03:00	32	0	40	0	0	0	40
F00184	Winter	VP1	02/12/2025	11:32:00	26	0	34	0	0	0	34
F00185	Winter	VP1	02/12/2025	11:32:00	92	9	44	0	0	0	53
F00186	Winter	VP1	02/12/2025	11:34:00	29	23	81	0	0	0	104
F00188	Winter	VP1	02/12/2025	11:39:00	102	0	112	0	0	0	112
F00189	Winter	VP1	02/12/2025	11:44:00	108	24	47	60	0	0	131
F00193	Winter	VP1	02/12/2025	12:05:00	51	0	73	0	0	0	73
F00194	Winter	VP1	02/12/2025	12:07:00	79	0	15	39	0	0	54
F00195	Winter	VP1	02/12/2025	12:09:00	52	0	61	0	0	0	61
F00196	Winter	VP1	02/12/2025	12:13:00	51	0	82	0	0	0	82
F00198	Winter	VP1	02/12/2025	12:31:00	64	0	51	0	0	0	51
F00199	Winter	VP1	02/12/2025	12:35:00	63	0	3	36	0	0	39
F00201	Winter	VP1	02/12/2025	12:37:00	96	0	39	0	0	0	39
F00202	Winter	VP1	02/12/2025	12:48:00	202	0	0	191	0	0	191
F00203	Winter	VP1	02/12/2025	12:56:00	15	0	38	0	0	0	38
F00205	Winter	VP1	02/12/2025	13:01:00	13	0	29	0	0	0	29
F00256	Winter	VP2	03/12/2025	13:22:00	11	0	0	89	24	0	113



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00313	Winter	VP1	27/01/2026	09:12:00	49	0	0	0	137	0	137
F00317	Winter	VP1	27/01/2026	11:23:00	10	0	0	39	0	0	39
F00318	Winter	VP1	27/01/2026	11:24:00	17	3	7	29	0	0	39
F00325	Winter	VP1	27/01/2026	12:37:00	23	0	29	0	0	0	29
F00328	Winter	VP1	27/01/2026	13:06:00	137	0	0	56	149	0	205
F00331	Winter	VP1	27/01/2026	13:19:00	55	0	0	59	0	0	59
F00400	Winter	VP1	10/02/2026	17:19:00	1	0	0	41	0	0	41

Ecology Ireland Transect Survey																								
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)	
2020	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2022/2023	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-	-	8	-	-
2020/2021	-	5	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2023	-	2	-	-	1	-	-	-	-	-	-	-	2	-	4	-	2	-	-	-	-	-	-	-
2023/2024	-	1	-	-	-	-	1	3	1	-	3	-	-	-	2	-	3	-	-	-	-	2	-	-
2024	-		-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-

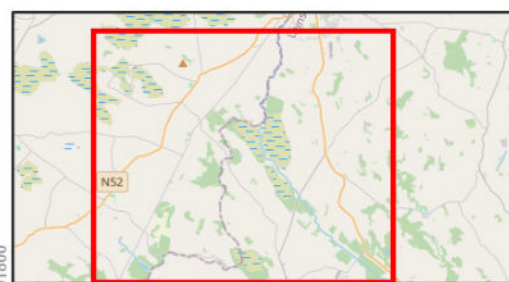
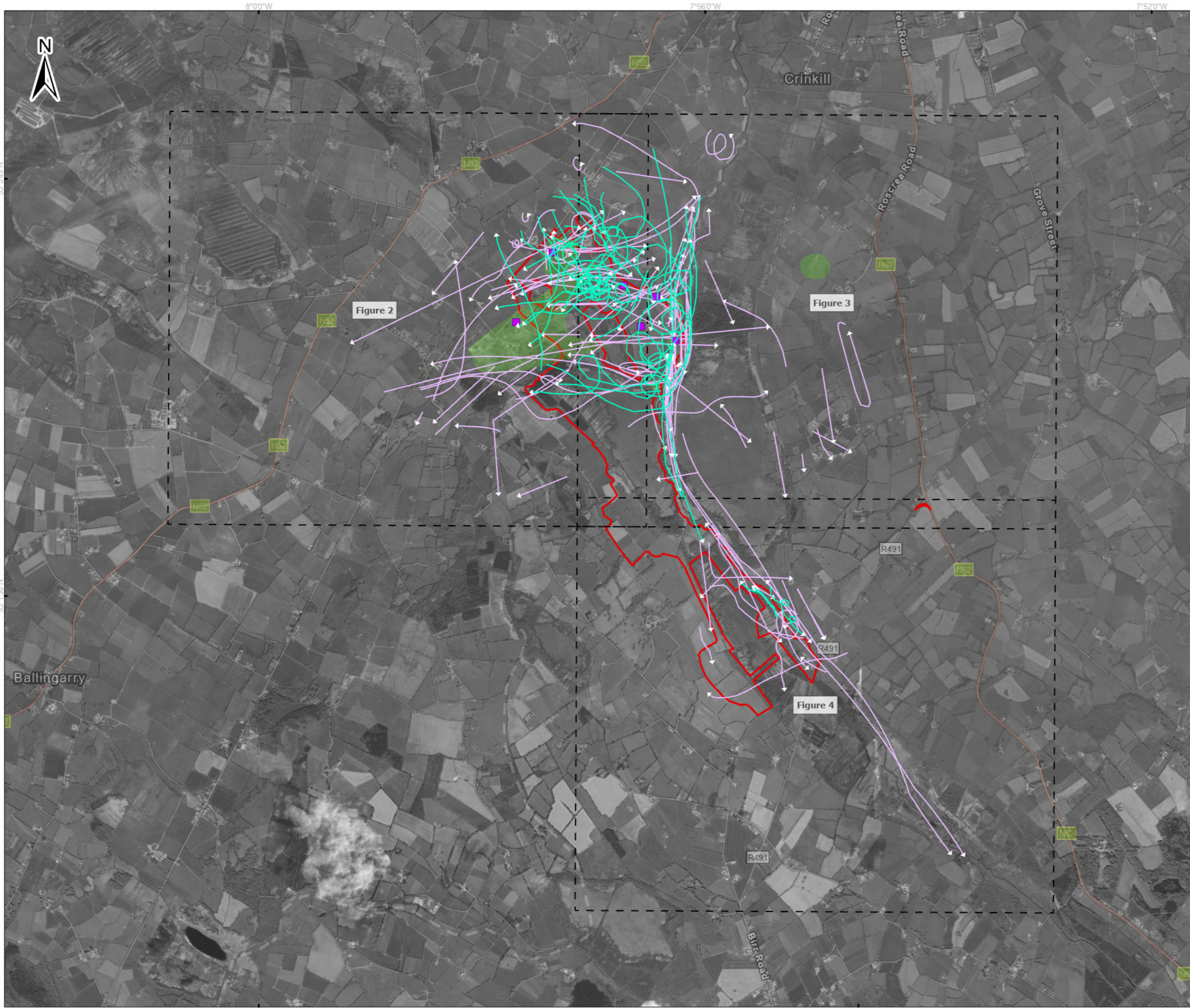
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00266	Winter	Transect	T2,5,6	24/11/2025	13:10:00	32	GA1	in flight
P00267	Winter	Transect	T2,5,6	24/11/2025	13:34:00	4	GA1	on ground



TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00268	Winter	Transect	T2,5,6	24/11/2025	13:44:00	146	GA1	on ground
P00426	Winter	Transect	T2, T5, T6	05/12/2025	10:18:00	5	GA1	in flight
P00431	Winter	Transect	T2, T5, T6	05/12/2025	10:36:00	13	GA1	in flight
P00796	Winter	Transect	T6	13/03/2026	15:02:00	39	FW2	Flying

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Ashton Callows	26/11/2025	N/A	1	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	01/12/2025	N/A	55	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	01/12/2025	N/A	42	N/A	N/A
Winter	I-WeBS	Ashton Callow Hut	16/01/2026	N/A	4	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	09/02/2026	N/A	53	N/A	N/A
Winter	I-WeBS	Dovegrove Callows	09/02/2026	N/A	32	N/A	N/A





- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - ▭ Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025 - 2026
 - Black-headed Gull
 - Flightlines - Ecology Ireland 2020 - 2024
 - Black-headed Gull



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	S.P	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 1:
 Black-headed Gull observations
 over the survey period
 (May 2020 – March 2026)
 Overview**

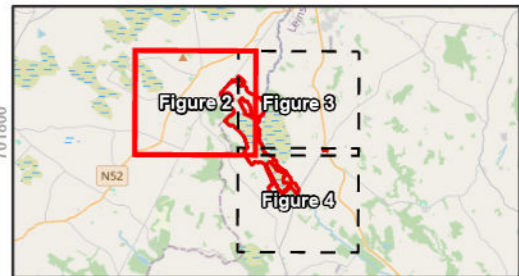
Scale @ A3: 1:35,000

Prepared by: S.Pezzetta Checked by: J.Sherry Date: April 2026

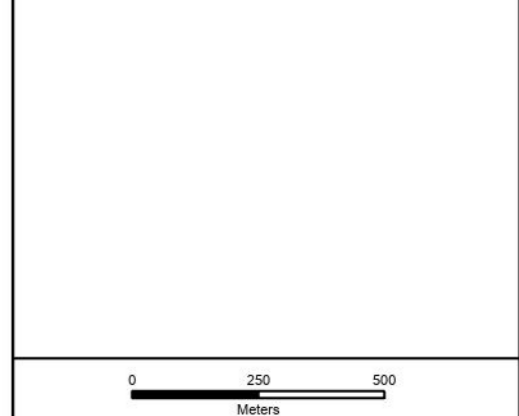
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 Email: info@tobin.ie
 www.tobin.ie

Map Ref: 11333-001.ApX-VP-BH-SUM-A_Overview Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - ▲ Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Flightlines - Ecology Ireland 2020 - 2024
 - Black-headed Gull



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	S.P	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 2:
 Black-headed Gull observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 1 of 3 -**

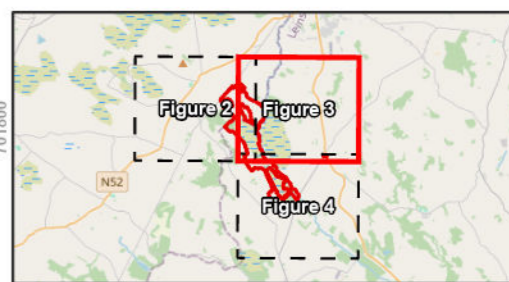
Scale @ A3: 1:15,000

Prepared by: S. Pezzetta Checked by: J. Sherry Date: April 2026

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Map Ref: 11333-001.ApX-VP-BH-SUM-A Draft: **A**



- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Black-headed Gull
 - Flightlines - Ecology Ireland 2020 - 2024
 - Black-headed Gull

0		250		500	
Meters					

Spatial Reference Datum: IRENET95 EPSG: 2157	Copyrights: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community.
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A	02/04/2026	First issue	S.P	J.S
Rev	Date	Description	By	Chkd.

Client:



Project:
Ballincor Wind Farm

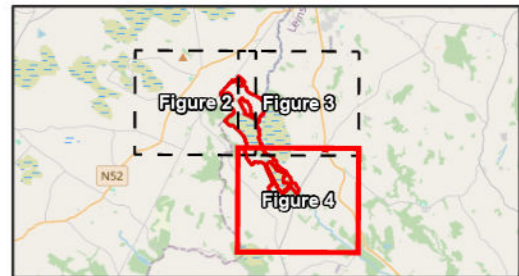
Title:
**Appendix 7-I, Figure 3:
Black-headed Gull observations
over the survey period
(May 2020 – March 2026)
- Sheet 2 of 3 -**

Scale @ A3:	1:15,000	
Prepared by:	Checked by:	Date:
S.Pezzetta	J.Sherry	April 2026

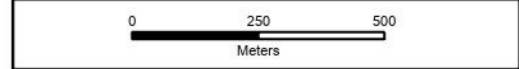


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Map Ref:	Draft:
11333-001.ApX-VP-BH-SUM-A	A



- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Black-headed Gull
 - Flightlines - Ecology Ireland 2020 - 2024
 - Black-headed Gull



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	S.P	J.S

Client: 

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 4:
 Black-headed Gull observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 3 of 3 -**

Scale @ A3: 1:15,000

Prepared by: S. Pezzetta Checked by: J. Sherry Date: April 2026

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Map Ref: 11333-001.ApX-VP-BH-SUM-A Draft: **A**

Appendix 7-1 - III BLACK-TAILED GODWIT



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WD53-23/24	Wintering	VP1, VP2, VP3	21/03/2024	09:32:00	350	80	15m	40	40
WD55-23/24	Wintering	VPA	27/03/2024	10:20:00	110	14000	2.5m	14000	0

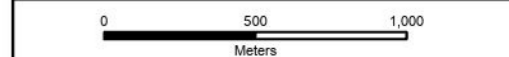
TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00534	Winter	VP2	17/02/2026	11:01:00	82	0	0	82	17	0	99
F00535	Winter	VP2	17/02/2026	11:04:00	44	0	0	63	16	0	79
F00536	Winter	VP2	17/02/2026	11:10:00	1750	0	0	104	32	0	136

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Little Brosna Callow Hut	01/12/2025	N/A	1700	N/A	N/A





- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Flightlines - Ecology Ireland 2020 - 2024
 - Black-tailed Godwit
 - Flightlines - TOBIN 2025/26
 - Black-tailed Godwit



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	07/04/2026	First issue	S.P	J.S

Client: 

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 5:
 Black-tailed Godwit observations
 over the survey period
 (May 2020 – Sept 2026)**

Scale @ A3: 1:25,000

Prepared by: S.Pezzetta Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-002.ApX-VP-BW-SUM-A Draft: **A**

Appendix 7-1 - IV BUZZARD



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP1-20	Breeding	VP3, VP5	28/04/2020	09:51:00	1	600	137.5m	500	100
RP11-20	Breeding	VP4	28/04/2020	11:45:00	2	300	87.5m	100	200
RP12-20	Breeding	VP1	28/04/2020	12:26:00	1	80	25m	60	20
RP13-20	Breeding	VP1	28/04/2020	12:35:00	1	30	10m	30	0
RP14-20	Breeding	VP4	28/04/2020	13:30:00	2	400	87.5m	0	400
RP2-20	Breeding	VP3, VP5	28/04/2020	09:51:00	1	540	137.5m	500	100
RP3-20	Breeding	VP3, VP4	28/04/2020	09:51:00	1	540	87.5m	500	40
RP4-20	Breeding	VP4	28/04/2020	10:05:00	1	30	100m	30	0
RP5-20	Breeding	VP4	28/04/2020	10:09:00	1	120	62.5m	0	120
RP6-20	Breeding	VP4	28/04/2020	10:30:00	2	120	87.5m	120	0
RP7-20	Breeding	VP3	28/04/2020	10:59:00	1	0	40m	-	-
RP9-20	Breeding	VP5	28/04/2020	11:23:00	2	360	100m	120	240
RP17-20	Breeding	VP4	14/05/2020	10:32:00	1	240	125m	40	200
RP18-20	Breeding	VP1	14/05/2020	10:38:00	2	30	62.5m	15	15
RP20-20	Breeding	VP3	14/05/2020	11:17:00	3	408	75m	0	408
RP22-20	Breeding	VP3	14/05/2020	11:44:00	2	54	27.5m	0	54
RP23-20	Breeding	VP3	14/05/2020	11:49:00	2	169	40m	80	89
RP24-20	Breeding	VP3	14/05/2020	12:04:00	1	98	20m	0	98
RP27-20	Breeding	VP3	14/05/2020	12:24:00	1	95	20m	0	95
RP29-20	Breeding	VP2	14/05/2020	12:43:00	1	300	87.5m	300	0
RP30-20	Breeding	VP3	14/05/2020	12:44:00	1	60	25m	0	60
RP31-20	Breeding	VP2	14/05/2020	12:44:00	1	240	175m	200	40
RP32-20	Breeding	VP1	14/05/2020	12:45:00	1	30	15m	30	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP34-20	Breeding	VP4	14/05/2020	13:39:00	1	40	37.5m	0	40
RP36-20	Breeding	VP1	14/05/2020	13:58:00	1	5	15m	2	3
RP37-20	Breeding	VP5	14/05/2020	14:15:00	1	40	70m	0	40
RP38-20	Breeding	VP3	14/05/2020	14:20:00	1	45	17.5m	0	45
RP40-20	Breeding	VP2	14/05/2020	14:25:00	2	60	150m	40	20
RP42-20	Breeding	VP4	14/05/2020	14:44:00	2	90	75m	0	90
RP43-20	Breeding	VP4	14/05/2020	14:45:00	1	60	75m	0	60
RP45-20	Breeding	VP4	04/06/2020	08:41:00	1	105	30m	0	105
RP48-20	Breeding	VP4	04/06/2020	09:12:00	1	25	25m	0	25
RP49-20	Breeding	VP4	04/06/2020	09:40:00	1	210	20m	0	210
RP50-20	Breeding	VP4	04/06/2020	09:41:00	1	130	22.5m	0	130
RP52-20	Breeding	VP3	04/06/2020	10:27:00	2	100	25m	100	0
RP58-20	Breeding	VP4	04/06/2020	12:18:00	1	20	20m	20	0
RP61-20	Breeding	VP4	04/06/2020	12:38:00	1	30	17.5m	30	0
RP63-20	Breeding	VP4	04/06/2020	12:54:00	1	180	20m	0	180
RP66-20	Breeding	VP4	04/06/2020	13:13:00	1	135	22.5m	0	135
RP67-20	Breeding	VP4	04/06/2020	13:13:00	1	95	17.5m	0	95
RP68-20	Breeding	VP4	04/06/2020	13:44:00	1	24	20m	24	0
RP72-20	Breeding	VP3	04/06/2020	14:11:00	1	50	30m	50	0
RP73-20	Breeding	VP4	04/06/2020	14:19:00	1	395	20m	95	300
RP74-20	Breeding	VP2	04/06/2020	14:23:00	1	12	80m	0	12
N/A	Breeding	VP3	10/07/2020	13:58:00	2	60	125m	0	60
RP100-20	Breeding	VP3	10/07/2020	11:11:00	2	30	20m	30	0
RP101-20	Breeding	VP5, V2	10/07/2020	11:14:00	1	390	112.5m	200	190
RP104-20	Breeding	VP3	10/07/2020	11:37:00	1	8	10m	8	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP105-20	Breeding	VP4	10/07/2020	11:39:00	1	12	35m	12	0
RP110-20	Breeding	VP4	10/07/2020	11:53:00	1	8	27.5m	8	0
RP112-20	Breeding	VP2	10/07/2020	11:55:00	1	170	30m	0	170
RP114-20	Breeding	VP4	10/07/2020	11:59:00	1	20	25m	10	10
RP115-20	Breeding	VP3	10/07/2020	12:00:00	1	120	30m	120	0
RP116-20	Breeding	VP4	10/07/2020	12:12:00	1	600	57.5m	600	0
RP118-20	Breeding	VP5	10/07/2020	12:17:00	2	180	100m	0	180
RP120-20	Breeding	VP2	10/07/2020	12:33:00	1	20	Unknown	20	0
RP122-20	Breeding	VP2	10/07/2020	12:40:00	1	375	145m	0	375
RP126-20	Breeding	VP4	10/07/2020	13:07:00	1	120	35m	100	20
RP127-20	Breeding	VP4	10/07/2020	13:09:00	1	20	45m	20	0
RP129-20	Breeding	VP4	10/07/2020	13:17:00	1	120	45m	100	20
RP133-20	Breeding	VP2	10/07/2020	14:09:00	1	80	35m	10	70
RP134-20	Breeding	VP2	10/07/2020	14:27:00	1	145	102.5m	45	100
RP135-20	Breeding	VP2	10/07/2020	14:31:00	1	21	12.5m	21	0
RP136-20	Breeding	VP5	10/07/2020	14:40:00	1	77	35m	0	77
RP83-20	Breeding	VP3	10/07/2020	09:56:00	2	280	57.5m	0	280
RP86-20	Breeding	VP4	10/07/2020	10:05:00	2	135	25m	0	135
RP87-20	Breeding	VP3	10/07/2020	10:06:00	1	60	22.5m	60	0
RP88-20	Breeding	VP3	10/07/2020	10:06:00	1	60	22.5m	55	5
RP89-20	Breeding	VP2	10/07/2020	10:26:00	1	7	27.5m	7	0
RP90-20	Breeding	VP4	10/07/2020	10:28:00	1	360	100m	360	0
RP91-20	Breeding	VP3	10/07/2020	10:48:00	2	60	80m	0	60
RP93-20	Breeding	VP5	10/07/2020	10:51:00	3	382	85m	0	382
RP95-20	Breeding	VP4	10/07/2020	11:00:00	1	180	60m	0	180



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP96-20	Breeding	VP5	10/07/2020	11:07:00	1	29	20m	4	25
RP99-20	Breeding	VP4	10/07/2020	11:11:00	1	600	45m	50	550
RP142-20	Breeding	VP3	14/08/2020	10:54:00	1	50	20m	20	30
RP143-20	Breeding	VP5	14/08/2020	10:59:00	1	48	7.5m	0	48
RP156-20	Breeding	VP1	14/08/2020	12:08:00	1	1080	60m	900	180
RP158-20	Breeding	VP4	14/08/2020	12:15:00	1	10	0m	0	10
RP160-20	Breeding	VP4	14/08/2020	13:07:00	1	30	-	0	30
RP163-20	Breeding	VP5	14/08/2020	13:42:00	1	165	150m	80	85
RP164-20	Breeding	VP2	14/08/2020	13:45:00	1	88	80m	0	88
RP165-20	Breeding	VP1	14/08/2020	13:46:00	1	25	75m	0	25
RP10-20/21	Wintering	VP, 4	08/10/2020	10:55:00	1	20	15m	20	0
RP15-20/21	Wintering	VP, 4	08/10/2020	11:26:00	1	60	15m	60	0
RP18-20/21	Wintering	VP, 4	08/10/2020	11:49:00	2	60	62.5m	60	0
RP28-20/21	Wintering	VP, 4	08/10/2020	12:37:00	2	180	15m	150	30
RP29-20/21	Wintering	VP, 3	08/10/2020	12:40:00	2	175	20m	90	85
RP31-20/21	Wintering	VP, 2	08/10/2020	12:54:00	1	6	40m	6	0
RP32-20/21	Wintering	VP, 3	08/10/2020	12:54:00	1	30	30m	30	0
RP34-20/21	Wintering	VP, 5	08/10/2020	13:18:00	2	540	80m	0	540
RP40-20/21	Wintering	VP, 4	08/10/2020	14:16:00	3	30	15m	0	30
RP41-20/21	Wintering	VP, 4	08/10/2020	14:16:00	2	20	62.5m	5	15
RP5-20/21	Wintering	VP, 4	08/10/2020	10:09:00	1	60	15m	60	0
RP6-20/21	Wintering	VP, 4	08/10/2020	10:30:00	1	60	15m	60	0
RP49-20/21	Wintering	VP, 4	05/11/2020	11:11:00	1	20	25m	0	20
RP51-20/21	Wintering	VP, 5	05/11/2020	12:11:00	1	120	22.5m	0	120
RP57-20/21	Wintering	VP, 4	05/11/2020	13:08:00	1	10	15m	0	10



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP58-20/21	Wintering	VP, 4	05/11/2020	13:19:00	1	55	35m	0	55
RP62-20/21	Wintering	VP, 4	05/11/2020	13:55:00	3	60	35m	0	60
RP66-20/21	Wintering	VP, 5	05/11/2020	14:51:00	1	15	12.5m	0	15
RP69-20/21	Wintering	VP, 4	05/11/2020	15:14:00	1	45	35m	0	45
RP71-20/21	Wintering	VP, 4	04/12/2020	09:11:00	1	40	15m	0	40
RP73-20/21	Wintering	VP, 1	04/12/2020	09:48:00	1	63	35m	0	63
RP76-20/21	Wintering	VP, 4	04/12/2020	10:20:00	1	50	15m	0	50
RP77-20/21	Wintering	VP, 4	04/12/2020	10:24:00	1	20	15m	0	20
RP95-20/21	Wintering	VP, 3	04/12/2020	13:51:00	1	60	80m	60	0
RP96-20/21	Wintering	VP, 1	04/12/2020	13:58:00	1	30	20m	0	30
RP97-20/21	Wintering	VP, 5	04/12/2020	14:02:00	1	10	15m	0	10
RP100-20/21	Wintering	VP, 2	14/01/2021	10:56:00	1	180	7.5m	180	0
RP108-20/21	Wintering	VP, 2	14/01/2021	13:12:00	3	366	25m	366	0
RP109-20/21	Wintering	VP, 2, VP, 3	14/01/2021	13:55:00	1	60	17.5m	60	0
RP110-20/21	Wintering	VP, 2	14/01/2021	13:55:00	1	140	25m	120	20
RP111-20/21	Wintering	VP, 2	14/01/2021	13:55:00	1	234	40m	164	70
RP112-20/21	Wintering	VP, 2	14/01/2021	14:20:00	1	20	22.5m	20	0
RP219-20/21	Wintering	VP3	14/01/2021	14:35:00	1	20	25m	20	0
RP120-20/21	Wintering	VP, 5	09/02/2021	11:27:00	1	17	10m	0	17
RP122-20/21	Wintering	VP, 2	09/02/2021	12:50:00	1	20	45m	0	20
RP123-20/21	Wintering	VP, 3	09/02/2021	12:54:00	1	0	20m	Unknown	0
RP125-20/21	Wintering	VP, 4	09/02/2021	13:20:00	1	10	7.5m	0	10
RP127-20/21	Wintering	VP, 4	09/02/2021	13:53:00	1	25	10m	0	25
RP221-20/21	Wintering	VP1	09/02/2021	11:56:00	1	70	62.5m	70	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP222-20/21	Wintering	VP1	09/02/2021	12:25:00	2	120	62.5m	0	120
RP223-20/21	Wintering	VP1	09/02/2021	12:30:00	1	60	100m	0	60
RP224-20/21	Wintering	VP1	09/02/2021	14:07:00	1	30	62.5m	30	0
RP134-20/21	Wintering	VP, 2	08/03/2021	09:35:00	2	105	27.5m	105	0
RP136-20/21	Wintering	VP, 3	08/03/2021	09:55:00	1	15	45m	15	0
RP137-20/21	Wintering	VP, 4	08/03/2021	10:03:00	1	34	20m	0	34
RP147-20/21	Wintering	VP, 4	08/03/2021	11:17:00	2	54	15m	0	54
RP150-20/21	Wintering	VP, 5	08/03/2021	11:44:00	2	300	70m	0	300
RP152-20/21	Wintering	VP, 2	08/03/2021	11:49:00	1	55	15m	55	0
RP153-20/21	Wintering	VP, 2	08/03/2021	11:50:00	1	25	37.5m	25	0
RP154-20/21	Wintering	VP, 2	08/03/2021	11:50:00	2	35	35m	35	0
RP155-20/21	Wintering	VP, 2	08/03/2021	11:51:00	1	210	55m	90	120
RP156-20/21	Wintering	VP, 2	08/03/2021	11:51:00	1	100	40m	100	0
RP157-20/21	Wintering	VP, 2	08/03/2021	11:54:00	3	470	152.5m	0	470
RP160-20/21	Wintering	VP, 2	08/03/2021	12:04:00	1	25	200m	0	25
RP162-20/21	Wintering	VP, 4	08/03/2021	12:18:00	2	60	100m	60	0
RP163-20/21	Wintering	VP, 3	08/03/2021	12:20:00	2	55	35m	0	55
RP164-20/21	Wintering	VP, 2	08/03/2021	12:27:00	1	135	100m	0	135
RP166-20/21	Wintering	VP, 5, VP, 2	08/03/2021	12:28:00	3	565	95m	0	565
RP167-20/21	Wintering	VP, 2	08/03/2021	12:31:00	1	385	225m	0	385
RP172-20/21	Wintering	VP, 4	08/03/2021	12:56:00	1	90	40m	90	0
RP174-20/21	Wintering	VP, 5	08/03/2021	12:58:00	1	70	50m	0	70
RP175-20/21	Wintering	VP, 5	08/03/2021	12:58:00	2	180	80m	180	0
RP176-20/21	Wintering	VP, 2	08/03/2021	13:00:00	1	70	150m	70	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP177-20/21	Wintering	VP, 4	08/03/2021	13:03:00	1	24	15m	0	24
RP179-20/21	Wintering	VP, 2	08/03/2021	13:07:00	1	660	30m	190	470
RP180-20/21	Wintering	VP, 2	08/03/2021	13:07:00	1	5	12.5m	5	0
RP181-20/21	Wintering	VP, 3	08/03/2021	13:08:00	1	120	55m	120	0
RP183-20/21	Wintering	VP, 4	08/03/2021	13:16:00	3	80	75m	0	80
RP184-20/21	Wintering	VP, 2	08/03/2021	13:19:00	1	195	70m	195	0
RP185-20/21	Wintering	VP, 2	08/03/2021	13:32:00	2	65	120m	0	65
RP185-20/21	Wintering	VP, 2	08/03/2021	13:33:00	3	10	75m	0	10
RP187-20/21	Wintering	VP, 5	08/03/2021	13:36:00	2	600	50m	0	600
RP188-20/21	Wintering	VP, 3	08/03/2021	13:38:00	1	85	50m	0	85
RP191-20/21	Wintering	VP, 4	08/03/2021	13:41:00	1	86	40m	86	0
RP192-20/21	Wintering	VP, 1	08/03/2021	13:46:00	2	140	70m	0	140
RP195-20/21	Wintering	VP, 4	08/03/2021	13:56:00	1	10	15m	0	10
RP196-20/21	Wintering	VP, 3	08/03/2021	14:01:00	1	86	70m	0	86
RP198-20/21	Wintering	VP, 4	08/03/2021	14:06:00	2	72	15m	0	72
RP199-20/21	Wintering	VP, 4	08/03/2021	14:15:00	1	53	25m	0	53
RP201-20/21	Wintering	VP, 3	08/03/2021	14:17:00	1	117	40m	0	117
RP202-20/21	Wintering	VP, 2	08/03/2021	14:23:00	1	90	40m	5	85
RP203-20/21	Wintering	VP, 4	08/03/2021	14:23:00	1	272	35m	0	272
RP204-20/21	Wintering	VP, 2	08/03/2021	14:28:00	1	750	130m	0	750
RP206-20/21	Wintering	VP, 4	08/03/2021	14:31:00	1	45	20m	0	45
RP208-20/21	Wintering	VP, 5	08/03/2021	14:32:00	1	40	40m	0	40
RP209-20/21	Wintering	VP, 2	08/03/2021	14:40:00	2	55	162.5m	0	55
RP210-20/21	Wintering	VP, 2	08/03/2021	14:41:00	1	225	130m	85	140
RP211-20/21	Wintering	VP, 2	08/03/2021	14:41:00	1	360	75m	0	360



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP212-20/21	Wintering	VP, 1	08/03/2021	14:44:00	1	30	45m	0	30
RP213-20/21	Wintering	VP, 2	08/03/2021	14:48:00	1	260	142.5m	120	140
RP214-20/21	Wintering	VP, 2	08/03/2021	14:52:00	2	165	250m	0	165
RP215-20/21	Wintering	VP, 2	08/03/2021	14:55:00	1	300	220m	0	300
RP216-20/21	Wintering	VP, 2	08/03/2021	14:55:00	1	15	220m	0	15
RP217-20/21	Wintering	VP, 2	08/03/2021	14:56:00	1	35	120m	0	35
RP218-20/21	Wintering	VP, 3	08/03/2021	14:57:00	1	165	12.5m	0	165
RP10-21	Breeding	VP3	23/04/2021	14:20:00	1	35	30m	35	0
RP11-21	Breeding	VP3	23/04/2021	14:57:00	2	240	25m	240	0
RP2-21	Breeding	VP1, VP2	23/04/2021	14:37:00	1	164	60m	120	44
RP3-21	Breeding	VP2	23/04/2021	10:55:00	3	59	25m	0	59
RP4-21	Breeding	VP2	23/04/2021	12:20:00	1	57	55m	0	57
RP9-21	Breeding	VP3	23/04/2021	12:43:00	1	15	15m	0	15
RP19-21	Breeding	VP3	14/05/2021	10:55:00	1	60	62.5m	0	60
RP20-21	Breeding	VP3	14/05/2021	11:08:00	2	15	62.5m	10	5
RP21-21	Breeding	VP3	14/05/2021	11:19:00	1	55	100m+	50	5
RP22-21	Breeding	VP3	14/05/2021	11:21:00	1	30	100m+	10	20
RP23-21	Breeding	VP3	14/05/2021	11:21:00	2	45	100m+	45	0
RP24-21	Breeding	VP3	14/05/2021	11:35:00	1	20	62.5m	0	20
RP25-21	Breeding	VP3	14/05/2021	11:47:00	1	240	62.5m	140	100
RP26-21	Breeding	VP3	14/05/2021	11:50:00	1	10	100m+	5	5
RP27-21	Breeding	VP3	14/05/2021	12:02:00	1	15	62.5m	15	0
RP28-21	Breeding	VP3	14/05/2021	12:22:00	2	35	100m+	0	35
RP29-21	Breeding	VP3	14/05/2021	12:29:00	1	10	17.5m	10	0
RP30-21	Breeding	VP3	14/05/2021	12:29:00	1	10	17.5m	10	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP32-21	Breeding	VP3	14/05/2021	13:05:00	1	10	2.5m	10	0
RP33-21	Breeding	VP3	14/05/2021	13:35:00	2	65	100m+	0	65
RP34-21	Breeding	VP3	14/05/2021	14:20:00	1	25	62.5m	0	25
RP35-21	Breeding	VP4	14/05/2021	11:01:00	1	180	70	0	180
RP36-21	Breeding	VP4	14/05/2021	11:39:00	2	100	130	0	100
RP37-21	Breeding	VP4	14/05/2021	12:18:00	1	120	100	0	120
RP40-21	Breeding	VP4, VP3	14/05/2021	14:05:00	1	240	130	0	240
RP43-21	Breeding	VP5	14/05/2021	11:50:00	1	400	105m	0	400
RP44-21	Breeding	VP5	14/05/2021	12:55:00	1	360	110m	360	0
RP47-21	Breeding	VP1	17/05/2021	09:33:00	1	240	2.5m	40	200
RP48-21	Breeding	VP1	17/05/2021	09:40:00	1	15	62.5m	0	15
RP49-21	Breeding	VP1	17/05/2021	10:05:00	1	30	100m+	0	30
RP52-21	Breeding	VP1	17/05/2021	12:05:00	1	20	17.5m	15	5
RP53-21	Breeding	VP1	17/05/2021	12:22:00	1	35	62.5m	30	5
RP54-21	Breeding	VP1	17/05/2021	12:53:00	1	10	62.5m	0	10
RP56-21	Breeding	VP1	17/05/2021	14:36:00	1	40	62.5m	0	40
RP57-21	Breeding	VP1	17/05/2021	14:40:00	2	20	100m+	0	20
RP59-21	Breeding	VP2	17/05/2021	13:11:00	1	30	25m	25	5
	Breeding	VP5	11/06/2021	12:32:00	2	120	62.5m		
RP60-21	Breeding	VP3	11/06/2021	11:43:00	1	360	80m	40	320
RP62-21	Breeding	VP3	11/06/2021	13:17:00	1	360	40m	360	0
RP66-21	Breeding	VP5	11/06/2021	12:10:00	1	30	100m	10	20
RP67-21	Breeding	VP5	11/06/2021	13:46:00	1	30	62.5m	0	30
RP68-21	Breeding	VP5	11/06/2021	14:05:00	1	10	62.5m	0	10
RP121-21	Breeding	VP4	14/06/2021	10:30:00	2	115	65m	70	45



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP122-21	Breeding	VP4	14/06/2021	11:26:00	1	60	5m	0	60
RP124-21	Breeding	VP4	14/06/2021	14:42:00	1	30	90m	5	25
RP69-21	Breeding	VP1	14/06/2021	12:05:00	1	20	62.5m	15	5
RP70-21	Breeding	VP1	14/06/2021	13:26:00	1	50	62.5m	40	10
RP72-21	Breeding	VP2	14/06/2021	09:07:00	1	20	30m	10	10
RP73-21	Breeding	VP2	14/06/2021	11:18:00	1	25	20m	25	0
RP74-21	Breeding	VP2	14/06/2021	14:36:00	1	20	30m	20	0
N/A	Breeding	VP1	16/07/2021	13:14:00	1	20	100m+	-	-
N/A	Breeding	VP1	16/07/2021	13:25:00	1	1	100m+		
RP76-21	Breeding	VP1	16/07/2021	10:50:00	1	180	17.5m	0	180
RP80-21	Breeding	VP2	16/07/2021	10:24:00	1	20	62.5m	0	20
RP82-21	Breeding	VP2	16/07/2021	12:29:00	1	125	62.5m	0	125
RP83-21	Breeding	VP2	16/07/2021	12:41:00	1	35	62.5m	0	35
RP85-21	Breeding	VP3	16/07/2021	13:26:00	1	180	45m	30	150
RP86-21	Breeding	VP5	16/07/2021	12:32:00	1	56	100m	6	50
RP87-21	Breeding	VP5	16/07/2021	13:11:00	1	28	100m	8	20
N/A	Breeding	VP4	21/07/2021	10:22:00	2	135	50m	-	-
RP102-21	Breeding	VP1	18/08/2021	13:35:00	1	92	80m	80	12
RP106-21	Breeding	VP1	18/08/2021	14:29:00	1	10	7.5m	10	0
RP108-21	Breeding	VP2, VP4	18/08/2021	10:22:00	1	131	17.5m	65	66
RP110-21	Breeding	VP2	18/08/2021	14:00:00	1	9	2.5m	8	1
RP111-21	Breeding	VP2, VP1	18/08/2021	14:43:00	1	550	135m	480	70
RP112-21	Breeding	VP4	18/08/2021	10:40:00	2	125	-	125	0
RP113-21	Breeding	VP4	18/08/2021	11:54:00	1	240	62.5m	20	220
RP114-21	Breeding	VP4	18/08/2021	13:30:00	1	180	100m+	10	170



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP115-21	Breeding	VP4	18/08/2021	14:27:00	1	20	62.5m	0	20
RP117-21	Breeding	VP5, VP4	18/08/2021	10:37:00	1	40	150m	0	40
RP128-21	Breeding	VP3	18/08/2021	10:31:00	1	100	45m	80	20
RP129-21	Breeding	VP3	18/08/2021	14:08:00	1	320	125m	160	160
RP93-21	Breeding	VP1	18/08/2021	09:49:00	1	20	25m	0	20
RP97-21	Breeding	VP1	18/08/2021	12:15:00	1	114	70m	0	114
RP1-21/22	Wintering	VP4	18/11/2021	11:26:00	1	8	5m	0	8
RP3-21/22	Wintering	VP3	18/11/2021	14:20:00	1	240	25m	0	240
RP13-21/22	Wintering	VP1	23/11/2021	14:24:00	1	2	5m	2	0
RP6-21/22	Wintering	VP1	23/11/2021	09:08:00	1	6000	5m	6000	0
RP7-21/22	Wintering	VP1	23/11/2021	10:23:00	1	420	5m	0	420
RP8-21/22	Wintering	VP1	23/11/2021	10:34:00	1	10860	5m	10800	60
RP9-21/22	Wintering	VP1	23/11/2021	11:45:00	1	900	5m	900	0
N/A	Wintering	VP4	02/12/2021	14:25:00	1	360	15m	0	360
RP15-21/22	Wintering	VP1, VP1	02/12/2021	09:40:00	1	2760	5m	0	2760
RP19-21/22	Wintering	VP4	02/12/2021	10:04:00	1	210	15m	0	210
RP21-21/22	Wintering	VP1, VP1	02/12/2021	10:41:00	1	180	0m	180	0
RP22-21/22	Wintering	VP1, VP1	02/12/2021	10:55:00	1	24	5m	20	4
RP23-21/22	Wintering	VP1, VP1	02/12/2021	11:01:00	1	65	5m	65	0
RP29-21/22	Wintering	VP1	02/12/2021	11:52:00	1	420	0m	0	420
RP31-21/22	Wintering	VP1	02/12/2021	12:20:00	1	900	5m	0	900
RP32-21/22	Wintering	VP4	02/12/2021	12:30:00	1	60	15m	0	60
RP33-21/22	Wintering	VP1	02/12/2021	12:35:00	1	120	0m	0	120
RP35-21/22	Wintering	VP1	02/12/2021	12:40:00	1	180	0m	180	0
RP36-21/22	Wintering	VP1	02/12/2021	12:40:00	1	1200	5m	0	1200



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP57-21/22	Wintering	VP5	06/12/2021	13:13:00	1	180	50m	0	180
RP68-21/22	Wintering	VP3	14/01/2022	09:08:00	1	300	5m	300	0
RP73-21/22	Wintering	VP4	14/01/2022	12:07:00	1	1680	5m	0	1680
RP74-21/22	Wintering	VP4	14/01/2022	12:27:00	1	3120	5m	0	3120
RP75-21/22	Wintering	VP4	14/01/2022	13:21:00	1	300	5m	0	300
RP76-21/22	Wintering	VP4	14/01/2022	13:47:00	1	54	5m	0	54
RP83-21/22	Wintering	VP2	17/01/2022	14:39:00	2	140	80m	0	140
RP85-21/22	Wintering	VP2	17/01/2022	14:43:00	1	15	10m	15	0
RP100-21/22	Wintering	VP3	10/02/2022	12:28:00	1	44	25m	0	44
RP101-21/22	Wintering	VP3	10/02/2022	12:30:00	2	1200	25m	0	1200
RP102-21/22	Wintering	VP3	10/02/2022	12:30:00	1	1200	25m	0	1200
RP103-21/22	Wintering	VP3	10/02/2022	12:30:00	1	1200	25m	0	1200
RP104-21/22	Wintering	VP3	10/02/2022	13:06:00	2	47	5m	0	47
RP105-21/22	Wintering	VP4	10/02/2022	13:19:00	1	300	25m	0	300
RP107-21/22	Wintering	VP4	10/02/2022	13:33:00	1	26	5m	0	26
RP110-21/22	Wintering	VP4	10/02/2022	13:48:00	2	480	25m	0	480
RP111-21/22	Wintering	VP3	10/02/2022	13:49:00	2	480	25m	0	480
RP114-21/22	Wintering	VP3	10/02/2022	14:16:00	1	13	5m	0	13
RP115-21/22	Wintering	VP4	10/02/2022	14:29:00	1	51	5m	0	51
RP116-21/22	Wintering	VP3	10/02/2022	14:30:00	1	195	25m	0	195
RP117-21/22	Wintering	VP3	10/02/2022	14:48:00	1	18	5m	18	0
RP87-21/22	Wintering	VP3	10/02/2022	10:12:00	1	840	25m	0	840
RP89-21/22	Wintering	VP3	10/02/2022	10:29:00	2	523	25m	43	480
RP90-21/22	Wintering	VP4	10/02/2022	10:34:00	1	26	25m	0	26
RP91-21/22	Wintering	VP3	10/02/2022	10:58:00	2	360	25m	0	360



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP92-21/22	Wintering	VP3	10/02/2022	11:09:00	2	420	25m	420	0
RP93-21/22	Wintering	VP4	10/02/2022	11:15:00	1	200	25m	20	180
RP94-21/22	Wintering	VP3	10/02/2022	11:24:00	2	300	25m	0	300
RP96-21/22	Wintering	VP3	10/02/2022	11:37:00	2	161	25m	0	161
RP97-21/22	Wintering	VP3	10/02/2022	12:12:00	1	138	25m	0	138
RP99-21/22	Wintering	VP3	10/02/2022	12:26:00	1	109	25m	0	109
RP118-21/22	Wintering	VP1	11/02/2022	09:06:00	1	540	0m	0	540
RP119-21/22	Wintering	VP1	11/02/2022	09:17:00	1	1020	0m	0	1020
RP121-21/22	Wintering	VP5	11/02/2022	09:39:00	2	50	50m	0	50
RP127-21/22	Wintering	VP1	11/02/2022	10:40:00	1	1200	5m	0	1200
RP130-21/22	Wintering	VP5	11/02/2022	11:02:00	1	40	30m	0	40
RP135-21/22	Wintering	VP1	11/02/2022	12:42:00	2	87	5m	69	18
RP136-21/22	Wintering	VP2	11/02/2022	12:42:00	1	55	5m	30	25
RP137-21/22	Wintering	VP1	11/02/2022	12:54:00	1	66	25m	27	39
RP140-21/22	Wintering	VP2	11/02/2022	13:31:00	1	15	5m	15	0
RP141-21/22	Wintering	VP2	11/02/2022	13:35:00	1	25	5m	0	25
RP142-21/22	Wintering	VP1	11/02/2022	14:12:00	1	64	25m	23	41
RP145-21/22	Wintering	VP2	11/02/2022	14:25:00	1	20	5m	20	0
RP146-21/22	Wintering	VP4	14/03/2022	09:20:00	1	6	20m	0	6
RP147-21/22	Wintering	VP5	14/03/2022	09:24:00	1	404	25m	306	98
RP148-21/22	Wintering	VP4	14/03/2022	09:25:00	1	5	20m	0	5
RP149-21/22	Wintering	VP3	14/03/2022	09:27:00	1	60	25m	0	60
RP150-21/22	Wintering	VP3	14/03/2022	09:44:00	1	25	5m	0	25
RP151-21/22	Wintering	VP4	14/03/2022	10:04:00	1	8	10m	0	8
RP154-21/22	Wintering	VP4	14/03/2022	11:00:00	1	4	10m	0	4



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP155-21/22	Wintering	VP2	14/03/2022	11:04:00	1	245	50m	245	0
RP156-21/22	Wintering	VP3	14/03/2022	11:05:00	1	120	25m	120	0
RP156-21/22	Wintering	VP5, VP3, VP2	14/03/2022	11:11:00	1	515	20m	320	195
RP158-21/22	Wintering	VP1	14/03/2022	11:17:00	1	55	30m	30	25
RP160-21/22	Wintering	VP4	14/03/2022	11:23:00	1	4	40m	0	4
RP161-21/22	Wintering	VP5	14/03/2022	11:38:00	1	146	25m	0	146
RP163-21/22	Wintering	VP2	14/03/2022	12:08:00	2	480	100m	0	480
RP164-21/22	Wintering	VP2	14/03/2022	12:08:00	1	600	100m	0	600
RP165-21/22	Wintering	VP2	14/03/2022	12:12:00	1	120	80m	0	120
RP167-21/22	Wintering	VP3	14/03/2022	12:12:00	1	120	25m	120	0
RP168-21/22	Wintering	VP5	14/03/2022	12:16:00	1	168	25m	0	168
RP169-21/22	Wintering	VP4	14/03/2022	12:17:00	1	7	30m	0	7
RP171-21/22	Wintering	VP3	14/03/2022	12:20:00	4	200	100m	0	200
RP172-21/22	Wintering	VP2	14/03/2022	12:24:00	1	32	25m	32	0
RP173-21/22	Wintering	VP2	14/03/2022	12:24:00	1	20	40m	20	0
RP174-21/22	Wintering	VP3	14/03/2022	12:25:00	1	20	25m	20	0
RP176-21/22	Wintering	VP5	14/03/2022	12:35:00	2	68	25m	0	68
RP177-21/22	Wintering	VP3	14/03/2022	12:55:00	1	30	5m	15	15
RP178-21/22	Wintering	VP5	14/03/2022	13:00:00	2	140	25m	0	140
RP179-21/22	Wintering	VP2	14/03/2022	13:02:00	1	272	100m	240	32
RP182-21/22	Wintering	VP3	14/03/2022	13:26:00	1	35	5m	0	35
RP183-21/22	Wintering	VP5	14/03/2022	13:28:00	2	245	25m	0	245
RP189-21/22	Wintering	VP2	14/03/2022	13:52:00	2	240	50m	0	240
RP191-21/22	Wintering	VP5	14/03/2022	13:55:00	2	290	25m	0	290



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP192-21/22	Wintering	VP1	14/03/2022	14:01:00	1	130	40m	0	130
RP193-21/22	Wintering	VP2	14/03/2022	14:03:00	1	95	30m	0	95
RP194-21/22	Wintering	VP2	14/03/2022	14:07:00	1	660	60m	0	660
RP195-21/22	Wintering	VP2	14/03/2022	14:12:00	1	150	150m	0	150
RP196-21/22	Wintering	VP2	14/03/2022	14:13:00	1	150	150m	0	150
RP198-21/22	Wintering	VP4	14/03/2022	14:14:00	2	12	80m	0	12
RP199-21/22	Wintering	VP1	14/03/2022	14:18:00	2	70	80m	0	70
RP200-21/22	Wintering	VP5	14/03/2022	14:27:00	1	24	25m	0	24
RP10-22/23	Wintering	VP2	28/11/2022	13:45:00	1	30	25m	23	7
RP5-22/23	Wintering	VP5	28/11/2022	11:48:00	1	98	15m	0	98
RP6-22/23	Wintering	VP2, VP1	28/11/2022	11:58:00	2	60	15m	40	20
RP7-22/23	Wintering	VP2	28/11/2022	12:45:00	1	10	25m	0	10
RP8-22/23	Wintering	VP1	28/11/2022	13:03:00	1	145	90m	145	0
RP13-22/23	Wintering	VPB, VPB	30/11/2022	09:37:00	1	96	10m	50	46
RP18-22/23	Wintering	VP3, VPA	30/11/2022	10:50:00	1	495	15m	45	450
RP19-22/23	Wintering	VPA	30/11/2022	10:57:00	1	48	20m	48	0
RP25-22/23	Wintering	VPA	30/11/2022	13:19:00	1	66	15m	0	66
RP32-22/23	Wintering	VP4, VP3	20/12/2022	09:41:00	3	360	62.5m	0	360
RP33-22/23	Wintering	VPB	20/12/2022	09:47:00	2	79	2.5m	79	0
RP34-22/23	Wintering	VPA	20/12/2022	09:49:00	1	24	30m	4	20
RP36-22/23	Wintering	VPB	20/12/2022	10:04:00	1	5	2.5m	5	0
RP37-22/23	Wintering	VP4	20/12/2022	10:32:00	1	49	62.5m	49	0
RP39-22/23	Wintering	VP3	20/12/2022	10:48:00	1	180	62.5m	0	180
RP43-22/23	Wintering	VP4	20/12/2022	10:58:00	1	43	15m	0	43



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP44-22/23	Wintering	VP3	20/12/2022	11:01:00	1	40	15m	27	13
RP47-22/23	Wintering	VP3	20/12/2022	12:00:00	1	70	62.5m	0	70
RP48-22/23	Wintering	VP3	20/12/2022	12:05:00	1	100	62.5m	0	100
RP51-22/23	Wintering	VP4	20/12/2022	14:32:00	1	83	15m	63	20
RP55-22/23	Wintering	VP2, VP1	21/12/2022	10:28:00	1	39	35m	0	39
RP62-22/23	Wintering	VP2	21/12/2022	13:38:00	1	26	30m	26	0
RP65-22/23	Wintering	VP5, VP2	21/12/2022	13:51:00	2	600	60m	0	600
RP161-22/23	Wintering	VP5	25/01/2023	14:26:00	1	220	40m		
RP155-22/23	Wintering	VPB	27/01/2023	10:01:00	1	25	5m	25	0
RP156-22/23	Wintering	VPB	27/01/2023	13:17:00	1	35	10m	35	0
RP100-22/23	Wintering	VP2	20/02/2023	14:37:00	1	238	15m	18	220
RP101-22/23	Wintering	VP1	20/02/2023	14:43:00	2	28	30m	5	23
RP70-22/23	Wintering	VP4	20/02/2023	09:58:00	1	25	5m	0	25
RP72-22/23	Wintering	VP2, VP1	20/02/2023	10:02:00	1	26	15m	0	26
RP73-22/23	Wintering	VP1	20/02/2023	10:03:00	1	5	20m	5	0
RP74-22/23	Wintering	VP3	20/02/2023	10:03:00	1	222	15m	0	222
RP75-22/23	Wintering	VP4	20/02/2023	10:04:00	1	200	5m	0	200
RP77-22/23	Wintering	VPA	20/02/2023	10:19:00	1	300	75m	225	75
RP79-22/23	Wintering	VP2, VP1	20/02/2023	12:10:00	1	203	15m	0	203
RP80-22/23	Wintering	VP1	20/02/2023	12:11:00	1	158	35m	0	158
RP81-22/23	Wintering	VP2, VP1	20/02/2023	12:17:00	1	72	15m	42	30
RP83-22/23	Wintering	VP1	20/02/2023	12:26:00	2	250	20	30	220
RP85-22/23	Wintering	VP4	20/02/2023	12:33:00	1	15	5m	3	12
RP87-22/23	Wintering	VP1	20/02/2023	12:43:00	1	10	40m	0	10
RP88-22/23	Wintering	VPA	20/02/2023	12:45:00	1	300	40m	0	300



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP89-22/23	Wintering	VP4	20/02/2023	12:45:00	1	60	25m	20	40
RP90-22/23	Wintering	VPA	20/02/2023	12:50:00	2	30	40m	0	30
RP92-22/23	Wintering	VP2	20/02/2023	13:27:00	1	204	15m	0	204
RP96-22/23	Wintering	VP2, VP1	20/02/2023	14:14:00	1	179	15m	179	0
RP97-22/23	Wintering	VP2, VP1	20/02/2023	14:17:00	1	30	5m	30	0
RP99-22/23	Wintering	VP4	20/02/2023	14:30:00	1	20	25m	12	8
RP103-22/23	Wintering	VPA	27/03/2023	09:00:00	1	32	2.5m	10	22
RP107-22/23	Wintering	VP1	27/03/2023	10:39:00	1	300	15m	300	0
RP108-22/23	Wintering	VP1	27/03/2023	10:39:00	1	300	15m	280	20
RP109-22/23	Wintering	VP1	27/03/2023	10:40:00	1	120	15m	110	10
RP111-22/23	Wintering	VP5	27/03/2023	10:52:00	1	64	45m	0	64
RP112-22/23	Wintering	VP2, VPB	27/03/2023	11:00:00	2	38	45m	28	10
RP113-22/23	Wintering	VP3	27/03/2023	11:15:00	2	160	115m	60	100
RP114-22/23	Wintering	VP4	27/03/2023	11:16:00	1	220	30m	50	170
RP115-22/23	Wintering	VP5	27/03/2023	11:16:00	1	279	175m	229	50
RP116-22/23	Wintering	VPA	27/03/2023	11:17:00	2	20	62.5m	0	20
RP117-22/23	Wintering	VP5	27/03/2023	11:19:00	1	99	125m	99	0
RP119-22/23	Wintering	VPA	27/03/2023	11:25:00	2	85	15m	43	42
RP120-22/23	Wintering	VP1	27/03/2023	11:25:00	2	91	62.5m	35	56
RP123-22/23	Wintering	VPA	27/03/2023	11:44:00	1	420	62.5m	420	0
RP124-22/23	Wintering	VP5	27/03/2023	11:45:00	3	393	125m	0	393
RP125-22/23	Wintering	VP5	27/03/2023	11:45:00	1	15	75m	0	15
RP127-22/23	Wintering	VPB	27/03/2023	11:55:00	2	180	100m	0	180
RP131-22/23	Wintering	VPB	27/03/2023	12:05:00	1	120	62.5m	0	120
RP133-22/23	Wintering	VPA	27/03/2023	12:07:00	2	275	62.5m	0	275



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP137-22/23	Wintering	VPA	27/03/2023	12:31:00	3	420	62.5m	0	420
RP143-22/23	Wintering	VP4	27/03/2023	13:02:00	1	35	40m	17	18
RP145-22/23	Wintering	VPA	27/03/2023	13:10:00	1	405	62.5m	40	365
RP146-22/23	Wintering	VPA	27/03/2023	13:15:00	2	195	62.5m	50	145
RP147-22/23	Wintering	VPA	27/03/2023	13:29:00	1	109	15m	30	79
RP149-22/23	Wintering	VP5	27/03/2023	13:47:00	2	114	100m	0	114
RP150-22/23	Wintering	VPA	27/03/2023	13:51:00	3	131	62.5m	0	131
RP151-22/23	Wintering	VP1	27/03/2023	14:05:00	1	72	15m	42	30
RP152-22/23	Wintering	VPB	27/03/2023	14:06:00	1	15	15m	0	15
RP1-23	Breeding	VPB	01/05/2023	09:53:00	1	86	15m	0	86
RP11-23	Breeding	VP4	01/05/2023	12:36:00	1	40	75m	40	0
RP13-23	Breeding	VPB	01/05/2023	12:31:00	1	125	62.5m	0	125
RP14-23	Breeding	VPB	01/05/2023	12:40:00	1	60	15m	60	0
RP15-23	Breeding	VPB	01/05/2023	12:55:00	1	58	15m	0	58
RP16-23	Breeding	VPB	01/05/2023	13:01:00	1	83	15m	60	23
RP17-23	Breeding	VPB	01/05/2023	13:13:00	2	138	62.5m	0	138
RP19-23	Breeding	VPB	01/05/2023	13:34:00	1	70	15m	0	70
RP2-23	Breeding	VPB	01/05/2023	10:08:00	1	28	15m	28	0
RP20-23	Breeding	VP4	01/05/2023	13:34:00	1	70	75m	21	49
RP21-23	Breeding	VPB	01/05/2023	13:40:00	2	33	15m	33	0
RP25-23	Breeding	VPB	01/05/2023	14:02:00	1	84	62.5m	0	84
RP26-23	Breeding	VPB	01/05/2023	14:08:00	1	190	62.5m	0	190
RP261-23	Breeding	VP5	01/05/2023	09:40:00	1	125	40m	0	125
RP262-23	Breeding	VP5	01/05/2023	10:08:00	1	350	62.5m	0	350
RP265-23	Breeding	VP5	01/05/2023	12:35:00	1	115	100m	0	115



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP267-23	Breeding	VP5	01/05/2023	14:19:00	1	100	75m	0	100
RP28-23	Breeding	VPB	01/05/2023	14:20:00	1	170	62.5m	20	150
RP29-23	Breeding	VP4	01/05/2023	14:26:00	1	130	65m	115	15
RP3-23	Breeding	VPB	01/05/2023	10:30:00	1	102	62.5m	0	102
RP30-23	Breeding	VPB	01/05/2023	14:55:00	1	155	62.5m	0	155
RP31-23	Breeding	VP4	01/05/2023	14:59:00	3	250	117.5m	250	0
RP5-23	Breeding	VPB	01/05/2023	10:46:00	2	132	62.5m	0	132
RP7-23	Breeding	VPB	01/05/2023	11:34:00	1	600	62.5m	400	200
RP8-23	Breeding	VPB	01/05/2023	11:50:00	1	70	5m	70	0
RP9-23	Breeding	VPB	01/05/2023	12:00:00	2	135	15m	90	45
RP35-23	Breeding	VPA	02/05/2023	09:48:00	1	76	15m	38	38
RP36-23	Breeding	VP1	02/05/2023	09:50:00	1	22	10m	14	8
RP37-23	Breeding	VP3	02/05/2023	10:10:00	1	166	62.5m	0	166
RP39-23	Breeding	VP3	02/05/2023	11:00:00	2	75	62.5m	0	75
RP43-23	Breeding	VPA	02/05/2023	11:31:00	1	21	15m	21	0
RP44-23	Breeding	VP3	02/05/2023	11:54:00	1	80	15m	72	8
RP49-23	Breeding	VP3	02/05/2023	12:39:00	1	193	62.5m	0	193
RP50-23	Breeding	VP1	02/05/2023	12:47:00	1	8	15m	0	8
RP51-23	Breeding	VP3	02/05/2023	12:54:00	1	185	15m	0	185
RP52-23	Breeding	VP3	02/05/2023	13:06:00	1	34	15m	0	34
RP56-23	Breeding	VP3	02/05/2023	13:48:00	1	58	15m	0	58
RP57-23	Breeding	VP3	02/05/2023	13:51:00	1	39	15m	0	39
RP59-23	Breeding	VP3	02/05/2023	14:11:00	1	40	62.5m	32	8
RP60-23	Breeding	VP3	02/05/2023	14:14:00	1	300	15m	250	50
RP65-23	Breeding	VP2	03/05/2023	14:31:00	1	10	25m	5	5



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
N/A	Breeding	VP1	30/05/2023	12:03:00	1	0	30m	-	-
RP66-23	Breeding	VP1	30/05/2023	11:47:00	1	175	20m	145	30
RP68-23	Breeding	VPA	30/05/2023	12:15:00	1	20	5m	2	18
RP69-23	Breeding	VPA	30/05/2023	12:31:00	1	56	15m	40	16
RP70-23	Breeding	VP2	30/05/2023	12:35:00	1	148	80m	0	148
RP71-23	Breeding	VP2	30/05/2023	12:50:00	1	254	35m	64	190
RP72-23	Breeding	VP2	30/05/2023	12:51:00	1	53	50m	0	53
RP74-23	Breeding	VPA	30/05/2023	13:01:00	1	196	62.5m	140	56
RP76-23	Breeding	VPA	30/05/2023	13:15:00	1	60	8m	50	10
RP77-23	Breeding	VPA	30/05/2023	13:17:00	1	20	15m	16	4
RP79-23	Breeding	VP2, VP1	30/05/2023	13:32:00	1	42	45m	40	2
RP80-23	Breeding	VP2	30/05/2023	13:42:00	2	162	50m	72	90
RP81-23	Breeding	VPA	30/05/2023	14:09:00	1	28	15m	28	0
RP82-23	Breeding	VPA	30/05/2023	14:18:00	1	76	15m	40	36
RP83-23	Breeding	VP2	30/05/2023	14:30:00	1	81	30m	76	5
RP84-23	Breeding	VP2	30/05/2023	14:43:00	1	120	35m	100	20
RP100-23	Breeding	VP2	23/06/2023	12:28:00	1	43	15m	0	43
RP106-23	Breeding	VP2	23/06/2023	13:39:00	1	21	5m	0	21
RP86-23	Breeding	VP2	23/06/2023	10:12:00	1	230	62.5m	0	230
RP88-23	Breeding	VP2	23/06/2023	10:31:00	1	31	15m	0	31
RP89-23	Breeding	VP1, VP2	23/06/2023	10:42:00	1	180	62.5m	90	90
RP90-23	Breeding	VP1	23/06/2023	10:46:00	1	1200	15m	0	1200
RP93-23	Breeding	VP1	23/06/2023	11:14:00	1	200	15m	120	80
RP95-23	Breeding	VP2	23/06/2023	11:25:00	1	84	15m	14	70
RP96-23	Breeding	VP2	23/06/2023	11:37:00	2	188	15m	0	188



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP97-23	Breeding	VP2	23/06/2023	11:42:00	1	184	62.5m	0	184
RP98-23	Breeding	VP2	23/06/2023	11:56:00	1	92	15m	0	92
RP114-23	Breeding	VP5	27/06/2023	09:03:00	1	15	80m	0	15
RP115-23	Breeding	VP4	27/06/2023	09:06:00	1	120	15m	0	120
RP117-23	Breeding	VPA, VP4, VP3	27/06/2023	09:20:00	1	276	65m	216	60
RP119-23	Breeding	VPA, VP4, VP3	27/06/2023	09:29:00	1	17	40m	15	2
RP120-23	Breeding	VP4	27/06/2023	09:38:00	1	10	15m	10	0
RP123-23	Breeding	VP4	27/06/2023	10:19:00	1	360	15m	0	360
RP124-23	Breeding	VP3, VPA	27/06/2023	10:23:00	1	179	15m	0	179
RP126-23	Breeding	VP4	27/06/2023	10:37:00	1	240	15m	40	200
RP128-23	Breeding	VPA	27/06/2023	11:37:00	1	56	70m	0	56
RP131-23	Breeding	VP3	27/06/2023	11:59:00	1	318	15m	0	318
RP132-23	Breeding	VPA	27/06/2023	12:00:00	1	179	50m	0	179
RP134-23	Breeding	VP3	27/06/2023	12:11:00	1	18	15m	18	0
RP136-23	Breeding	VP3	27/06/2023	12:34:00	1	8	2.5m	8	0
RP138-23	Breeding	VPA	27/06/2023	13:00:00	1	140	25m	0	140
RP139-23	Breeding	VP4	27/06/2023	13:01:00	1	60	15m	0	60
RP142-23	Breeding	VP3	27/06/2023	13:57:00	1	1	15m	0	1
RP143-23	Breeding	VPA, VP3	27/06/2023	14:02:00	1	71	25m	0	71
RP147-23	Breeding	VPA	27/06/2023	14:32:00	1	122	25m	122	0
RP148-23	Breeding	VP3	27/06/2023	14:39:00	1	149	15m	149	0
RP149-23	Breeding	VPA	27/06/2023	14:48:00	1	82	22.5m	0	82
N/A	Breeding	VP4	20/07/2023	11:53:00	1	0	45m	-	-



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
N/A	Breeding	VP4	20/07/2023	12:00:00	4	0	5m	-	-
RP151-23	Breeding	VP4	20/07/2023	09:25:00	1	2340	10m	0	2340
RP153-23	Breeding	VPA	20/07/2023	09:56:00	1	110	15m	110	0
RP154-23	Breeding	VP5	20/07/2023	10:00:00	1	110	15m	95	15
RP155-23	Breeding		20/07/2023	11:05:00	1	5	15m	0	5
RP156-23	Breeding	VP4	20/07/2023	11:05:00	1	14	20m	0	14
RP157-23	Breeding	VP5	20/07/2023	11:20:00	1	15	62.5m	0	15
RP159-23	Breeding	VPA	20/07/2023	11:36:00	1	1200	15m	1200	0
RP162-23	Breeding	VPA	20/07/2023	11:56:00	2	420	62.5m	0	420
RP165-23	Breeding	VPA	20/07/2023	13:10:00	1	60	15m	60	0
RP170-23	Breeding	VPA	20/07/2023	14:09:00	1	285	62.5m	285	0
RP173-23	Breeding	VPB	27/07/2023	09:08:00	1	2220	12.5m	0	2220
RP175-23	Breeding	VPB	27/07/2023	09:35:00	1	180	2.5m	0	180
RP176-23	Breeding	VP2, VP1	27/07/2023	10:08:00	1	183	40m	170	13
RP177-23	Breeding	VPB	27/07/2023	10:31:00	1	25	15m	0	25
RP181-23	Breeding	VP1, VP2	27/07/2023	11:08:00	1	48	15m	0	48
RP183-23	Breeding	VP1	27/07/2023	11:15:00	1	45	62.5m	40	5
RP184-23	Breeding	VP2	27/07/2023	11:18:00	1	139	45m	139	0
RP186-23	Breeding	VP2	27/07/2023	12:32:00	1	42	25	42	0
RP187-23	Breeding	VP1	27/07/2023	12:35:00	1	16	15m	10	6
RP193-23	Breeding	VP2	27/07/2023	13:24:00	1	63	40m	0	63
RP198-23	Breeding	VP2	27/07/2023	14:27:00	1	120	110m	20	100
N/A	Breeding	VP2	28/08/2023	11:19:00	1	0	-	-	-
N/A	Breeding	VP5	28/08/2023	12:12:00	1	0	2.5m	-	-
RP204-23	Breeding	VP4	28/08/2023	10:51:00	1	39	35m	0	39



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP205-23	Breeding	VPA	28/08/2023	10:56:00	1	47	35m	0	47
RP206-23	Breeding	VP5	28/08/2023	11:16:00	3	720	62.5m	0	720
RP207-23	Breeding	VPB	28/08/2023	11:18:00	1	448	80m	448	0
RP208-23	Breeding	VP3	28/08/2023	11:25:00	2	65	15m	0	65
RP210-23	Breeding	VP5	28/08/2023	12:01:00	1	85	62.5m	85	0
RP213-23	Breeding	VP5	28/08/2023	13:44:00	1	7	2.5m	0	7
RP215-23	Breeding	VP5	28/08/2023	13:59:00	2	540	62.5m	0	540
RP217-23	Breeding	VP4	28/08/2023	14:43:00	1	177	55m	0	177
RP218-23	Breeding	VP2	26/09/2023	08:29:00	1	3	15m	3	0
RP219-23	Breeding	VP2	26/09/2023	08:30:00	1	12	5m	12	0
RP233-23	Breeding	VP1, VP2	26/09/2023	11:16:00	1	270	35m	170	100
RP234-23	Breeding	VPA	26/09/2023	11:22:00	1	30	15m	30	0
RP235-23	Breeding	VP1, VP2	26/09/2023	11:25:00	1	122	110m	0	122
RP236-23	Breeding	VP2	26/09/2023	11:25:00	1	68	15m	0	68
RP238-23	Breeding	VPB	26/09/2023	11:26:00	2	270	62.5m	0	270
RP239-23	Breeding	VP5	26/09/2023	11:32:00	1	199	60m	0	199
RP241-23	Breeding	VP2	26/09/2023	11:51:00	1	46	15m	0	46
RP243-23	Breeding	VPA	26/09/2023	12:00:00	1	45	62.5m	45	0
RP244-23	Breeding	VP5	26/09/2023	12:06:00	2	122	30m	0	122
RP245-23	Breeding	VP2	26/09/2023	12:13:00	1	148	15m	120	28
RP247-23	Breeding	VP2	26/09/2023	12:17:00	1	114	62.5m	114	0
RP248-23	Breeding	VP5, VPA	26/09/2023	12:18:00	2	71	20m	0	71
RP249-23	Breeding	VP5	26/09/2023	12:18:00	1	71	20m	0	71
RP250-23	Breeding	VP1	26/09/2023	12:21:00	3	188	90m	188	0
RP251-23	Breeding	VPB	26/09/2023	12:23:00	1	84	62.5m	4	80



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP252-23	Breeding	VPB	26/09/2023	12:25:00	1	70	62.5m	0	70
RP253-23	Breeding	VP2	26/09/2023	12:26:00	1	334	62.5m	334	0
RP254-23	Breeding	VPA	26/09/2023	12:30:00	1	120	62.5m	0	120
RP255-23	Breeding	VPB	26/09/2023	12:32:00	1	134	62.5m	0	134
RP258-23	Breeding	VPB	26/09/2023	13:23:00	1	100	15m	0	100
RP259-23	Breeding	VPA	26/09/2023	13:45:00	1	25	15m	0	25
RP1-23/24	Wintering	VP1	24/10/2023	15:11:00	1	70	75m	5	65
RP11-23/24	Wintering	VP4	24/10/2023	10:13:00	1	420	15m	0	420
RP16-23/24	Wintering	VP4	24/10/2023	13:35:00	1	48	15m	40	8
RP17-23/24	Wintering	VP4	24/10/2023	13:43:00	1	88	62.5m	0	88
RP19-23/24	Wintering	VP4	24/10/2023	13:54:00	2	95	15m	50	45
RP2-23/24	Wintering	VP2	24/10/2023	13:46:00	1	60	2.5m	0	60
RP20-23/24	Wintering	VP4	24/10/2023	14:15:00	3	80	62.5m	40	40
RP26-23/24	Wintering	VPA	24/10/2023	08:35:00	1	60	10m	60	0
RP27-23/24	Wintering	VPA	24/10/2023	09:04:00	1	78	6.5m	75	3
RP3-23/24	Wintering	VP2	24/10/2023	14:22:00	1	60	62.5m	0	60
RP31-23/24	Wintering	VPA	24/10/2023	12:54:00	1	34	7.5m	28	6
RP32-23/24	Wintering	VPA	24/10/2023	13:56:00	1	58	7.5m	55	3
RP33-23/24	Wintering	VPA	24/10/2023	14:01:00	1	490	35m	30	460
RP34-23/24	Wintering	VPA	24/10/2023	14:01:00	1	284	40m	14	270
RP37-23/24	Wintering	VPB	24/10/2023	13:38:00	1	256	150m	110	146
RP4-23/24	Wintering	VP2	24/10/2023	14:23:00	2	180	62.5m	0	180
RP5-23/24	Wintering	VP2	24/10/2023	14:24:00	1	40	62.5m	335	5
RP9-23/24	Wintering	VP3	24/10/2023	14:03:00	2	150	80m	0	150
RP45-23/24	Wintering	VP1	27/11/2023	13:47:00	1	8	50m	0	8



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP46-23/24	Wintering	VP2	27/11/2023	11:09:00	1	41	62.5m	0	41
RP56-23/24	Wintering	VP2	27/11/2023	14:53:00	1	25	62.5m	25	0
RP57-23/24	Wintering	VP4	27/11/2023	10:49:00	1	76	15m	0	76
RP60-23/24	Wintering	VP4	27/11/2023	11:37:00	1	212	62.5m	0	212
RP67-23/24	Wintering	VP4	27/11/2023	13:20:00	1	44	15m	0	44
RP68-23/24	Wintering	VP4	27/11/2023	14:16:00	1	132	15m	0	132
RP71-23/24	Wintering	VPB	28/11/2023	11:46:00	1	42	3.5m	17	25
RP75-23/24	Wintering	VP2	20/12/2023	12:16:00	1	11	75m	11	0
RP79-23/24	Wintering	VP5	20/12/2023	11:18:00	1	98	30m	0	98
RP81-23/24	Wintering	VP5	20/12/2023	13:35:00	1	39	45m	0	39
RP82-23/24	Wintering	VP5	20/12/2023	13:07:00	2	178	75m	0	178
RP84-23/24	Wintering	VP5	20/12/2023	13:56:00	1	104	75m	0	104
RP85-23/24	Wintering	VPA	20/12/2023	08:30:00	1	32	2.5m	32	0
RP90-23/24	Wintering	VP4	11/01/2024	14:14:00	1	30	15m	0	30
RP100-23/24	Wintering	VP1	25/01/2024	14:17:00	2	480	15m	480	
RP101-23/24	Wintering	VP1	25/01/2024	14:26:00	1	240	15m	240	
RP105-23/24	Wintering	VP2	25/01/2024	13:00:00	1	120	62.5m	10	110
RP107-23/24	Wintering	VP2	25/01/2024	13:33:00	1	140	62.5m	0	140
RP112-23/24	Wintering	VP3	25/01/2024	10:26:00	1	22	62.5m	15	7
RP114-23/24	Wintering	VP3	25/01/2024	10:56:00	1	27	62.5m	0	27
RP116-23/24	Wintering	VP3	25/01/2024	11:08:00	1	32	62.5m	0	32
RP120-23/24	Wintering	VP3	25/01/2024	12:32:00	1	40	62.5m	40	0
RP121-23/24	Wintering	VP3	25/01/2024	13:12:00	1	280	62.5m	0	280
RP124-23/24	Wintering	VP3	25/01/2024	13:42:00	2	170	62.5m	0	170
RP125-23/24	Wintering	VP3	25/01/2024	13:58:00	3	480	62.5m	0	480



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP126-23/24	Wintering	VP3	25/01/2024	14:12:00	2	10	62.5m	5	5
RP128-23/24	Wintering	VP3	25/01/2024	14:38:00	1	56	62.5m	0	56
RP131-23/24	Wintering	VP4	25/01/2024	13:10:00	1	8	35m	8	0
RP91-23/24	Wintering	VP1	25/01/2024	10:23:00	1	176	62.5m	50	0
RP92-23/24	Wintering	VP1	25/01/2024	10:38:00	1	47	15m	0	47
RP93-23/24	Wintering	VP1	25/01/2024	10:55:00	2	300	62.5m	0	300
RP99-23/24	Wintering	VP1	25/01/2024	14:16:00	1	16	62.5m	8	8
RP138-23/24	Wintering	VP1	23/02/2024	12:06:00	1	840	15m	840	0
RP139-23/24	Wintering	VP1	23/02/2024	12:11:00	2	120	15m	120	0
RP141-23/24	Wintering	VP1	23/02/2024	12:53:00	1	1800	15m	1800	0
RP150-23/24	Wintering	VP2	23/02/2024	13:05:00	2	300	62.5m	120	180
RP152-23/24	Wintering	VP3, VP1	26/02/2024	09:14:00	1	345	80m	45	300
RP153-23/24	Wintering	VP3	26/02/2024	10:57:00	1	79	45m	9	70
RP154-23/24	Wintering	VP3, VPB	26/02/2024	11:07:00	2	256	90m		
RP155-23/24	Wintering	VP3	26/02/2024	12:40:00	1	107	20m	67	40
RP156-23/24	Wintering	VP3	26/02/2024	12:43:00	3	247	175m	247	0
RP158-23/24	Wintering	VP3	26/02/2024	13:21:00	1	367	85m	220	7
RP161-23/24	Wintering	VP4	26/02/2024	11:29:00	3	350	80m	90	260
RP163-23/24	Wintering	VP4	26/02/2024	13:28:00	1	390	75m	150	240
RP164-23/24	Wintering	VP5, VPA	26/02/2024	11:59:00	1	7	75m	0	7
RP165-23/24	Wintering	VP5	26/02/2024	12:10:00	1	10	35m	0	10
RP166-23/24	Wintering	VP5	26/02/2024	13:58:00	1	22	75m	0	22
RP167-23/24	Wintering	VPA	26/02/2024	10:53:00	1	82	15m	60	12
RP168-23/24	Wintering	VPA	26/02/2024	10:55:00	2	180	62.5m	0	180
RP170-23/24	Wintering	VPA	26/02/2024	11:09:00	3	480	62.5m	0	480



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP171-23/24	Wintering	VPA	26/02/2024	12:01:00	2	105	62.5m	0	105
RP173-23/24	Wintering	VPA	26/02/2024	12:35:00	1	265	62.5m	0	265
RP174-23/24	Wintering	VPA	26/02/2024	12:41:00	1	450	62.5m	50	400
RP176-23/24	Wintering	VPA	26/02/2024	13:04:00	3	96	15m	40	56
RP177-23/24	Wintering	VPA	26/02/2024	13:44:00	1	134	62.5m	134	0
RP178-23/24	Wintering	VPA	26/02/2024	14:43:00	1	54	62.5m	0	54
RP181-23/24	Wintering	VPB	26/02/2024	10:17:00	1	50	15m	50	0
RP182-23/24	Wintering	VPB	26/02/2024	11:15:00	1	120	62.5m	0	120
RP183-23/24	Wintering	VPB	26/02/2024	11:34:00	2	180	62.5m	0	180
RP185-23/24	Wintering	VPB	26/02/2024	12:13:00	1	50	15m	50	0
RP186-23/24	Wintering	VPB	26/02/2024	12:31:00	2	120	2.5m	60	60
RP187-23/24	Wintering	VPB	26/02/2024	12:47:00	1	180	62.5m	180	0
RP189-23/24	Wintering	VPB	26/02/2024	13:50:00	1	120	62.5m	20	100
RP190-23/24	Wintering	VPB	26/02/2024	14:30:00	3	60	62.5m	10	50
RP192-23/24	Wintering	VP1	21/03/2024	10:09:00	2	54	62.5m	54	0
RP193-23/24	Wintering	VP1	21/03/2024	10:10:00	1	840	15m	840	0
RP194-23/24	Wintering	VP1	21/03/2024	10:24:00	1	110	15m	110	0
RP195-23/24	Wintering	VP1	21/03/2024	10:26:00	1	120	15m	120	0
RP196-23/24	Wintering	VP1	21/03/2024	10:40:00	1	69	15m	9	60
RP197-23/24	Wintering	VP1	21/03/2024	10:45:00	1	203	15m	0	203
RP198-23/24	Wintering	VP1	21/03/2024	11:05:00	1	25	15m	0	25
RP199-23/24	Wintering	VP1	21/03/2024	12:22:00	1	128	15m	0	128
RP200-23/24	Wintering	VP1	21/03/2024	13:12:00	2	188	15m	0	188
RP201-23/24	Wintering	VP2, VP1	21/03/2024	09:52:00	2	7	22.5m	7	0
RP203-23/24	Wintering	VP1	21/03/2024	10:57:00	1	7	45m	0	7



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP205-23/24	Wintering	VP3	21/03/2024	09:35:00	1	33	62.5m	0	33
RP206-23/24	Wintering	VP3	21/03/2024	10:35:00	1	160	62.5m	160	0
RP207-23/24	Wintering	VP3	21/03/2024	10:43:00	1	60	62.5m	0	60
RP208-23/24	Wintering	VP3	21/03/2024	10:45:00	1	22	62.5m	18	4
RP209-23/24	Wintering	VP3	21/03/2024	11:43:00	1	134	62.5m	0	134
RP212-23/24	Wintering	VP3	21/03/2024	12:08:00	1	94	62.5m	0	94
RP213-23/24	Wintering	VP3	21/03/2024	13:20:00	1	46	62.5m	0	46
RP214-23/24	Wintering	VP3	21/03/2024	13:47:00	2	110	62.5m	0	110
RP215-23/24	Wintering	VP3	21/03/2024	14:34:00	3	162	62.5m	0	162
RP216-23/24	Wintering	VP3	21/03/2024	14:45:00	3	47	62.5m	0	47
RP217-23/24	Wintering	VP3	21/03/2024	14:48:00	1	32	62.5m	0	32
RP218-23/24	Wintering	VP4	27/03/2024	09:51:00	1	25	35m	25	0
RP219-23/24	Wintering	VP4	27/03/2024	10:03:00	2	21	75m	0	21
RP220-23/24	Wintering	VP4	27/03/2024	10:10:00	1	27	75m	27	0
RP221-23/24	Wintering	VP4	27/03/2024	10:53:00	2	65	140m	65	0
RP223-23/24	Wintering	VP5	27/03/2024	10:01:00	1	40	140m	0	40
RP224-23/24	Wintering	VP5	27/03/2024	11:30:00	1	22	20m	0	22
RP225-23/24	Wintering	VP5	27/03/2024	12:28:00	2	480	150m	360	120
RP226-23/24	Wintering	VP5	27/03/2024	12:28:00	2	120	30m	0	120
RP227-23/24	Wintering	VP5	27/03/2024	12:35:00	1	40	20m	0	40
RP230-23/24	Wintering	VP5	27/03/2024	14:41:00	1	21	42.5m	0	21
RP232-23/24	Wintering	VP5	27/03/2024	14:45:00	1	10	20m	0	10
RP233-23/24	Wintering	VPA	27/03/2024	09:44:00	2	100	62.5m	0	100
RP235-23/24	Wintering	VPA	27/03/2024	10:56:00	1	120	62.5m	0	120



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP236-23/24	Wintering	VPA, VPB	27/03/2024	12:22:00	1	40	62.5m	40	0
RP237-23/24	Wintering	VPA	27/03/2024	13:02:00	1	60	62.5m	0	60
RP239-23/24	Wintering	VPB	27/03/2024	09:03:00	1	104	62.5m	0	104
RP240-23/24	Wintering	VPB	27/03/2024	09:26:00	1	310	62.5m	0	310
RP241-23/24	Wintering	VPB	27/03/2024	09:47:00	3	210	62.5m	0	210
RP243-23/24	Wintering	VPB	27/03/2024	10:03:00	1	105	62.5m	0	105
RP246-23/24	Wintering	VPB	27/03/2024	10:44:00	1	48	15m	44	4
RP247-23/24	Wintering	VPB	27/03/2024	10:55:00	1	65	62.5m	0	65
RP248-23/24	Wintering	VPB	27/03/2024	10:57:00	1	35	62.5m	0	35
RP250-23/24	Wintering	VPB	27/03/2024	11:30:00	2	72	62.5m	0	72
RP251-23/24	Wintering	VPB	27/03/2024	11:38:00	1	36	62.5m	0	36
RP252-23/24	Wintering	VPB	27/03/2024	11:46:00	1	42	15m	42	0
RP253-23/24	Wintering	VPB	27/03/2024	12:01:00	1	40	62.5m	10	30
RP254-23/24	Wintering	VPB	27/03/2024	12:28:00	1	98	15m	98	0
RP256-23/24	Wintering	VPB	27/03/2024	13:23:00	2	44	62.5m	0	44
RP257-23/24	Wintering	VPB	27/03/2024	13:48:00	2	43	62.5m	0	43
RP258-23/24	Wintering	VPB	27/03/2024	14:24:00	1	110	62.5m	55	55
RP2-24	Breeding	VPA	28/05/2024	10:53:00	1	8	12.5m	0	8
RP3-24	Breeding	VPB	28/05/2024	11:10:00	1	50	35m	0	50
RP4-24	Breeding	VPB	28/05/2024	13:05:00	1	60	40m	0	60
RP10-24	Breeding	VP4	29/05/2024	12:59:00	1	120	25m	60	60
RP11-24	Breeding	VP4	29/05/2024	13:23:00	2	0	62.5m	Unknown	Unkown
RP12-24	Breeding	VP4	29/05/2024	13:35:00	1	600	62.5m	0	600
RP13-24	Breeding	VP4	29/05/2024	14:08:00	1	300	87.5m	100	200



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP6-24	Breeding	VP4	29/05/2024	11:18:00	1	360	20m	0	360
RP7-24	Breeding	VP4	29/05/2024	11:39:00	3	420	25m	0	420
RP8-24	Breeding	VP4	29/05/2024	11:41:00	3	360	35m	180	180
RP9-24	Breeding	VP4	29/05/2024	12:20:00	1	120	25m	20	100
RP15-24	Breeding	VP2	31/05/2024	09:14:00	1	780	15m	780	0
RP16-24	Breeding	VP5	31/05/2024	09:26:00	1	35	35m	35	0
RP17-24	Breeding	VP3	31/05/2024	09:27:00	1	15	30m	15	0
RP18-24	Breeding	VP2	31/05/2024	09:34:00	1	80	62.5m	0	80
RP21-24	Breeding	VP1	31/05/2024	10:11:00	1	60	25m	0	60
RP23-24	Breeding	VP2	31/05/2024	10:39:00	2	100	62.5m	0	100
RP25-24	Breeding	VP3	31/05/2024	10:53:00	1	26	55m	22	4
RP26-24	Breeding	VP3	31/05/2024	11:02:00	1	255	75m	255	0
RP27-24	Breeding	VP2	31/05/2024	11:03:00	1	34	62.5m	0	34
RP28-24	Breeding	VP2	31/05/2024	11:05:00	2	112	62.5m	112	0
RP29-24	Breeding	VP2	31/05/2024	11:10:00	1	152	62.5m	0	152
RP31-24	Breeding	VP2	31/05/2024	11:29:00	1	26	62.5m	26	0
RP32-24	Breeding	VP3	31/05/2024	11:30:00	1	50	200m	40	10
RP35-24	Breeding	VP3	31/05/2024	12:17:00	1	22	25m	22	0
RP36-24	Breeding	VP3	31/05/2024	12:38:00	1	45	32.5m	45	0
RP37-24	Breeding	VP3	31/05/2024	12:43:00	1	55	30m	55	0
RP38-24	Breeding	VP1	31/05/2024	12:51:00	1	1800	60m	0	1800
RP39-24	Breeding	VP5	31/05/2024	12:57:00	1	20	40m	0	20
RP41-24	Breeding	VP3	31/05/2024	13:27:00	1	28	27.5m	28	0
RP44-24	Breeding	VP5	31/05/2024	14:36:00	1	30	32.5m	0	30
RP45-24	Breeding	VP2	31/05/2024	14:40:00	1	88	62.5m	88	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP46-24	Breeding	VP3	31/05/2024	14:41:00	1	65	17.5m	65	0
RP47-24	Breeding	VP2, VP1	31/05/2024	14:48:00	1	600	50m	0	600
RP48-24	Breeding	VP3	31/05/2024	15:03:00	1	75	40m	40	35
RP100-24	Breeding	VP3	24/06/2024	14:44:00	1	40	62.5m	0	40
RP101-24	Breeding	VP3	24/06/2024	14:56:00	1	86	62.5m	0	86
RP51-24	Breeding	VP3	24/06/2024	09:15:00	1	82	62.5m	0	82
RP52-24	Breeding	VPB	24/06/2024	09:18:00	1	7	20m	4	3
RP53-24	Breeding	VP3	24/06/2024	09:35:00	1	35	62.5m	35	0
RP55-24	Breeding	VPB	24/06/2024	09:41:00	1	12	25m	0	12
RP57-24	Breeding	VP3	24/06/2024	09:45:00	1	58	62.5m	58	0
RP59-24	Breeding	VP3	24/06/2024	10:00:00	1	20	62.5m	20	0
RP61-24	Breeding	VP3	24/06/2024	11:03:00	1	53	62.5m	33	20
RP64-24	Breeding	VP3	24/06/2024	11:30:00	1	40	62.5m	0	40
RP66-24	Breeding	VP2	24/06/2024	11:48:00	1	58	42.5m	58	0
RP67-24	Breeding	VP1	24/06/2024	11:49:00	1	150	40m	30	120
RP68-24	Breeding	VPB	24/06/2024	11:51:00	1	210	30m	0	210
RP69-24	Breeding	VP3	24/06/2024	11:52:00	1	50	62.5m	0	50
RP71-24	Breeding	VP3	24/06/2024	12:07:00	1	70	62.5m	0	70
RP72-24	Breeding	VP3	24/06/2024	12:10:00	1	50	62.5m	50	0
RP73-24	Breeding	VP3	24/06/2024	12:10:00	1	50	62.5m	50	0
RP75-24	Breeding	VP2	24/06/2024	12:14:00	1	95	50m	95	0
RP76-24	Breeding	VP3	24/06/2024	12:14:00	1	50	62.5m	0	50
RP77-24	Breeding	VP2	24/06/2024	12:15:00	1	25	27.5m	10	15
RP81-24	Breeding	VP3	24/06/2024	12:32:00	1	65	62.5m	0	65
RP85-24	Breeding	VP1	24/06/2024	12:46:00	1	60	50m	30	30



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP87-24	Breeding	VP2	24/06/2024	13:06:00	1	22	30m	22	0
RP88-24	Breeding	VP1	24/06/2024	13:13:00	1	70	22.5m	70	0
RP89-24	Breeding	VP3	24/06/2024	13:24:00	1	84	62.5m	84	0
RP90-24	Breeding	VP3	24/06/2024	13:37:00	1	64	62.5m	64	0
RP91-24	Breeding	VP3	24/06/2024	14:01:00	2	34	62.5m	0	34
RP92-24	Breeding	VP3	24/06/2024	14:03:00	1	162	62.5m	0	162
RP94-24	Breeding	VP3	24/06/2024	14:21:00	1	44	62.5m	0	44
RP97-24	Breeding	VPB	24/06/2024	14:31:00	1	240	15m	0	240
RP98-24	Breeding	VP3, VPB	24/06/2024	14:32:00	3	150	75m	30	120
RP99-24	Breeding	VP3	24/06/2024	14:35:00	1	240	62.5m	240	0
RP103-24	Breeding	VP4	26/06/2024	11:48:00	1	300	30m	0	300
RP104-24	Breeding	VP4	26/06/2024	11:52:00	1	120	30m	0	120
RP108-24	Breeding	VP4	26/06/2024	14:47:00	1	180	25m	0	180
RP111-24	Breeding	VPA	27/06/2024	09:46:00	1	30	62.5m	0	30
RP113-24	Breeding	VPA	27/06/2024	13:59:00	1	30	15m	0	30
RP114-24	Breeding	VPA	27/06/2024	14:10:00	1	25	15m	0	25
RP122-24	Breeding	VP1, VP2	24/07/2024	11:59:00	1	63	12.5m	63	0
RP123-24	Breeding	VP2	24/07/2024	12:08:00	1	20	15m	20	0
RP126-24	Breeding	VP4	24/07/2024	13:17:00	1	130	15m	0	130
RP128-24	Breeding	VP4	24/07/2024	13:24:00	1	480	15m	0	480
RP129-24	Breeding	VP4	24/07/2024	13:36:00	1	200	2.5m	0	200
N/A	Breeding	VPB	29/07/2024	14:26:00	1	-	62.5m	-	-
RP132-24	Breeding	VPB	29/07/2024	09:20:00	1	40	15m	40	0
RP137-24	Breeding	VPB	29/07/2024	13:27:00	1	30	62.5m	20	10
RP138-24	Breeding	VPB	29/07/2024	13:50:00	1	60	62.5m	30	30



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP139-24	Breeding	VPA	29/07/2024	13:58:00	1	19	40m	12	7
RP141-24	Breeding	VPB	29/07/2024	14:05:00	1	70	100m	40	30
RP143-24	Breeding	VPA	29/07/2024	14:58:00	2	140	70m	120	20
RP147-24	Breeding	VP4	23/08/2024	12:00:00	1	9	25m	9	0
RP152-24	Breeding	VP4	23/08/2024	12:45:00	1	1260	7m	0	1260
RP153-24	Breeding	VP4	23/08/2024	13:06:00	1	223	27.5m	13	210
RP154-24	Breeding	VPA	23/08/2024	13:17:00	1	180	62.5m	0	180
RP157-24	Breeding	VP4	23/08/2024	15:02:00	1	180	62.5m	90	90
RP159-24	Breeding	VPB	28/08/2024	11:01:00	1	360	2.5m	360	0
RP165-24	Breeding	VPB	28/08/2024	12:49:00	1	60	2.5m	60	0
RP166-24	Breeding	VP2	28/08/2024	12:49:00	1	245	22.5m	105	140
RP174-24	Breeding	VP3	28/08/2024	13:24:00	1	140	40m	140	0
RP177-24	Breeding	VP1	28/08/2024	13:52:00	1	60	15m	0	60
RP184-24	Breeding	VP2	28/08/2024	14:18:00	1	115	75m	50	65
N/A	Breeding	VP1	23/09/2024	10:49:00	1	-	Unknown	-	-
N/A	Breeding	VP1	23/09/2024	11:29:00	1	-	Unknown	-	-
RP186-24	Breeding	VP2	23/09/2024	11:29:00	2	35	25m	35	0
RP189-24	Breeding	VP2, VP1	23/09/2024	13:33:00	2	750	85m	390	360
RP190-24	Breeding	VP1	23/09/2024	13:36:00	1	540	30m	10	530
RP192-24	Breeding	VP2	23/09/2024	13:40:00	1	330	45m	120	210
RP193-24	Breeding	VP1	23/09/2024	13:56:00	1	60	15m	10	50
N/A	Breeding	VP4	24/09/2024	12:35:00	1	-	62.5m	-	-
RP202-24	Breeding	VP5	24/09/2024	09:29:00	1	5	2.5m	5	0
RP203-24	Breeding	VP3	24/09/2024	09:45:00	1	50	40m	35	15
RP204-24	Breeding	VP4	24/09/2024	10:15:00	1	20	15m	0	20



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP206-24	Breeding	VP3	24/09/2024	10:57:00	1	65	80m	20	45
RP208-24	Breeding	VP5	24/09/2024	11:22:00	1	21	50m	0	21
RP216-24	Breeding	VP4	24/09/2024	13:30:00	2	140	62.5m	60	80
RP217-24	Breeding	VP5	24/09/2024	13:31:00	1	66	62.5m	33	33
RP221-24	Breeding	VP5	24/09/2024	14:18:00	2	264	62.5m	0	264
RP222-24	Breeding	VPA	27/09/2024	11:04:00	1	60	40m	40	20
RP224-24	Breeding	VPA	27/09/2024	11:56:00	1	40	50m	40	0

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00006	Winter	VP1	28/10/2025	11:30:00	1	36	0	0	0	0	36
F00008	Winter	VP1	28/10/2025	12:58:00	1	0	0	0	125	0	125
F00009	Winter	VP1	28/10/2025	13:27:00	1	15	0	0	0	0	15
F00015	Winter	VP1	28/10/2025	14:41:00	1	22	50	0	0	0	72
F00018	Winter	VP1	28/10/2025	15:02:00	1	13	20	20	0	0	53
F00024	Winter	VP2	30/10/2025	08:18:00	1	37	0	0	0	0	37
F00037	Winter	VP3	29/10/2025	12:37:00	1	15	15	0	0	0	30
F00038	Winter	VP3	29/10/2025	13:13:00	1	20	5	0	0	0	25
F00039	Winter	VP3	29/10/2025	13:17:00	1	0	0	60	240	30	330



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00041	Winter	VP3	29/10/2025	14:58:00	1	18	0	0	0	0	18
F00048	Winter	VP5	17/10/2025	09:13:00	1	0	20	0	0	0	20
F00071	Winter	VP5	19/11/2025	11:51:00	1	64	0	0	0	0	64
F00092	Winter	VP1	27/11/2025	12:32:00	1	0	0	0	0	33	33
F00097	Winter	VP1	27/11/2025	12:45:00	1	0	22	0	0	0	22
F00106	Winter	VP2	25/11/2025	11:17:00	1	0	0	34	0	0	34
F00135	Winter	VP3	28/11/2025	09:18:00	1	0	52	0	0	0	52
F00136	Winter	VP3	28/11/2025	09:45:00	2	5	6	80	0	0	91
F00141	Winter	VP3	28/11/2025	11:19:00	1	0	51	0	0	0	51
F00142	Winter	VP3	28/11/2025	11:25:00	1	0	45	0	0	0	45
F00164	Winter	VP5	08/12/2025	11:08:00	1	0	0	60	51	0	111
F00190	Winter	VP1	02/12/2025	11:51:00	1	0	8	0	0	0	8
F00213	Winter	VP1	02/12/2025	14:24:00	1	0	0	12	0	0	12
F00219	Winter	VP1	02/12/2025	15:18:00	1	12	0	0	0	0	12
F00220	Winter	VP1	02/12/2025	15:21:00	1	7	0	0	0	0	7
F00279	Winter	VP3	04/12/2025	12:24:00	1	0	11	0	0	0	11
F00280	Winter	VP3	04/12/2025	12:31:00	1	0	0	0	109	70	179
F00297	Winter	VP4	12/01/2026	13:29:00	1	5	15	120	0	0	140
F00298	Winter	VP4	12/01/2026	14:48:00	1	3	20	60	0	0	83
F00319	Winter	VP1	27/01/2026	11:26:00	1	0	17	0	0	0	17
F00338	Winter	VP2	21/01/2026	14:03:00	1	0	13	0	0	0	13
F00339	Winter	VP2	21/01/2026	14:07:00	1	0	39	0	0	0	39



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00361	Winter	VP3	23/01/2026	14:25:00	1	17	40	0	0	0	57
F00369	Winter	VP5	09/02/2026	11:11:00	2	0	25	33	0	0	58
F00370	Winter	VP5	09/02/2026	11:13:00	1	0	20	75	0	0	95
F00394	Winter	VP4	11/02/2026	12:08:00	1	0	38	60	0	0	98
F00411	Winter	VP2	12/02/2026	11:16:00	1	21	0	0	0	0	21
F00419	Winter	VP3	13/02/2026	10:01:00	2	0	9	28	0	0	37
F00421	Winter	VP3	13/02/2026	11:34:00	1	0	17	0	0	0	17
F00422	Winter	VP3	13/02/2026	12:02:00	3	0	16	71	0	0	87
F00442	Winter	VP5	24/02/2026	09:44:00	1	5	33	0	0	0	38
F00447	Winter	VP5	24/02/2026	12:10:00	1	5	5	30	60	0	100
F00457	Winter	VP1	24/02/2026	14:11:00	1	0	0	34	29	0	63
F00461	Winter	VP1	24/02/2026	14:56:00	1	0	28	0	0	0	28
F00463	Winter	VP1	24/02/2026	15:14:00	1	0	0	47	0	0	47
F00472	Winter	VP2	25/02/2026	13:07:00	2	0	93	69	0	0	162
F00490	Winter	VP3	26/02/2026	12:55:00	1	0	22	0	0	0	22
F00494	Winter	VP3	26/02/2026	14:17:00	1	0	9	12	0	0	21
F00496	Winter	VP3	26/02/2026	14:43:00	1	34	0	0	0	0	34
F00497	Winter	VP3	26/02/2026	14:46:00	1	0	58	0	0	0	58
F00499	Winter	VP3	26/02/2026	15:08:00	1	0	48	0	0	0	48
F00526	Winter	VP2	17/02/2026	09:41:00	1	0	29	0	0	0	29



Ecology Ireland Transect Survey																								
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)	
2020	-	1	1	-	-	1	-	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
2022/2023	1	1		1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1		2	1	1	1
2020/2021	-	-	2	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
2023	-	-	1	-	-	-	2	-	1	-	1	1	-	1	-	-	-	-	1	-	-	-	2	-
2023/2024	-	1	1	1	1	1	-	1	-	-	1	1	-	-	-	-	-	-	-	-	1	-	1	-
2024	1	-	1	-	-	-	1	-	-	1		2	-	1	-	1	-	-	-	1	1	-	2	-

TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00085	Winter	Transect	T3	13/10/2025	15:00:00	1	GA1	in flight
P00088	Winter	Transect	T3	13/10/2025	15:37:00	1	WL2	in flight
P00195	Winter	Transect	T3	20/11/2025	11:02:00	1	N/A	N/A
P00254	Winter	Transect	T2,5,6	24/11/2025	11:48:00	1	GA1	in flight
P00269	Winter	Transect	T2,5,6	24/11/2025	14:01:00	1	GA1	in flight
P00270	Winter	Transect	T2,5,6	24/11/2025	14:11:00	1	PB1	in flight
P00371	Winter	VP	VP1	02/12/2025	N/A	N/A	N/A	N/A
P00416	Winter	VP	VP3	04/12/2025	09:18:00	1	N/A	N/A
P00427	Winter	Transect	T2, T5, T6	05/12/2025	10:19:00	2	GA1	in flight
P00509	Winter	Transect	T1	13/01/2026	11:15:00	1	PB4	in flight
P00534	Winter	Transect	T4	13/01/2026	13:55:00	1	WD4	in flight
P00545	Winter	Transect	T2, T5, T6	22/01/2026	12:32:00	2	GA1	in flight
P00612	Winter	Transect	T1, T3, T4	10/02/2026	09:15:00	2	WD2	N/A
P00661	Winter	Transect	T1, T3, T4	11/02/2026	14:33:00	1	WN7	N/A
P00720	Winter	Transect	T3	09/03/2026	12:00:00	2	WD1	N/A

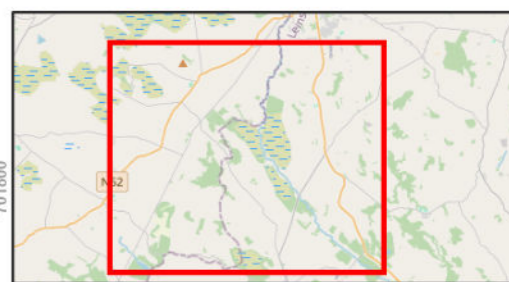
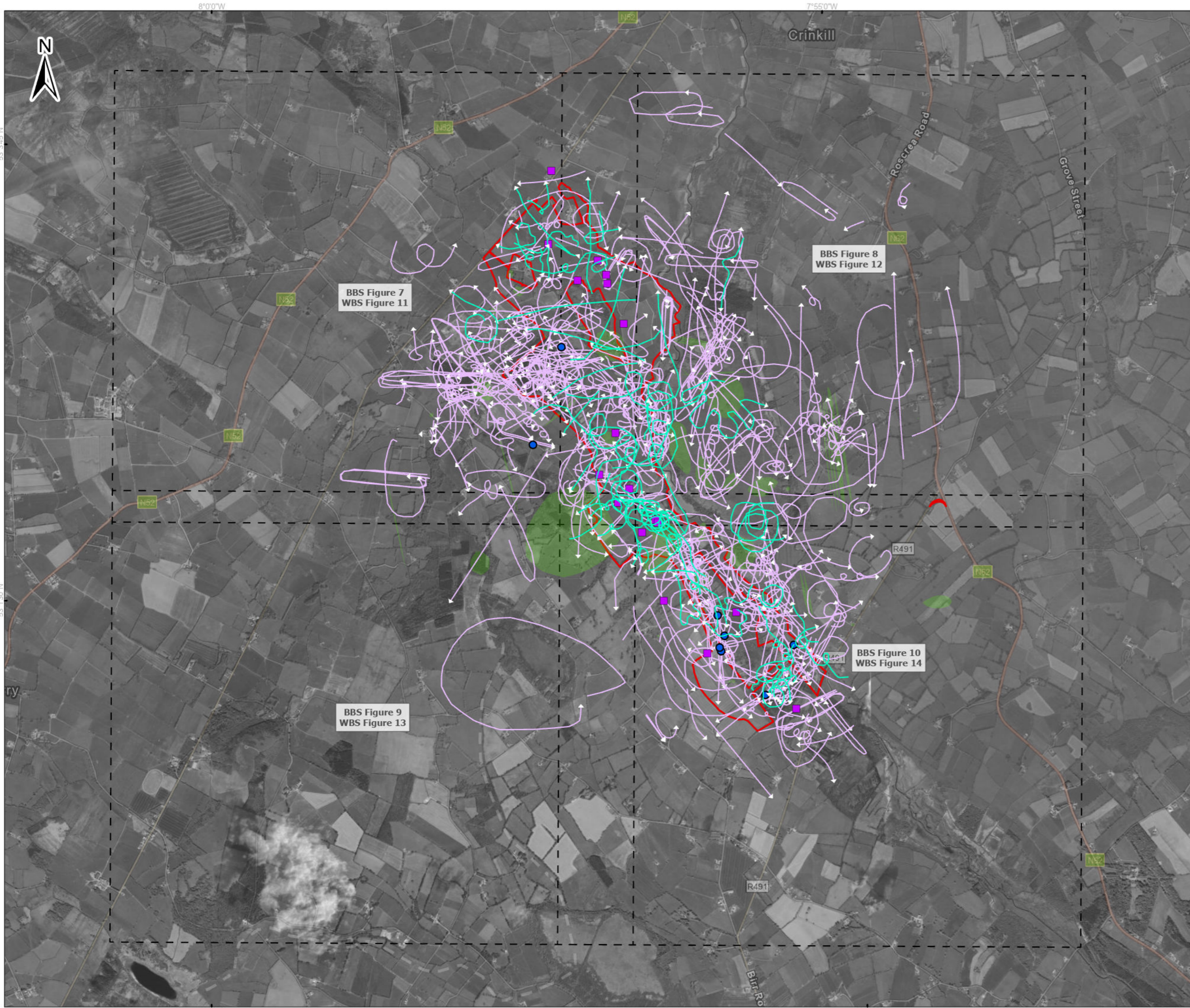


TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00724	Winter	Transect	T4	09/03/2026	13:10:00	1	GA1	N/A
P00788	Winter	Transect	T6	13/03/2026	14:24:00	1	GA1	Flying
P00794	Winter	Transect	T6	13/03/2026	14:55:00	2	GA1	Flying
P00085	Winter	Transect	T3	13/10/2025	15:00:00	1	GA1	in flight
P00088	Winter	Transect	T3	13/10/2025	15:37:00	1	WL2	in flight
P00195	Winter	Transect	T3	20/11/2025	11:02:00	1	N/A	N/A
P00254	Winter	Transect	T2,5,6	24/11/2025	11:48:00	1	GA1	in flight
P00269	Winter	Transect	T2,5,6	24/11/2025	14:01:00	1	GA1	in flight
P00270	Winter	Transect	T2,5,6	24/11/2025	14:11:00	1	PB1	in flight
P00371	Winter	VP	VP1	02/12/2025	N/A	N/A	N/A	N/A
P00416	Winter	VP	VP3	04/12/2025	09:18:00	1	N/A	N/A
P00427	Winter	Transect	T2, T5, T6	05/12/2025	10:19:00	2	GA1	in flight
P00509	Winter	Transect	T1	13/01/2026	11:15:00	1	PB4	in flight
P00534	Winter	Transect	T4	13/01/2026	13:55:00	1	WD4	in flight
P00545	Winter	Transect	T2, T5, T6	22/01/2026	12:32:00	2	GA1	in flight
P00612	Winter	Transect	T1, T3, T4	10/02/2026	09:15:00	2	WD2	N/A
P00661	Winter	Transect	T1, T3, T4	11/02/2026	14:33:00	1	WN7	N/A
P00720	Winter	Transect	T3	09/03/2026	12:00:00	2	WD1	N/A
P00724	Winter	Transect	T4	09/03/2026	13:10:00	1	GA1	N/A
P00788	Winter	Transect	T6	13/03/2026	14:24:00	1	GA1	Flying
P00794	Winter	Transect	T6	13/03/2026	14:55:00	2	GA1	Flying



TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Clonfree 1 (callow)	16/01/2026	N/A	2	N/A	N/A
Winter	I-WeBS	Clonfree 2	26/11/2025	N/A	1	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	16/01/2026	N/A	2	N/A	N/A





- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland (2020-2024)
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - TOBIN 2025/26
 - Buzzard
 - Flightlines - Ecology Ireland 2020 - 2024
 - Buzzard

Spatial Reference		Copyrights:	
Datum: IREN95		Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community.	
EPSG: 2157			
A	02/04/2026	First issue	K.K J.S
Rev	Date	Description	By Chkd.

0		500		1,000	
Meters					

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 6:
Buzzard observations
over the survey period
(May 2020 – March 2026)**

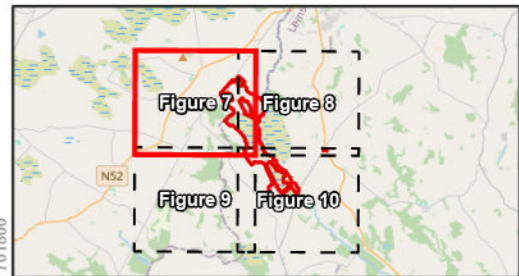
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Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

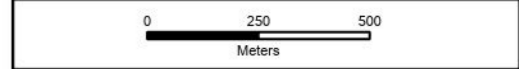
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Tel: +353-(0)1-8030406
Email: info@tobin.ie
www.tobin.ie

Map Ref: 11333-003.ApX-VP-BZ-SUM-A_overview Draft: **A**



- Legend**
- ▬ Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - Ecology Ireland 2020 - 2024
 - Buzzard



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	07/04/2026	First issue	K.K	J.S

Client:



Project:
Ballincor Wind Farm

Title:
**Appendix 7-I, Figure 7:
 Buzzard observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 1 of 4 -**

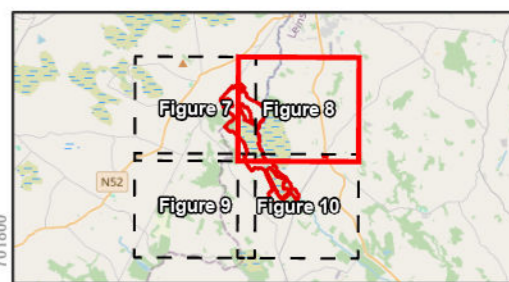
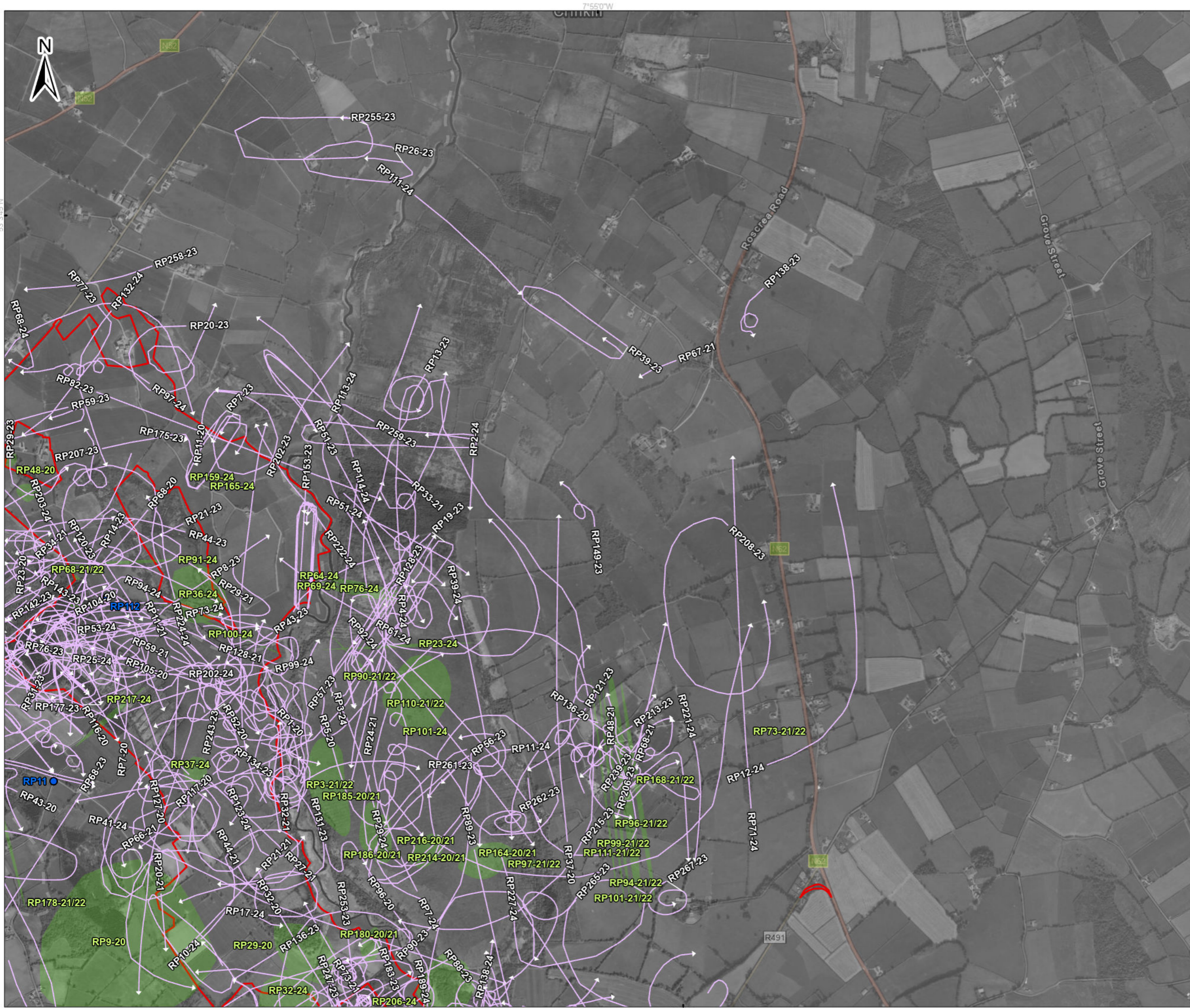
Scale @ A3: 1:17,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026



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- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - Ecology Ireland 2020 - 2024
 - Buzzard



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Rev	Date	Description	By	Chkd.

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 8:
Buzzard observations
over the survey period
(May 2020 – March 2026)
- Sheet 2 of 4 -**

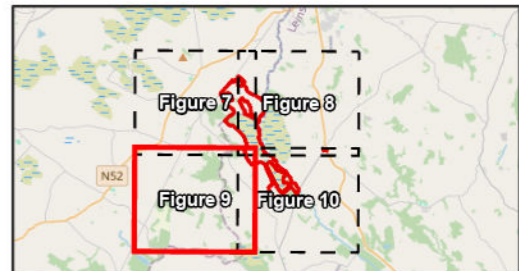
Scale @ A3: 1:17,000

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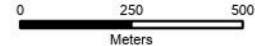
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- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - Ecology Ireland 2020 - 2024
 - Buzzard



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Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 9:
 Buzzard observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 3 of 4 -**

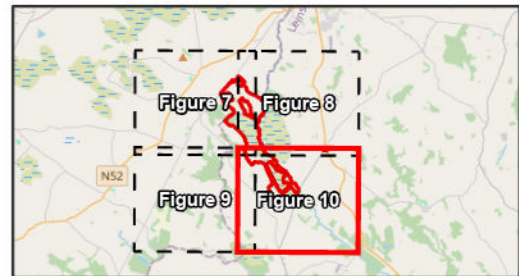
Scale @ A3: 1:17,000

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- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - Ecology Ireland 2020 - 2024
 - Buzzard



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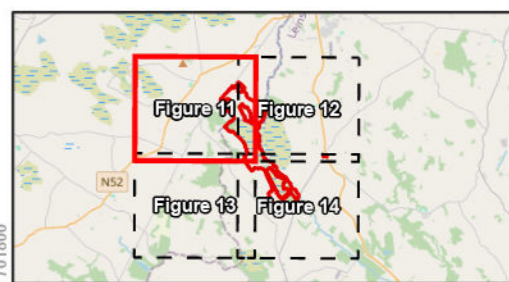
Title: **Appendix 7-I, Figure 10:
Buzzard observations
over the survey period
(May 2020 – March 2026)
- Sheet 4 of 4 -**

Scale @ A3: 1:17,000
Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

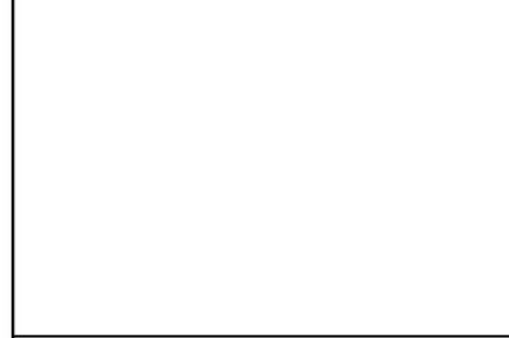
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- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - TOBIN 2025/26
 - Buzzard
 - Flightlines - Ecology Ireland 2020 - 2024
 - Buzzard



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Title: **Appendix 7-I, Figure 11:
 Buzzard observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 1 of 4 -**

Scale @ A3: 1:17,000

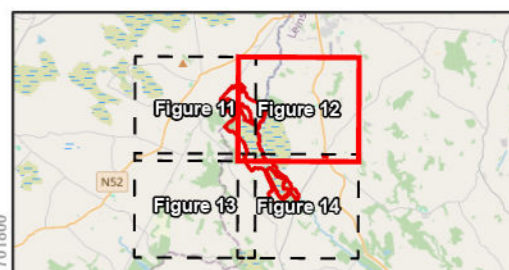
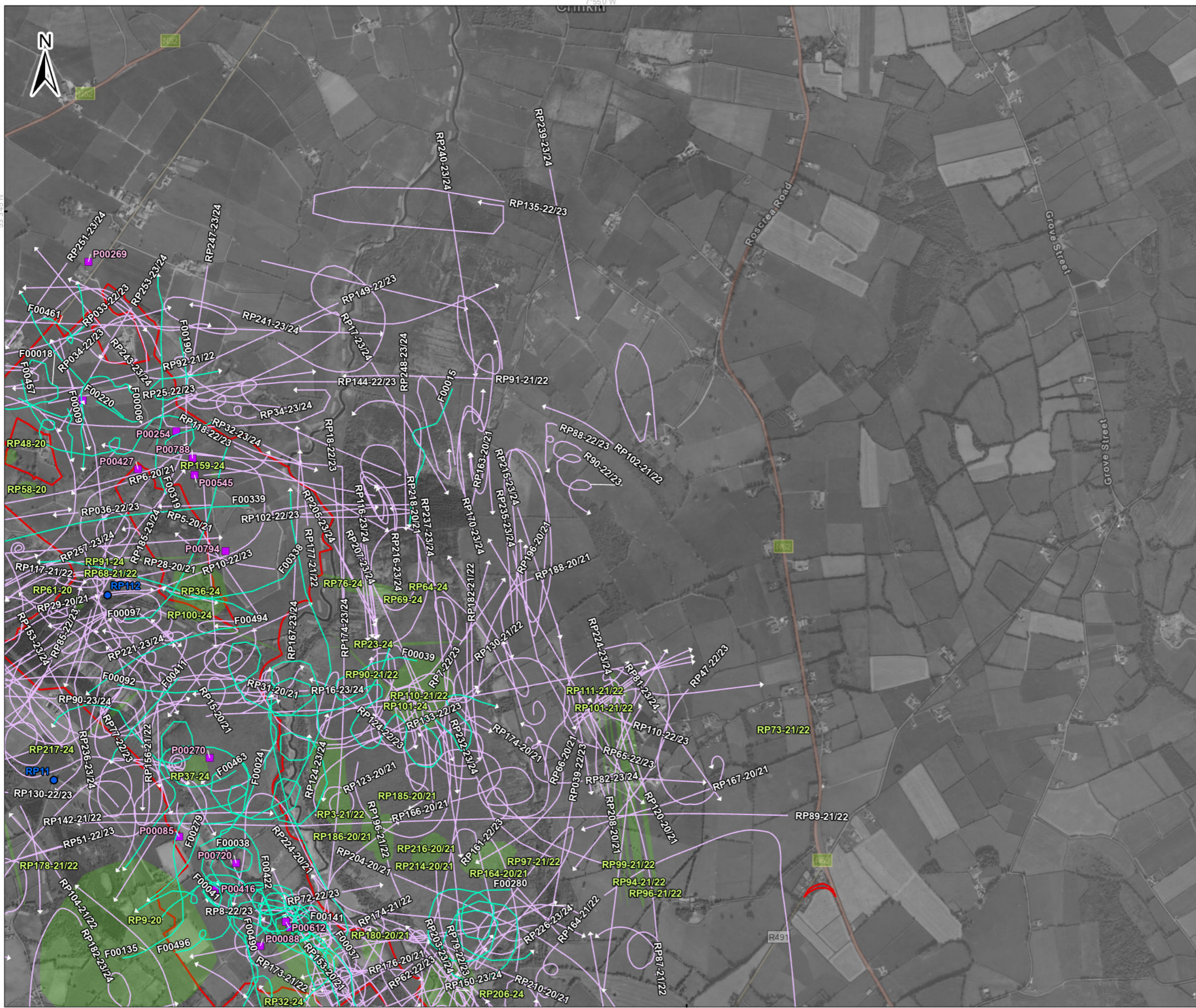
Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - TOBIN 2025/26
 - Buzzard
 - Flightlines - Ecology Ireland 2020 - 2024
 - Buzzard



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Title: **Appendix 7-I, Figure 12:
Buzzard observations
over the survey period
(May 2020 – March 2026)
- Sheet 2 of 4 -**

Scale @ A3: 1:17,000

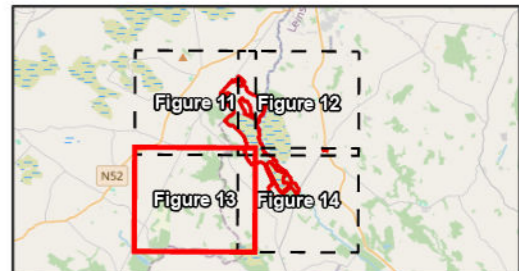
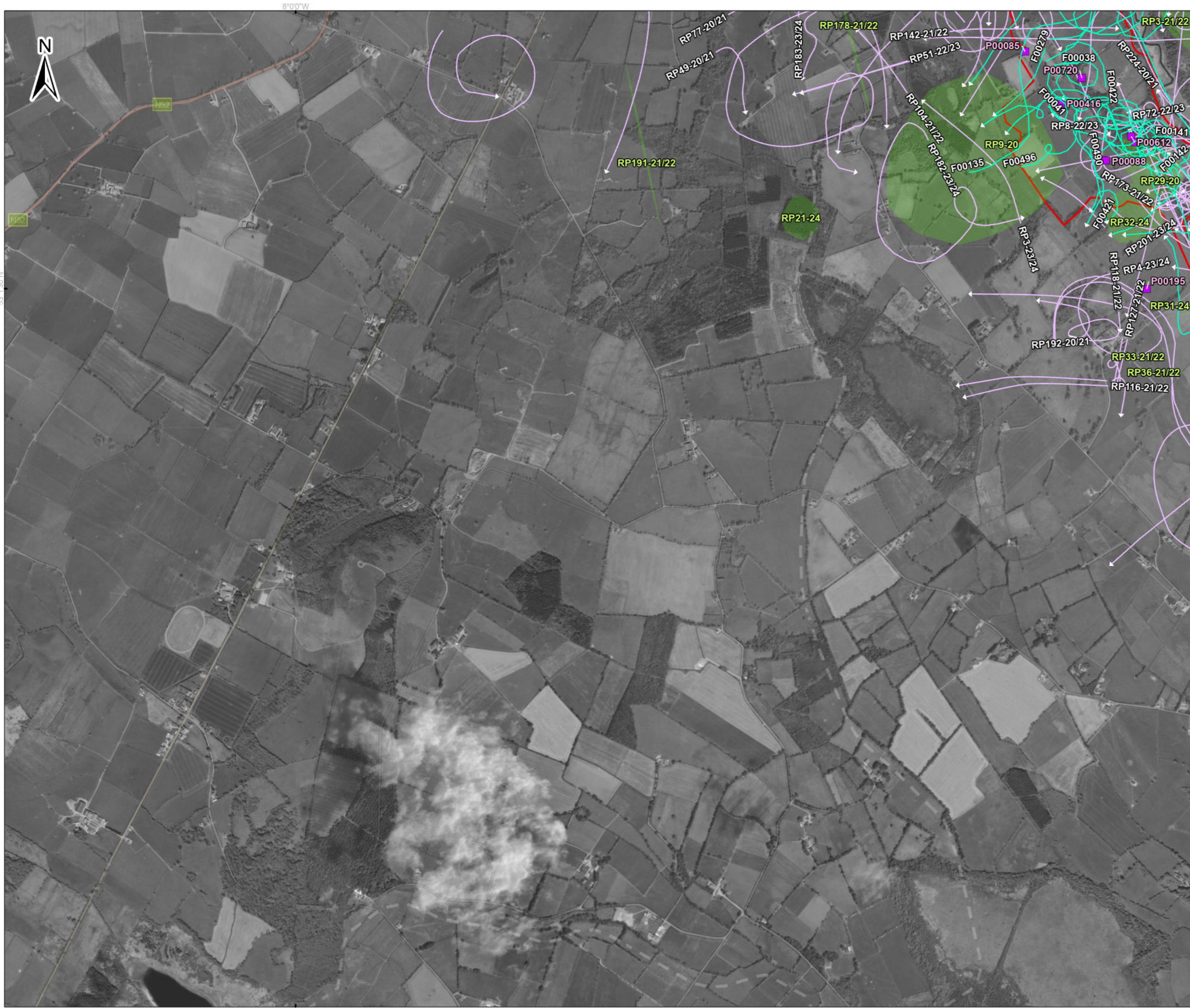
Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - TOBIN 2025/26
 - Buzzard
 - Flightlines - Ecology Ireland 2020 - 2024
 - Buzzard

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Title:				
Appendix 7-I, Figure 13: Buzzard observations over the survey period (May 2020 – March 2026) - Sheet 3 of 4 -				
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K.Kale		J.Sherry		April 2026



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 Ballincor Wind Farm

Title:
 Appendix 7-I, Figure 13:
 Buzzard observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 3 of 4 -

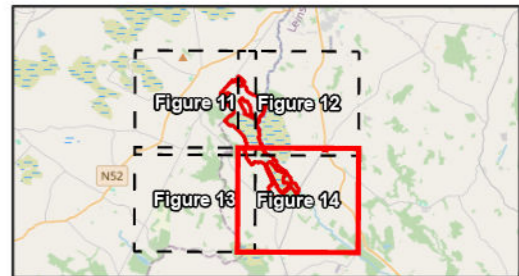
Scale @ A3: 1:17,000

Prepared by: K.Kale
 Checked by: J.Sherry
 Date: April 2026

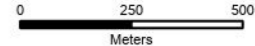


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- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - TOBIN 2025/26
 - Buzzard
 - Flightlines - Ecology Ireland 2020 - 2024
 - Buzzard



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Title: **Appendix 7-I, Figure 14:
 Buzzard observations
 over the survey period
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Appendix 7-1 - V CORMORANT



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT2-20	Breeding	VP1	28/04/2020	10:33:00	1	30	15m	30	0
WT3-20	Breeding	VP3	28/04/2020	11:44:00	1	30	85m	30	0
WT7-20	Breeding	VP1	28/04/2020	14:07:00	1	35	15m	35	0
N/A	Breeding	VP2	14/05/2020	11:06:00	1	50	27.5m	50	0
WT10-20	Breeding	VP3	14/05/2020	09:14:00	1	130	35m	130	0
WT11-20	Breeding	VP3	14/05/2020	09:14:00	1	57	35m	57	0
WT17-20	Breeding	VP1	14/05/2020	10:00:00	1	10	15m	0	10
WT18-20	Breeding	VP2	14/05/2020	10:09:00	1	15	25m	0	15
WT20-20	Breeding	VP2	14/05/2020	10:32:00	1	10	25m	5	5
WT21-20	Breeding	VP3	14/05/2020	10:33:00	1	101	85m	101	0
WT23-20	Breeding	VP3	14/05/2020	10:44:00	1	84	25m	84	0
WT24-20	Breeding	VP3	14/05/2020	10:44:00	1	84	50m	84	0
WT25-20	Breeding	VP1	14/05/2020	10:47:00	2	20	15m	10	10
WT26-20	Breeding	VP2	14/05/2020	10:47:00	2	40	17.5m	40	0
WT27-20	Breeding	VP1	14/05/2020	10:59:00	1	10	15m	10	0
WT28-20	Breeding	VP3, VP2	14/05/2020	10:59:00	1	69	22.5m	69	0
WT29-20	Breeding	VP1	14/05/2020	11:09:00	1	20	15m	20	0
WT31-20	Breeding	VP3, VP2	14/05/2020	11:28:00	2	72	22.5m	0	72
WT32-20	Breeding	VP1	14/05/2020	11:32:00	2	20	15m	20	0
WT34-20	Breeding	VP3, VP4	14/05/2020	12:38:00	1	178	65m	148	30
WT35-20	Breeding	VP3	14/05/2020	13:09:00	1	224	45m	160	64
WT36-20	Breeding	VP2	14/05/2020	13:11:00	1	40	30m	40	0
WT39-20	Breeding	VP3	14/05/2020	13:29:00	1	46	70m	0	46



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT40-20	Breeding	VP1	14/05/2020	14:01:00	1	10	67.5m	10	0
WT9-20	Breeding	VP2	14/05/2020	08:47:00	1	60	10m	60	0
WT44-20	Breeding	VP1	04/06/2020	08:58:00	1	20	15m	20	0
WT45-20	Breeding	VP3	04/06/2020	09:22:00	1	20	10m	20	0
WT46-20	Breeding	VP3	04/06/2020	09:30:00	1	35	12.5m	15	20
WT47-20	Breeding	VP2	04/06/2020	09:36:00	2	11	50m	0	11
WT48-20	Breeding	VP1	04/06/2020	09:39:00	2	45	15m	45	0
WT49-20	Breeding	VP4	04/06/2020	09:43:00	1	60	40m	0	60
WT52-20	Breeding	VP3	04/06/2020	11:03:00	1	40	20m	40	0
WT54-20	Breeding	VP4	04/06/2020	11:29:00	1	190	97.5m	190	0
WT55-20	Breeding	VP4	04/06/2020	11:52:00	1	240	125m	120	120
WT59-20	Breeding	VP3	04/06/2020	12:09:00	1	50	15m	50	0
WT62-20	Breeding	VP5	04/06/2020	12:20:00	1	20	15m	10	10
WT63-20	Breeding	VP4	04/06/2020	12:27:00	1	120	62.5m	0	120
WT64-20	Breeding	VP5	04/06/2020	12:30:00	1	40	15m	30	10
WT66-20	Breeding	VP4	04/06/2020	13:10:00	1	25	25m	25	0
WT68-20	Breeding	VP4	04/06/2020	13:48:00	1	50	62.5m	25	25
WT69-20	Breeding	VP2	04/06/2020	13:50:00	1	47	35m	47	0
WT70-20	Breeding	VP5	04/06/2020	13:52:00	2	10	15m	5	5
WT71-20	Breeding	VP2	04/06/2020	13:53:00	2	11	55m	11	0
WT74-20	Breeding	VP2	04/06/2020	14:28:00	1	33	60m	33	0
WT75-20	Breeding	VP3	04/06/2020	14:28:00	1	40	15m	40	0
WT76-20	Breeding	VP2	04/06/2020	14:46:00	2	36	50m	36	0
WT78-20	Breeding	VP2	10/07/2020	09:03:00	1	155	100m	120	35
WT85-20	Breeding	VP2, VP1	10/07/2020	10:56:00	1	75	35m	0	75



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT86-20	Breeding	VP3	10/07/2020	10:59:00	1	5	20m	0	5
WT87-20	Breeding	VP5	10/07/2020	11:21:00	1	32	20m	0	32
WT92-20	Breeding	VP1	10/07/2020	12:12:00	3	27	37.5m	12	15
WT98-20	Breeding	VP2, VP1	10/07/2020	14:33:00	3	85	40m	40	45
WT102-20	Breeding	VP5	14/08/2020	13:58:00	1	0	-	-	-
WT99-20	Breeding	VP3	14/08/2020	12:36:00	1	5	15m	5	0
WT14-20/21	Wintering	VP, 2	08/10/2020	09:43:00	1	10	25m	0	10
WT15-20/21	Wintering	VP, 1	08/10/2020	09:44:00	1	10	5m	10	0
WT16-20/21	Wintering	VP, 5	08/10/2020	09:45:00	5	17100	20m	0	17100
WT2-20/21	Wintering	VP, 3	08/10/2020	09:05:00	1	10	7m	10	0
WT20-20/21	Wintering	VP, 3	08/10/2020	10:05:00	1	90	40m	45	45
WT22-20/21	Wintering	VP, 3	08/10/2020	10:35:00	1	105	25m	105	0
WT23-20/21	Wintering	VP, 4	08/10/2020	10:38:00	1	20	15m	20	0
WT24-20/21	Wintering	VP, 3	08/10/2020	10:54:00	1	80	15m	40	40
WT26-20/21	Wintering	VP, 2	08/10/2020	11:35:00	1	25	45m	15	10
WT27-20/21	Wintering	VP, 1	08/10/2020	11:36:00	1	10	20m	10	0
WT28-20/21	Wintering	VP, 3	08/10/2020	13:17:00	1	35	20m	0	35
WT29-20/21	Wintering	VP, 3	08/10/2020	13:47:00	1	35	12.5m	0	35
WT7-20/21	Wintering	VP, 1	08/10/2020	09:15:00	1	30	3m	10	20
WT9-20/21	Wintering	VP, 3	08/10/2020	09:20:00	5	0	0m	Unknown	0
N/A	Wintering	VP, 1	05/11/2020	09:41:00	1	15	15m	0	15
N/A	Wintering	VP, 1	05/11/2020	09:51:00	1	15	20m	0	15
N/A	Wintering	VP, 1	05/11/2020	09:54:00	1	10	20m	0	10
N/A	Wintering	VP, 1	05/11/2020	10:59:00	1	27	30m	0	27
N/A	Wintering	VP, 1	05/11/2020	11:19:00	1	10	Unknown	10	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
N/A	Wintering	VP, 1	05/11/2020	12:45:00	1	15	10m	15	0
N/A	Wintering	VP, 1	05/11/2020	14:02:00	1	15	30m	15	0
N/A	Wintering	VP, 1	05/11/2020	14:05:00	1	40	Unknown	40	0
N/A	Wintering	VP, 1	05/11/2020	15:00:00	1	28	15m	0	28
WT32-20/21	Wintering	VP, 5	05/11/2020	09:16:00	1	110	42.5m	110	0
WT33-20/21	Wintering	VP, 3	05/11/2020	09:38:00	1	38	12.5m	0	38
WT34-20/21	Wintering	VP, 3	05/11/2020	09:42:00	1	100	17.5m	0	100
WT36-20/21	Wintering	VP, 5	05/11/2020	09:48:00	6	0	Unknown	Unknown	0
WT37-20/21	Wintering	VP, 3	05/11/2020	10:39:00	1	24	25m	0	24
WT39-20/21	Wintering	VP, 5	05/11/2020	11:16:00	1	15	15m	15	0
WT40-20/21	Wintering	VP, 5, VP, 3	05/11/2020	11:20:00	1	41	17.5m	20	21
WT44-20/21	Wintering	VP, 1	05/11/2020	12:04:00	1	50	35m	40	10
WT45-20/21	Wintering	VP, 5	05/11/2020	12:04:00	1	10	27.5m	10	0
WT46-20/21	Wintering	VP, 2	05/11/2020	12:05:00	1	20	15m	20	0
WT48-20/21	Wintering	VP, 1	05/11/2020	12:21:00	1	50	40m	50	0
WT49-20/21	Wintering	VP, 5	05/11/2020	12:22:00	1	10	12.5m	10	0
WT50-20/21	Wintering	VP, 3	05/11/2020	12:35:00	1	50	35m	50	0
WT51-20/21	Wintering	VP, 1	05/11/2020	12:37:00	4	27	35m	27	0
WT52-20/21	Wintering	VP, 2	05/11/2020	12:37:00	4	20	15m	20	0
WT53-20/21	Wintering	VP, 3	05/11/2020	12:43:00	1	34	15m	0	34
WT54-20/21	Wintering	VP, 2	05/11/2020	12:44:00	1	15	15m	0	15
WT55-20/21	Wintering	VP, 3	05/11/2020	13:06:00	1	29	20m	15	14
WT57-20/21a	Wintering	VP, 2	05/11/2020	13:52:00	1	15	15m	0	15
WT59-20/21	Wintering	VP, 2	05/11/2020	14:06:00	1	15	15m	0	15



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT60-20/21	Wintering	VP, 5	05/11/2020	14:06:00	1	55	80m	55	0
WT61-20/21	Wintering	VP, 3	05/11/2020	14:09:00	1	34	12.5m	0	34
WT62-20/21	Wintering	VP, 1	05/11/2020	14:38:00	1	34	22.5m	34	0
WT63-20/21	Wintering	VP, 5	05/11/2020	14:40:00	1	40	30m	40	0
WT64-20/21	Wintering	VP, 1	05/11/2020	14:43:00	1	20	15m	0	20
WT65-20/21	Wintering	VP, 3	05/11/2020	14:50:00	1	58	12.5m	18	40
WT68-20/21	Wintering	VP, 3	05/11/2020	15:20:00	1	27	20m	0	27
WT70-20/21	Wintering	VP, 1, VP, 2	04/12/2020	11:00:00	1	39	35m	0	39
WT71-20/21	Wintering	VP, 1, VP, 2	04/12/2020	11:13:00	1	87	55m	0	87
WT72-20/21	Wintering	VP, 1	04/12/2020	11:17:00	1	21	25m	0	21
WT73-20/21	Wintering	VP, 3	04/12/2020	11:17:00	1	30	150m	30	0
WT74-20/21	Wintering	VP, 2	04/12/2020	11:18:00	1	25	30m	25	0
WT75-20/21	Wintering	VP, 2	04/12/2020	11:30:00	1	15	25m	0	15
WT76-20/21	Wintering	VP, 1, VP, 2	04/12/2020	11:43:00	1	85	30m	50	35
WT77-20/21	Wintering	VP, 5	04/12/2020	11:44:00	1	60	15m	60	0
WT79-20/21	Wintering	VP, 2	04/12/2020	12:38:00	1	4	25m	4	0
WT80-20/21	Wintering	VP, 2, VP, 1	04/12/2020	12:42:00	1	114	40m	114	0
WT81-20/21	Wintering	VP, 5	04/12/2020	12:46:00	2	600	Unknown	600	0
WT82-20/21	Wintering	VP, 1	04/12/2020	13:15:00	1	15	25m	0	15
WT83-20/21	Wintering	VP, 2, VP, 1	04/12/2020	13:34:00	1	65	30m	0	65



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT84-20/21	Wintering	VP, 2, VP, 1	04/12/2020	13:34:00	1	29	30m	0	29
WT85-20/21	Wintering	VP, 1	04/12/2020	13:45:00	1	35	25m	0	35
WT86-20/21	Wintering	VP, 2	04/12/2020	13:45:00	1	20	30m	20	0
WT87-20/21	Wintering	VP, 1	04/12/2020	13:50:00	1	33	25m	0	33
WT89-20/21	Wintering	VP, 3	04/12/2020	14:25:00	1	17	100m	7	10
WT90-20/21	Wintering	VP, 1	04/12/2020	14:27:00	2	40	30m	0	40
WT91-20/21	Wintering	VP, 2	04/12/2020	14:30:00	1	17	30m	0	17
WT92-20/21	Wintering	VP, 1	04/12/2020	14:49:00	1	35	20m	0	35
WT93-20/21	Wintering	VP, 3	04/12/2020	15:23:00	2	0	Unknown	Unknown	Unknown
WT100-20/21	Wintering	VP, 2	14/01/2021	12:52:00	1	200	35m	60	140
WT104-20/21	Wintering	VP, 2	14/01/2021	14:26:00	1	55	25m	0	55
WT105-20/21	Wintering	VP, 2	14/01/2021	14:32:00	1	69	25m	30	39
WT106-20/21	Wintering	VP, 2	14/01/2021	15:26:00	1	35	15m	0	35
WT148-20/21	Wintering	VP3	14/01/2021	10:10:00	1	25	12.5m	10	15
WT149-20/21	Wintering	VP3	14/01/2021	10:24:00	1	30	12.5m	0	30
WT151-20/21	Wintering	VP3	14/01/2021	13:03:00	1	40	15m	40	0
WT154-20/21	Wintering	VP3	14/01/2021	15:27:00	1	35	35m	35	0
WT95-20/21	Wintering	VP, 2	14/01/2021	10:47:00	5	79	27.5m	0	79
WT96-20/21	Wintering	VP, 2	14/01/2021	11:21:00	1	30	27.5m	0	30
WT97-20/21	Wintering	VP, 2	14/01/2021	11:23:00	1	206	27.5m	206	0
WT98-20/21	Wintering	VP, 2	14/01/2021	11:30:00	1	114	22.5m	114	0
WT99-20/21	Wintering	VP, 2	14/01/2021	12:52:00	1	90	25m	0	90
WT107-20/21	Wintering	VP, 1	21/01/2021	09:30:00	1	10	10m	10	0
WT111-20/21	Wintering	VP, 1	21/01/2021	11:51:00	1	20	15m	20	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT112-20/21	Wintering	VP, 1	21/01/2021	12:56:00	1	30	10m	0	30
WT113-20/21	Wintering	VP, 1	21/01/2021	14:31:00	1	40	10m	0	40
WT114-20/21	Wintering	VP, 1	21/01/2021	14:54:00	1	50	10m	50	0
N/A	Wintering	VP1	09/02/2021	10:25:00	1	20	15m	-	-
WT115-20/21	Wintering	VP, 2	09/02/2021	09:15:00	1	45	80m	40	5
WT118-20/21	Wintering	VP, 2	09/02/2021	10:17:00	1	30	30m	25	5
WT123-20/21	Wintering	VP, 2	09/02/2021	12:51:00	1	25	25m	25	0
WT125-20/21	Wintering	VP, 2	09/02/2021	14:03:00	4	15	25m	15	0
WT126-20/21	Wintering	VP, 3	08/03/2021	09:40:00	1	7500	10m	7500	0
WT127-20/21	Wintering	VP, 3	08/03/2021	10:02:00	3	15	12.5m	15	0
WT129-20/21	Wintering	VP, 2	08/03/2021	10:53:00	1	110	22.5m	110	0
WT130-20/21	Wintering	VP, 1	08/03/2021	11:01:00	1	16	25m	0	16
WT131-20/21	Wintering	VP, 1	08/03/2021	11:18:00	1	20	60m	20	0
WT134-20/21	Wintering	VP, 3	08/03/2021	11:21:00	1	20	15m	20	0
WT135-20/21	Wintering	VP, 3	08/03/2021	12:00:00	6	3600	10m	3600	0
WT137-20/21	Wintering	VP, 3	08/03/2021	13:13:00	1	120	10m	120	0
WT138-20/21	Wintering	VP, 1	08/03/2021	13:24:00	2	25	30m	0	25
WT139-20/21	Wintering	VP, 2	08/03/2021	13:36:00	2	95	30m	95	0
WT140-20/21	Wintering	VP, 3	08/03/2021	13:45:00	1	43	15m	43	0
WT141-20/21	Wintering	VP, 3	08/03/2021	13:51:00	3	26	25m	26	0
WT142-20/21	Wintering	VP, 2	08/03/2021	13:54:00	1	25	17.5m	25	0
WT143-20/21	Wintering	VP, 3	08/03/2021	14:20:00	1	38	31m	38	0
WT144-20/21	Wintering	VP, 3	08/03/2021	14:33:00	7	45	15m	45	0
WT145-20/21	Wintering	VP, 3	08/03/2021	14:51:00	8	36	15m	36	0
WT146-20/21	Wintering	VP, 3	08/03/2021	14:56:00	1	5	45m	5	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT14-21	Breeding	VP5	23/04/2021	09:15:00	1	10	17.5m	10	0
WT15-21	Breeding	VP5	23/04/2021	09:20:00	1	40	62.5m	35	5
WT16-21	Breeding	VP5	23/04/2021	09:25:00	1	240	-	240	0
WT17-21	Breeding	VP5	23/04/2021	11:33:00	1	3600	17.5m	3000	600
WT5-21	Breeding	VP2	23/04/2021	12:25:00	1	15	30m	12	3
WT25-21	Breeding	VP1	17/05/2021	09:20:00	1	10	17.5m	8	2
WT26-21	Breeding	VP1	17/05/2021	10:35:00	1	20	2.5m	15	5
WT32-21	Breeding	VP2	17/05/2021	13:08:00	1	10	20m	2	8
WT33-21	Breeding	VP2	17/05/2021	14:25:00	1	11	25m	0	11
WT36-21	Breeding	VP3	11/06/2021	11:21:00	1	25	50m	20	5
WT39-21	Breeding		11/06/2021	11:46:00	2	3600	-	3600	0
WT47-21	Breeding	VP1	18/08/2021	10:09:00	1	45	35m	30	15
WT50-21	Breeding	VP1, VP2	18/08/2021	11:57:00	1	47	45m	27	20
WT51-21	Breeding	VP1	18/08/2021	12:05:00	4	165	30m	120	45
WT52-21	Breeding	VP2	18/08/2021	09:54:00	1	2	17.5m	0	2
WT53-21	Breeding	VP2	18/08/2021	11:16:00	1	84	62.5m	0	84
WT54-21	Breeding	VP2, VP5	18/08/2021	12:13:00	4	47	17.5m	27	20
WT55-21	Breeding	VP2	18/08/2021	14:26:00	1	3	16.5m	2	1
WT59-21	Breeding	VP4	18/08/2021	14:26:00	1	65	62.5m	45	20
WT1-21/22	Wintering	VP3	18/11/2021	08:40:00	1	2	25m	2	0
WT2-21/22	Wintering	VP3	18/11/2021	08:51:00	1	46	25m	46	0
WT3-21/22	Wintering	VP3	18/11/2021	08:51:00	1	20	25m	10	10
WT4-21/22	Wintering	VP3	18/11/2021	09:04:00	1	105	25m	105	0
WT5-21/22	Wintering	VP3	18/11/2021	09:22:00	2	200	25m	100	100
WT6-21/22	Wintering	VP3	18/11/2021	09:26:00	1	2	5m	2	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT8-21/22	Wintering	VP3	18/11/2021	10:50:00	3	13320	5m	13320	0
WT9-21/22	Wintering	VP3	18/11/2021	13:16:00	1	93	5m	80	13
WT11-21/22	Wintering	VP2, VP1	23/11/2021	09:08:00	18	26	5m	20	6
WT12-21/22	Wintering	VP1, VP2	23/11/2021	09:33:00	1	56	5m	56	0
WT13-21/22	Wintering	VP1	23/11/2021	09:52:00	1	42	5m	42	0
WT14-21/22	Wintering	VP1, VP5	23/11/2021	09:56:00	1	157	25m	96	61
WT15-21/22	Wintering	VP2, VP5	23/11/2021	09:57:00	1	89	10m	89	0
WT16-21/22	Wintering	VP5	23/11/2021	10:32:00	2	52	15m	52	0
WT19-21/22	Wintering	VP1, VP2	23/11/2021	11:32:00	2	56	5m	56	0
WT20-21/22	Wintering	VP1, VP2	23/11/2021	11:39:00	1	145	25m	145	0
WT21-21/22	Wintering	VP1, VP2, VP5	23/11/2021	12:01:00	1	72	5m	72	0
WT22-21/22	Wintering	VP1	23/11/2021	12:47:00	1	103	5m	103	0
WT24-21/22	Wintering	VP1, VP5	23/11/2021	13:14:00	1	93	5m	93	0
WT25-21/22	Wintering	VP2	23/11/2021	13:15:00	1	60	5m	60	0
WT26-21/22	Wintering	VP1	23/11/2021	13:44:00	1	26	5m	0	26
WT27-21/22	Wintering	VP2	23/11/2021	13:48:00	1	30	5m	30	0
WT28-21/22	Wintering	VP2	23/11/2021	13:53:00	1	60	5m	60	0
WT29-21/22	Wintering	VP1	23/11/2021	13:57:00	1	90	25m	90	0
WT30-21/22	Wintering	VP1, VP2	23/11/2021	13:59:00	1	141	25m	141	0
WT31-21/22	Wintering	VP2	23/11/2021	14:00:00	1	45	5m	45	0
N/A	Wintering	VP3	02/12/2021	12:39:00	1	30	5m	20	10
WT35-21/22	Wintering	VP1	02/12/2021	08:50:00	11	161	35m	100	61
WT36-21/22	Wintering	VP1	02/12/2021	08:51:00	8	160	35m	100	60
WT38-21/22	Wintering	VP1	02/12/2021	08:58:00	1	132	25m	42	90



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT41-21/22	Wintering	VP3	02/12/2021	09:05:00	1	300	0m	300	0
WT42-21/22	Wintering	VP1	02/12/2021	09:13:00	1	50	25m	32	18
WT43-21/22	Wintering	VP3	02/12/2021	09:17:00	1	30	5m	30	0
WT44-21/22	Wintering	VP1	02/12/2021	09:19:00	1	146	25m	120	26
WT45-21/22	Wintering	VP5	02/12/2021	09:20:00	9	14400	10m	14400	0
WT46-21/22	Wintering	VP3	02/12/2021	09:22:00	1	35	5m	35	0
WT47-21/22	Wintering	VP1	02/12/2021	09:23:00	1	46	25m	33	13
WT49-21/22	Wintering	VP3	02/12/2021	09:41:00	1	15	5m	15	0
WT52-21/22	Wintering	VP1	02/12/2021	09:59:00	1	83	5m	83	0
WT54-21/22	Wintering	VP2	02/12/2021	10:00:00	1	10	20m	0	10
WT55-21/22	Wintering	VP3	02/12/2021	10:00:00	1	15	5m	15	0
WT56-21/22	Wintering	VP2	02/12/2021	11:46:00	1	25	30m	0	25
WT57-21/22	Wintering	VP3	02/12/2021	12:05:00	1	40	5m	10	30
WT58-21/22	Wintering	VP1, VP1, VP2	02/12/2021	12:06:00	1	77	5m	37	40
WT60-21/22	Wintering	VP1, VP1	02/12/2021	13:19:00	1	32	5m	0	32
WT61-21/22	Wintering	VP1, VP1, VP2	02/12/2021	13:23:00	1	42	30m	0	42
WT62-21/22	Wintering	VP2	02/12/2021	13:25:00	1	20	30m	0	20
WT63-21/22	Wintering	VP1	02/12/2021	13:32:00	1	21	25m	21	0
WT64-21/22	Wintering	VP1	02/12/2021	13:42:00	1	19	25m	19	0
WT65-21/22	Wintering	VP1, VP1	02/12/2021	13:57:00	1	27	25m	27	0
WT66-21/22	Wintering	VP1, VP1	02/12/2021	14:13:00	2	57	25m	57	0
WT67-21/22	Wintering	VP1, VP1	02/12/2021	14:14:00	1	63	25m	0	63
WT69-21/22	Wintering	VP1	02/12/2021	14:43:00	1	61	5m	45	16



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT75-21/22	Wintering	VP5	06/12/2021	12:27:00	3	9180	8m	9180	0
WT76-21/22	Wintering	VP5	06/12/2021	13:44:00	1	62	40m	62	0
WT77-21/22	Wintering	VP5	06/12/2021	13:51:00	1	40	30m	40	0
WT80-21/22	Wintering	VP3	07/12/2021	11:05:00	1	60	10m	0	60
WT83-21/22	Wintering	VP3	07/12/2021	13:40:00	1	180	35m	0	180
WT84-21/22	Wintering	VP3	07/12/2021	14:24:00	1	20	10m	20	0
WT100-21/22	Wintering	VP2	10/12/2021	12:55:00	1	8	20m	8	0
WT101-21/22	Wintering	VP1	10/12/2021	13:09:00	1	30	15m	0	30
WT102-21/22	Wintering	VP1	10/12/2021	14:37:00	1	30	15m	0	30
WT103-21/22	Wintering	VP1	10/12/2021	14:50:00	1	60	40m	0	60
WT104-21/22	Wintering	VP1	10/12/2021	14:55:00	1	60	35m	0	60
WT85-21/22	Wintering	VP2	10/12/2021	09:43:00	3	4	20m	4	0
WT86-21/22	Wintering	VP2, VP1	10/12/2021	10:00:00	7	67	15m	7	60
WT87-21/22	Wintering	VP1, VP2	10/12/2021	10:09:00	1	65	15m	5	60
WT89-21/22	Wintering	VP1	10/12/2021	10:34:00	1	60	15m	0	60
WT90-21/22	Wintering	VP1	10/12/2021	11:58:00	2	120	35m	0	120
WT92-21/22	Wintering	VP1	10/12/2021	11:58:00	1	60	10m	0	60
WT93-21/22	Wintering	VP2	10/12/2021	12:00:00	2	5	20m	5	0
WT94-21/22	Wintering	VP1	10/12/2021	12:06:00	1	60	35m	0	60
WT95-21/22	Wintering	VP1	10/12/2021	12:16:00	1	60	10m	0	60
WT98-21/22	Wintering	VP1	10/12/2021	12:48:00	2	30	5m	0	30
WT99-21/22	Wintering	VP1	10/12/2021	12:55:00	2	30	30m	0	30
N/A	Wintering	VP5	14/01/2022	09:36:00	3	120	0m	120	0
N/A	Wintering	VP5	14/01/2022	11:40:00	1	10	5m	10	0
WT106-21/22	Wintering	VP3	14/01/2022	09:20:00	9	19920	5m	19920	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT108-21/22	Wintering	VP3, VP5	14/01/2022	09:30:00	25	80	5m	15	65
WT109-21/22	Wintering	VP5	14/01/2022	09:30:00	17	200	0m	200	0
WT110-21/22	Wintering	VP5	14/01/2022	09:45:00	1	10	5m	0	10
WT111-21/22	Wintering	VP5	14/01/2022	10:05:00	18	120	0m	120	0
WT112-21/22	Wintering	VP5	14/01/2022	11:05:00	1	15	5m	15	0
WT113-21/22	Wintering	VP5	14/01/2022	11:06:00	4	400	0m	400	0
WT114-21/22	Wintering	VP3	14/01/2022	11:07:00	2	52	25m	26	26
WT115-21/22	Wintering	VP3	14/01/2022	11:20:00	1	84	25m	60	24
WT116-21/22	Wintering	VP3	14/01/2022	11:20:00	1	30	25m	15	15
WT117-21/22	Wintering	VP4	14/01/2022	11:28:00	1	72	25m	72	0
WT118-21/22	Wintering	VP5	14/01/2022	11:30:00	2	25	5m	25	0
WT119-21/22	Wintering	VP3	14/01/2022	12:12:00	1	44	5m	34	10
WT124-21/22	Wintering	VP5	14/01/2022	13:35:00	4	350	0m	350	0
WT125-21/22	Wintering	VP5	14/01/2022	14:15:00	3	200	0m	200	0
WT126-21/22	Wintering	VP4	14/01/2022	14:56:00	1	63	25m	0	63
WT127-21/22	Wintering	VP1, VP2	17/01/2022	09:43:00	1	55	20m	55	0
WT128-21/22	Wintering	VP1, VP2	17/01/2022	10:51:00	1	56	20m	56	0
WT129-21/22	Wintering	VP2	17/01/2022	11:00:00	1	35	20m	35	0
WT130-21/22	Wintering	VP1, VP2	17/01/2022	11:05:00	2	92	20m	92	0
WT131-21/22	Wintering	VP1, VP2	17/01/2022	11:41:00	6	68	20m	68	0
WT132-21/22	Wintering	VP1, VP2	17/01/2022	12:26:00	1	26	20m	26	0
WT133-21/22	Wintering	VP1	17/01/2022	12:30:00	1	8	20m	8	0
WT134-21/22	Wintering	VP2	17/01/2022	12:35:00	1	5	10m	5	0
WT137-21/22	Wintering	VP2	17/01/2022	13:11:00	1	40	40m	40	0
WT138-21/22	Wintering	VP1, VP2	17/01/2022	13:14:00	1	53	20m	53	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT139-21/22	Wintering	VP2	17/01/2022	13:19:00	1	77	30m	60	17
WT140-21/22	Wintering	VP1, VP2	17/01/2022	13:25:00	1	160	30m	130	30
WT141-21/22	Wintering	VP1, VP2	17/01/2022	13:39:00	1	61	20m	61	0
WT142-21/22	Wintering	VP1, VP2	17/01/2022	13:55:00	2	180	20m	150	30
WT143-21/22	Wintering	VP1	17/01/2022	14:19:00	1	15	30m	15	0
WT144-21/22	Wintering	VP2	17/01/2022	15:02:00	1	50	30m	50	0
WT145-21/22	Wintering	VP2	17/01/2022	15:12:00	2	101	30m	36	65
WT147-21/22	Wintering	VP3	10/02/2022	09:50:00	5	7200	5m	0	7200
WT148-21/22	Wintering	VP3	10/02/2022	09:55:00	1	11	5m	0	11
WT149-21/22	Wintering	VP3	10/02/2022	09:58:00	1	48	25m	31	17
WT150-21/22	Wintering	VP3	10/02/2022	10:28:00	1	12	5m	0	12
WT153-21/22	Wintering	VP3	10/02/2022	11:40:00	1	7200	5m	0	7200
WT156-21/22	Wintering	VP3	10/02/2022	13:22:00	1	18	5m	0	18
WT157-21/22	Wintering	VP3	10/02/2022	13:58:00	1	156	25m	0	156
WT158-21/22	Wintering	VP3	10/02/2022	14:01:00	1	53	25m	0	53
WT160-21/22	Wintering	VP3	10/02/2022	14:41:00	1	88	25m	0	88
WT163-21/22	Wintering	VP5	11/02/2022	09:05:00	2	300	5m	0	300
WT164-21/22	Wintering	VP5	11/02/2022	10:25:00	1	93	15m	43	50
WT165-21/22	Wintering	VP1, VP5	11/02/2022	10:38:00	1	64	15m	49	15
WT166-21/22	Wintering	VP2	11/02/2022	10:44:00	1	15	5m	15	0
WT169-21/22	Wintering	VP1	11/02/2022	11:34:00	1	29	25m	0	29
WT170-21/22	Wintering	VP5	11/02/2022	11:34:00	1	20	50m	0	20
WT175-21/22	Wintering	VP2	11/02/2022	13:26:00	1	110	5m	110	0
WT176-21/22	Wintering	VP5	11/02/2022	13:27:00	1	61	60m	61	0
WT177-21/22	Wintering	VP1	11/02/2022	13:30:00	1	24	25m	0	24



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT179-21/22	Wintering	VP2	11/02/2022	13:36:00	1	10	5m	10	0
WT182-21/22	Wintering	VP1	11/02/2022	13:53:00	2	54	25m	0	54
WT183-21/22	Wintering	VP1	11/02/2022	14:16:00	1	42	25m	0	42
WT184-21/22	Wintering	VP2	11/02/2022	14:30:00	1	11	5m	10	1
WT185-21/22	Wintering	VP1	11/02/2022	14:32:00	1	38	25m	0	38
WT188-21/22	Wintering	VP5	11/02/2022	15:03:00	1	45	50m	45	0
WT189-21/22	Wintering	VP2, VP5	14/03/2022	08:55:00	3	144	40m	89	55
WT190-21/22	Wintering	VP2, VP5	14/03/2022	09:01:00	1	146	30m	98	48
WT199-21/22	Wintering	VP2	14/03/2022	10:36:00	1	109	30m	100	9
WT203-21/22	Wintering	VP5	14/03/2022	12:22:00	1	38	25m	0	38
WT205-21/22	Wintering	VP5	14/03/2022	14:06:00	1	29	25m	0	29
WT206-21/22	Wintering	VP2, VP5	14/03/2022	14:35:00	1	76	30m	56	20
WT10-22/23	Wintering	VP1	28/11/2022	14:27:00	1	0	10m	0	0
WT12-22/23	Wintering	VP1, VP2	28/11/2022	14:46:00	1	47	7.5m	0	47
WT13-22/23	Wintering	VP5, VP2	28/11/2022	14:47:00	1	18	15m	18	0
WT2-22/23	Wintering	VP2	28/11/2022	09:45:00	2	30	15m	12	18
WT3-22/23	Wintering	VP1	28/11/2022	09:46:00	2	46	15m	46	0
WT7-22/23	Wintering	VP1	28/11/2022	11:11:00	1	10	20m	0	10
WT9-22/23	Wintering	VP2	28/11/2022	13:26:00	1	10	5m	10	0
WT15-22/23	Wintering	VP1	30/11/2022	09:15:00	1	12	20m	12	0
WT16-22/23	Wintering	VP1	30/11/2022	09:47:00	1	25	40m	25	0
WT23-22/23	Wintering	VP4	30/11/2022	10:05:00	1	10	15m	0	10
WT57-22/23	Wintering	VPB	30/11/2022	12:50:00	1	70	160m	0	70
WT58-22/23	Wintering	VPA	30/11/2022	12:51:00	1	46	15m	6	40
WT64-22/23	Wintering	VP3	30/11/2022	13:53:00	1	113	15m	25	88



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT68-22/23	Wintering	VP3	30/11/2022	14:04:00	3	74	15m	34	40
WT71-22/23	Wintering	VP1	30/11/2022	14:30:00	2	40	60m	25	15
WT72-22/23	Wintering	VPA, VP3	30/11/2022	14:58:00	1	53	2.5m	0	53
WT73-22/23	Wintering	VPA	30/11/2022	15:07:00	1	42	15m	0	42
WT105-22/23	Wintering	VPA, VPB	20/12/2022	12:54:00	1	50	20m	20	30
WT119-22/23	Wintering	VP3	20/12/2022	14:35:00	1	20	15m	20	0
WT75-22/23	Wintering	VP4, VP3	20/12/2022	09:04:00	5	42	15m	30	12
WT88-22/23	Wintering	VPA	20/12/2022	10:29:00	1	970	35m	0	48
WT124-22/23	Wintering	VP2	21/12/2022	08:59:00	2	21	25m	18	3
WT126-22/23	Wintering	VP2	21/12/2022	09:36:00	3	33	25m	15	18
WT130-22/23	Wintering	VP2, VP1	21/12/2022	10:07:00	1	212	55m	180	32
WT131-22/23	Wintering	VP2, VP1	21/12/2022	10:15:00	3	92	32.5m	81	11
WT133-22/23	Wintering	VP1	21/12/2022	10:28:00	1	20	40m	15	5
WT136-22/23	Wintering	VP2	21/12/2022	12:12:00	1	59	22.5m	34	25
WT145-22/23	Wintering	VP1, VP2	21/12/2022	13:16:00	1	218	90m	178	40
WT148-22/23	Wintering	VP1, VP2	21/12/2022	14:02:00	1	103	90m	35	68
WT149-22/23	Wintering	VP1	21/12/2022	14:53:00	1	80	90m	0	80
WT150-22/23	Wintering	VP1	21/12/2022	15:04:00	1	42	90m	0	42
WT268-22/23	Wintering	VP2	25/01/2023	13:19:00		25	45m	25	
WT270-22/23	Wintering	VP2	25/01/2023	13:36:00	1	25	30m		25
WT271-22/23	Wintering	VP2	25/01/2023	13:59:00	1	20	30m	15	5
WT272-22/23	Wintering	VP2	25/01/2023	14:17:00	1	25	30m		25
WT284-22/23	Wintering	VP1	25/01/2023	09:03:00	1	40	25m	30	10
WT285-22/23	Wintering	VP1	25/01/2023	09:18:00	1	30	12.5m	5	25



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT287-22/23	Wintering	VP1	25/01/2023	11:55:00	1	85	15m	85	0
WT290-22/23	Wintering	VP1	25/01/2023	14:29:00	2	30	15m	25	5
WT293-22/23	Wintering	VP5	25/01/2023	10:33:00	1	35	20m	5	30
WT295-22/23	Wintering	VP5	25/01/2023	11:47:00	1	35	15m	5	30
WT296-22/23	Wintering	VP5	25/01/2023	11:55:00	1	50	20m	50	0
WT275-22/23	Wintering	VP3	27/01/2023	10:56:00	1	107	50m	107	
WT276-22/23	Wintering	VP3	27/01/2023	11:32:00	1	22	12.5m	22	
WT278-22/23	Wintering	VP3	27/01/2023	12:56:00	1	75	20m	15	60
WT279-22/23	Wintering	VP3	27/01/2023	13:42:00	1	82	12.5m	82	
WT280-22/23	Wintering	VP3	27/01/2023	14:41:00	2	70	17.5m	70	
WT281-22/23	Wintering	VP3	27/01/2023	14:45:00	1	85	20m	85	
WT282-22/23	Wintering	VP3	27/01/2023	14:54:00	1	75	20m	15	60
WT283-22/23	Wintering	VP3	27/01/2023	15:10:00	1	40	25m		40
WT151-22/23	Wintering	VP2	20/02/2023	08:55:00	1	83	15m	10	73
WT156-22/23	Wintering	VP3	20/02/2023	09:26:00	1	1440	15m	0	1440
WT160-22/23	Wintering	VP2	20/02/2023	09:51:00	1	44	15m	22	22
WT161-22/23	Wintering	VP2, VP1	20/02/2023	10:24:00	1	92	15m	32	60
WT162-22/23	Wintering	VP1	20/02/2023	10:25:00	1	46	35m	36	10
WT166-22/23	Wintering	VP1	20/02/2023	11:05:00	1	15	10m	0	15
WT167-22/23	Wintering	VPB	20/02/2023	11:08:00	1	78	30m	48	30
WT168-22/23	Wintering	VPA	20/02/2023	11:28:00	1	69	32.5m	50	19
WT171-22/23	Wintering	VP2	20/02/2023	12:04:00	1	2	15m	1	1
WT172-22/23	Wintering	VPA	20/02/2023	12:25:00	1	10	20m	10	0
WT173-22/23	Wintering	VP5	20/02/2023	12:28:00	40	35	6m	10	25
WT175-22/23	Wintering	VP2, VP1	20/02/2023	12:55:00	1	90	15m	60	30



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT176-22/23	Wintering	VP2, VP1	20/02/2023	13:39:00	1	48	62.5m	8	40
WT177-22/23	Wintering	VP1	20/02/2023	13:46:00	1	10	25m	10	0
WT178-22/23	Wintering	VP1	20/02/2023	14:00:00	1	12	60m	1	11
WT179-22/23	Wintering	VPA	20/02/2023	14:35:00	1	94	20m	94	0
WT180-22/23	Wintering	VP1	20/02/2023	14:50:00	1	5	25m	5	0
WT188-22/23	Wintering	VP1	27/03/2023	09:04:00	1	70	15m	20	50
WT191-22/23	Wintering	VPA	27/03/2023	09:18:00	1	54	15m	44	10
WT215-22/23	Wintering	VP1	27/03/2023	11:02:00	1	17	2.5m	3	14
WT223-22/23	Wintering	VPA	27/03/2023	11:50:00	1	18	15m	12	6
WT229-22/23	Wintering	VPA	27/03/2023	13:18:00	3	20	2.5m	20	0
WT231-22/23	Wintering	VP1	27/03/2023	14:00:00	3	2	2.5m	2	0
WT238-22/23	Wintering	VP2	27/03/2023	15:15:00	2	44	20m	10	34
WT1-23	Breeding	VPB	01/05/2023	09:20:00	1	50	15m	10	40
N/A	Breeding	VP3	02/05/2023	08:52:00	2	0	2.5m	-	-
N/A	Breeding	VP3	02/05/2023	13:50:00	1	0	15m	0	0
WT13-23	Breeding	VP1	02/05/2023	13:40:00	1	14	12m	6	8
WT5-23	Breeding	VP3	02/05/2023	08:47:00	1	22	15m	0	22
WT7-23	Breeding	VP3	02/05/2023	10:37:00	4	8	15m	2	6
WT18-23	Breeding	VP2, VP1	23/06/2023	08:53:00	1	23	15m	0	23
WT25-23	Breeding	VP1	23/06/2023	12:30:00	1	10	15m	2	8
WT29-23	Breeding	VP3	27/06/2023	10:34:00	1	9	15m	2	7
WT32-23	Breeding	VPA	27/06/2023	14:55:00	1	111	35m	74	37
N/A	Breeding	VP5	20/07/2023	11:32:00	5	0	2.5m	-	-
N/A	Breeding	VP5	20/07/2023	12:30:00	3	0	15m	0	0
WT44-23	Breeding	VPA	20/07/2023	10:10:00	1	44	15m	44	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT45-23	Breeding	VP5	20/07/2023	10:16:00	1	10	15m	10	0
WT64-23	Breeding	VP3	27/07/2023	10:47:00	1	45	40m	45	0
WT72-23	Breeding	VP1	27/07/2023	11:12:00	1	36	15m	16	20
WT100-23	Breeding	VP1	28/08/2023	10:43:00	5	41	35m	37	4
WT109-23	Breeding	VP3	28/08/2023	12:40:00	1	30	2.5m	30	0
WT113-23	Breeding	VP3	28/08/2023	13:20:00	1	25	15m	13	12
WT118-23	Breeding	VPA	28/08/2023	14:08:00	1	77	10m	7	70
WT119-23	Breeding	VP5	28/08/2023	14:09:00	4	1680	2.5m	0	1680
WT77-23	Breeding	VP3	28/08/2023	09:38:00	1	15	15m	15	0
WT90-23	Breeding	VP2	28/08/2023	09:57:00	3	10	18m	10	0
WT91-23	Breeding	VP3	28/08/2023	09:15:00	1	40	15m	40	0
WT93-23	Breeding	VP3	28/08/2023	09:38:00	1	15	15m	15	0
WT94-23	Breeding	VP3	28/08/2023	10:17:00	1	1200	15m	0	1200
WT130-23	Breeding	VP3	26/09/2023	09:06:00	1	18	15m	16	2
WT131-23	Breeding	VPB	26/09/2023	09:08:00	1	75	62.5m	0	75
WT134-23	Breeding	VP2, VP1	26/09/2023	09:13:00	4	154	25	64	90
WT137-23	Breeding	VPA, VPB	26/09/2023	10:20:00	1	42	40m	20	22
WT10-23/24	Wintering	VP2	24/10/2023	12:59:00	1	20	15m	20	0
WT13-23/24	Wintering	VP3	24/10/2023	09:01:00	2	1800	35m	1800	0
WT14-23/24	Wintering	VP3	24/10/2023	09:21:00	1	20	30m	10	10
WT15-23/24	Wintering	VP3	24/10/2023	09:27:00	1	10	25m	10	0
WT16-23/24	Wintering	VP3, VPA	24/10/2023	09:31:00	4	20	30m	20	0
WT17-23/24	Wintering	VP3	24/10/2023	10:14:00	1	30	35m	0	30
WT22-23/24	Wintering	VP3	24/10/2023	14:35:00	1	25	30m	0	25



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT3-23/24	Wintering	VP1	24/10/2023	12:48:00	1	40	70m	25	15
WT4-23/24	Wintering	VP1	24/10/2023	13:29:00	1	15	30m	10	5
WT40-23/24	Wintering	VP5	24/10/2023	08:20:00	9	4380	12.5m	0	4380
WT41-23/24	Wintering	VP5	24/10/2023	09:26:00	11	18	15m	0	18
WT47-23/24	Wintering	VPA	24/10/2023	09:36:00	1	60	25m	60	0
WT48-23/24	Wintering	VPA	24/10/2023	09:44:00	4	30	30m	0	30
WT51-23/24	Wintering	VPA	24/10/2023	10:53:00	1	76	30m	76	0
WT58-23/24	Wintering	VPA	24/10/2023	13:31:00	1	41	7.5m	30	11
WT6-23/24	Wintering	VP1	24/10/2023	15:18:00	1	35	35m	30	5
WT8-23/24	Wintering	VP2	24/10/2023	09:44:00	5	30	15m	0	30
N/A	Wintering	VP3	20/12/2023	12:15:00	1	28	15m	-	-
WT147-23/24	Wintering	VP1	20/12/2023	10:52:00	1	6	10m	4	2
WT149-23/24	Wintering	VP2	20/12/2023	08:56:00	1	12	35m	6	6
WT150-23/24	Wintering	VP2	20/12/2023	10:10:00	1	14	35m	12	2
WT152-23/24	Wintering	VP3	20/12/2023	08:44:00	1	10	25m	10	0
WT153-23/24	Wintering	VP3, VPA	20/12/2023	08:53:00	14	104	25m	104	0
WT156-23/24	Wintering	VP3, VP2	20/12/2023	10:15:00	5	240	20m	250	0
WT157-23/24	Wintering	VP3	20/12/2023	11:16:00	1	48	12.5m	48	0
WT158-23/24	Wintering	VP3	20/12/2023	13:30:00	1	56	15m	56	0
WT160-23/24	Wintering	VP3	20/12/2023	13:43:00	1	117	20m	55	62
WT172-23/24	Wintering	VPA	20/12/2023	11:53:00	1	58	62.5m	8	50
WT173-23/24	Wintering	VPA, VPB	20/12/2023	11:57:00	1	52	62.5m	40	12
WT176-23/24	Wintering	VPA	20/12/2023	13:49:00	1	32	62.5m	15	17
WT183-23/24	Wintering	VPB	20/12/2023	10:22:00	1	141	62.5m	40	100



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT190-23/24	Wintering	VP1, VP2	25/01/2024	08:52:00	9	107	15m	50	57
WT192-23/24	Wintering	VP1	25/01/2024	09:11:00	1	138	25m	0	138
WT195-23/24	Wintering	VP1	25/01/2024	10:11:00	1	35	15m	30	5
WT196-23/24	Wintering	VP1	25/01/2024	11:09:00	1	48	15m	24	24
WT204-23/24	Wintering	VP2	25/01/2024	09:01:00	6	15	15m	15	0
WT213-23/24	Wintering	VP3	25/01/2024	09:03:00	2	54	15m	34	20
WT216-23/24	Wintering	VP3	25/01/2024	09:51:00	1	38	15m	19	19
WT226-23/24	Wintering	VP3	25/01/2024	14:42:00	1	21	15m	17	4
WT230-23/24	Wintering	VP4, VP3	25/01/2024	09:07:00	1	83	15m	60	24
WT237-23/24	Wintering	VP5	29/01/2024	13:44:00	3	48	15m		
WT241-23/24	Wintering	VP5	29/01/2024	14:15:00	1	24	15m	0	24
WT243-23/24	Wintering	VP5	29/01/2024	14:23:00	3	52	15m	0	52
WT244-23/24	Wintering	VP5	29/01/2024	14:35:00	1	33	62.5m	3	30
WT245-23/24	Wintering	VP5	29/01/2024	14:40:00	1	39	62.5m	4	35
WT249-23/24	Wintering	VPB	29/01/2024	12:48:00	1	10	35m	8	2
WT251-23/24	Wintering	VPB	29/01/2024	13:42:00	1	14	35m	11	3
WT255-23/24	Wintering	VPA	02/02/2024	09:01:00	1	30	62.5m	10	20
WT261-23/24	Wintering	VPA	02/02/2024	10:00:00	1	200	62.5m	180	20
WT281-23/24	Wintering	VP1	23/02/2024	09:38:00	1	120	62.5m	0	120
WT292-23/24	Wintering	VP2	23/02/2024	08:42:00	1	150	15m	60	90
WT299-23/24	Wintering	VP3, VPA, VPB	26/02/2024	10:51:00	1	66	22.5m	66	0
WT300-23/24	Wintering	VP3, VPA	26/02/2024	14:01:00	1	55	18.5m	55	0
WT328-23/24	Wintering	VP1, VP2	21/03/2024	11:34:00	1	82	62.5m	57	25



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT329-23/24	Wintering	VP1	21/03/2024	11:48:00	3	49	15m	30	19
WT338-23/24	Wintering	VP2, VP1	21/03/2024	10:05:00	1	12	30m	6	6
WT366-23/24	Wintering	VP3	21/03/2024	12:37:00	1	140	62.5m	70	70
WT369-23/24	Wintering	VP3	21/03/2024	12:58:00	1	3000	15m		
WT11-24	Breeding	VPA	28/05/2024	13:05:00	1	25	32.5m	0	25
WT6-24	Breeding	VPA	28/05/2024	11:28:00	2	45	15m	5	40
WT38-24	Breeding	VP2	31/05/2024	13:00:00	1	300	62.5m	0	300
WT39-24	Breeding	VP1, VP2, VP3	31/05/2024	13:01:00	1	120	40m	120	0
WT40-24	Breeding	VP1, VP2, VP3	31/05/2024	13:01:00	1	120	40m	120	0
WT44-24	Breeding	VP2	31/05/2024	14:31:00	1	16	15m	0	16
WT46-24	Breeding	VP3	31/05/2024	14:52:00	1	20	15m	0	20
WT54-24	Breeding	VP3	24/06/2024	10:04:00	1	46	62.5m	0	46
WT58-24	Breeding	VP3	24/06/2024	11:00:00	1	155	62.5m	0	155
WT64-24	Breeding	VP5	24/06/2024	13:00:00	1	30	15m	25	5
WT68-24	Breeding	VP2	24/06/2024	14:35:00	1	21	27.5m	21	0
WT73-24	Breeding	VPA	27/06/2024	12:53:00	1	70	62.5m	70	0
WT78-24	Breeding	VP3	24/07/2024	09:13:00	1	25	25m	25	0
WT79-24	Breeding	VP1, VP2	24/07/2024	09:24:00	1	54	15m	30	24
WT86-24	Breeding	VP3	24/07/2024	11:33:00	2	45	40m	30	15
WT87-24	Breeding	VP1, VP2	24/07/2024	11:39:00	2	55	62.5m	30	25
WT89-24	Breeding	VP1	24/07/2024	11:58:00	1	46	15m	23	23
WT90-24	Breeding	VP1, VP2	24/07/2024	12:03:00	1	52	62.5m	26	26
WT93-24	Breeding	VP2	24/07/2024	12:08:00	1	10	15m	10	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT94-24	Breeding	VP1	24/07/2024	13:18:00	1	107	62.5m	54	53
N/A	Breeding	VPB	29/07/2024	12:48:00	1	-	62.5m	-	-
WT100-24	Breeding	VPB	29/07/2024	11:28:00	2	60	62.5m	20	40
WT101-24	Breeding	VPB	29/07/2024	11:37:00	1	30	62.5m	10	20
WT99-24	Breeding	VPA	29/07/2024	09:58:00	1	95	17.5m	0	95
WT112-24	Breeding	VPA	23/08/2024	09:46:00	1	35	62.5m	35	0
WT115-24	Breeding	VPA	23/08/2024	11:06:00	1	15	15m	15	0
WT130-24	Breeding	VP4	23/08/2024	15:05:00	1	180	90m	120	60
WT132-24	Breeding	VP5	28/08/2024	08:50:00	1	32	62.5m	0	32
WT134-24	Breeding	VP5, VP1	28/08/2024	09:08:00	4	53	62.5m	25	28
WT138-24	Breeding	VP5	28/08/2024	11:12:00	1	205	100m	0	205
WT143-24	Breeding	VP2	28/08/2024	12:02:00	2	55	35m	35	20
WT145-24	Breeding	VP3	28/08/2024	12:08:00	1	20	17.5m	0	20
WT152-24	Breeding	VP2, VP1	23/09/2024	09:40:00	7	130	40m	120	10
WT153-24	Breeding	VP2	23/09/2024	09:40:00	1	130	40m	120	10
WT155-24	Breeding	VP1	23/09/2024	10:36:00	1	60	17.5m	60	0
WT156-24	Breeding	VP2	23/09/2024	10:36:00	2	45	37.5m	40	5
WT157-24	Breeding	VP2, VP1	23/09/2024	10:57:00	1	30	17.5m	30	0
WT158-24	Breeding	VP2, VP1	23/09/2024	11:30:00	1	50	27.5m	50	0
WT159-24	Breeding	VP2, VP1	23/09/2024	13:46:00	2	120	32.5m	60	60
WT160-24	Breeding	VP2, VP1	23/09/2024	14:00:00	1	42	17.5m	30	12
WT163-24	Breeding	VP1	23/09/2024	14:36:00	1	60	25m	60	0
WT164-24	Breeding	VP2	23/09/2024	14:58:00	1	90	37.5m	45	45
WT165-24	Breeding	VP5	24/09/2024	08:48:00	8	12600	15m	0	12600
WT166-24	Breeding	VP3	24/09/2024	09:08:00	10	30	40m	10	20



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT167-24	Breeding	VP3	24/09/2024	09:15:00	2	50	80m	40	10
WT169-24	Breeding	VP5	24/09/2024	09:40:00	2	16	15m	0	16
WT172-24	Breeding	VP5	24/09/2024	10:09:00	1	14	15m	0	14
WT179-24	Breeding	VP5	24/09/2024	12:07:00	1	24	15m	0	24
WT180-24	Breeding	VP5, VP3	24/09/2024	12:17:00	9	195	62.5m	100	95
WT182-24	Breeding	VP3	24/09/2024	12:29:00	1	50	35m	5	45
WT186-24	Breeding	VP3	24/09/2024	13:29:00	1	60	35m	15	45
WT188-24	Breeding	VP5	24/09/2024	14:37:00	1	180	15m	0	180
WT194-24	Breeding	VPA	27/09/2024	14:21:00	1	15	5m	0	15
WT195-24	Breeding	VPA	27/09/2024	14:24:00	2	70	32.5m	0	70
WT197-24	Breeding	VPB	28/09/2024	08:59:00	2	60	15m	60	0
WT201-24	Breeding	VPB	28/09/2024	10:10:00	1	25	15m	25	0
WT203-24	Breeding	VPB	28/09/2024	12:04:00	1	10	15m	10	0
WT204-24	Breeding	VPB	28/09/2024	12:09:00	1	30	15m	5	25
WT210-24	Breeding	VPB	28/09/2024	13:45:00	3	35	62.5m	35	0

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00023	Winter	VP2	30/10/2025	07:15:00	1	25	0	0	0	0	25
F00025	Winter	VP2	30/10/2025	08:30:00	1	21	0	0	0	0	21



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00026	Winter	VP2	30/10/2025	08:32:00	4	55	30	0	0	0	85
F00031	Winter	VP2	30/10/2025	09:15:00	1	8	35	0	0	0	43
F00032	Winter	VP2	30/10/2025	10:27:00	1	20	0	0	0	0	20
F00034	Winter	VP2	30/10/2025	13:12:00	1	12	5	0	0	0	17
F00042	Winter	VP3	29/10/2025	15:45:00	4	33	0	0	0	0	33
F00047	Winter	VP4	16/10/2025	17:37:00	3	5	35	0	0	0	40
F00052	Winter	VP4	21/11/2025	08:09:00	4	18	0	0	0	0	18
F00054	Winter	VP4	21/11/2025	08:38:00	3	21	0	0	0	0	21
F00057	Winter	VP4	21/11/2025	09:48:00	7	28	0	0	0	0	28
F00065	Winter	VP4	21/11/2025	12:29:00	1	0	0	116	0	0	116
F00075	Winter	VP5	19/11/2025	14:58:00	1	35	0	0	0	0	35
F00076	Winter	VP5	19/11/2025	14:59:00	1	0	45	0	0	0	45
F00079	Winter	VP5	19/11/2025	15:50:00	2	0	55	0	0	0	55
F00080	Winter	VP5	19/11/2025	16:20:00	1	0	35	0	0	0	35
F00081	Winter	VP1	27/11/2025	08:29:00	2	0	0	32	0	0	32
F00083	Winter	VP1	27/11/2025	08:54:00	4	0	0	8	12	0	20
F00088	Winter	VP1	27/11/2025	10:08:00	1	13	0	0	0	0	13
F00101	Winter	VP1	27/11/2025	13:01:00	1	12	0	0	0	0	12
F00109	Winter	VP2	25/11/2025	12:23:00	1	0	45	0	0	0	45
F00112	Winter	VP2	25/11/2025	12:54:00	1	0	0	49	0	0	49
F00114	Winter	VP2	25/11/2025	14:56:00	1	0	23	0	0	0	23
F00115	Winter	VP2	25/11/2025	15:04:00	2	21	0	0	0	0	21
F00116	Winter	VP2	25/11/2025	15:05:00	1	0	23	0	0	0	23
F00117	Winter	VP2	25/11/2025	15:18:00	2	0	31	0	0	0	31
F00118	Winter	VP2	25/11/2025	15:18:00	2	0	42	0	0	0	42



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00119	Winter	VP2	25/11/2025	15:30:00	1	0	16	0	0	0	16
F00121	Winter	VP2	25/11/2025	15:45:00	2	0	22	0	0	0	22
F00122	Winter	VP2	25/11/2025	15:48:00	1	0	29	0	0	0	29
F00123	Winter	VP2	25/11/2025	15:49:00	1	0	31	0	0	0	31
F00124	Winter	VP2	25/11/2025	15:52:00	2	0	29	0	0	0	29
F00125	Winter	VP2	25/11/2025	16:00:00	1	0	21	0	0	0	21
F00127	Winter	VP2	25/11/2025	16:01:00	2	0	29	0	0	0	29
F00132	Winter	VP3	28/11/2025	08:54:00	1	0	34	0	0	0	34
F00147	Winter	VP3	28/11/2025	12:55:00	2	0	35	0	0	0	35
F00158	Winter	VP3	28/11/2025	13:57:00	1	19	0	0	0	0	19
F00160	Winter	VP3	28/11/2025	14:03:00	1	0	23	0	0	0	23
F00169	Winter	VP5	08/12/2025	15:12:00	3	0	95	20	0	0	115
F00170	Winter	VP5	08/12/2025	15:42:00	12	0	0	120	0	0	120
F00173	Winter	VP4	10/12/2025	08:36:00	9	17	50	0	0	0	67
F00174	Winter	VP4	10/12/2025	08:57:00	1	0	0	36	0	0	36
F00178	Winter	VP4	10/12/2025	10:47:00	1	15	0	0	0	0	15
F00181	Winter	VP4	10/12/2025	11:50:00	1	0	68	0	0	0	68
F00182	Winter	VP4	10/12/2025	13:39:00	1	0	82	0	0	0	82
F00191	Winter	VP1	02/12/2025	11:54:00	1	6	0	0	0	0	6
F00204	Winter	VP1	02/12/2025	13:01:00	1	0	0	66	0	0	66
F00212	Winter	VP1	02/12/2025	13:44:00	1	0	25	0	0	0	25
F00221	Winter	VP1	02/12/2025	15:35:00	1	22	0	0	0	0	22
F00224	Winter	VP1	02/12/2025	16:17:00	1	22	0	0	0	0	22
F00226	Winter	VP1	02/12/2025	16:22:00	1	0	20	0	0	0	20
F00233	Winter	VP2	03/12/2025	09:06:00	1	0	57	0	0	0	57



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00234	Winter	VP2	03/12/2025	09:13:00	1	0	52	0	0	0	52
F00235	Winter	VP2	03/12/2025	09:15:00	7	0	0	21	0	0	21
F00236	Winter	VP2	03/12/2025	09:26:00	1	0	0	54	0	0	54
F00237	Winter	VP2	03/12/2025	09:27:00	1	0	32	0	0	0	32
F00240	Winter	VP2	03/12/2025	09:51:00	1	0	29	0	0	0	29
F00253	Winter	VP2	03/12/2025	12:33:00	1	0	0	36	0	0	36
F00257	Winter	VP2	03/12/2025	13:32:00	1	0	3	17	0	0	20
F00258	Winter	VP2	03/12/2025	13:37:00	1	0	22	0	0	0	22
F00261	Winter	VP2	03/12/2025	13:55:00	1	0	24	0	0	0	24
F00265	Winter	VP3	04/12/2025	08:44:00	1	0	20	0	0	0	20
F00270	Winter	VP3	04/12/2025	09:32:00	1	16	0	0	0	0	16
F00274	Winter	VP3	04/12/2025	10:45:00	1	0	0	44	0	0	44
F00289	Winter	VP4	12/01/2026	09:09:00	8	0	0	36	0	0	36
F00291	Winter	VP4	12/01/2026	09:18:00	1	0	22	10	0	0	32
F00293	Winter	VP4	12/01/2026	09:34:00	1	0	0	29	0	0	29
F00296	Winter	VP4	12/01/2026	13:12:00	1	5	35	0	0	0	40
F00301	Winter	VP5	14/01/2026	09:44:00	1	24	0	0	0	0	24
F00304	Winter	VP5	14/01/2026	11:40:00	1	0	13	60	0	0	73
F00307	Winter	VP1	27/01/2026	08:39:00	1	0	0	39	0	0	39
F00309	Winter	VP1	27/01/2026	08:43:00	6	0	0	15	0	0	15
F00327	Winter	VP1	27/01/2026	12:56:00	1	0	12	0	0	0	12
F00341	Winter	VP2	21/01/2026	14:56:00	1	0	0	32	0	0	32
F00342	Winter	VP2	21/01/2026	15:05:00	1	0	0	29	0	0	29
F00343	Winter	VP2	21/01/2026	15:27:00	1	0	37	0	0	0	37
F00344	Winter	VP2	21/01/2026	15:35:00	1	0	22	0	0	0	22



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00345	Winter	VP2	21/01/2026	15:38:00	1	0	31	0	0	0	31
F00346	Winter	VP2	21/01/2026	15:46:00	1	0	45	0	0	0	45
F00347	Winter	VP2	21/01/2026	15:48:00	1	0	29	0	0	0	29
F00348	Winter	VP2	21/01/2026	15:50:00	2	0	30	0	0	0	30
F00349	Winter	VP2	21/01/2026	16:18:00	4	0	13	11	0	0	24
F00350	Winter	VP2	21/01/2026	16:21:00	2	0	21	0	0	0	21
F00351	Winter	VP2	21/01/2026	16:24:00	5	0	32	0	0	0	32
F00352	Winter	VP2	21/01/2026	16:36:00	1	0	17	0	0	0	17
F00355	Winter	VP3	23/01/2026	12:21:00	4	0	0	39	0	0	39
F00364	Winter	VP3	23/01/2026	15:16:00	4	0	21	0	0	0	21
F00365	Winter	VP3	23/01/2026	15:19:00	5	0	0	43	0	0	43
F00366	Winter	VP3	23/01/2026	15:44:00	1	0	24	0	0	0	24
F00386	Winter	VP4	11/02/2026	08:50:00	4	0	25	0	0	0	25
F00403	Winter	VP2	12/02/2026	08:46:00	3	0	72	0	0	0	72
F00404	Winter	VP2	12/02/2026	09:08:00	1	0	36	0	0	0	36
F00412	Winter	VP2	12/02/2026	11:20:00	1	0	40	0	0	0	40
F00423	Winter	VP3	13/02/2026	12:49:00	5	0	20	0	0	0	20
F00431	Winter	VP4	23/02/2026	16:13:00	1	0	0	55	0	0	55
F00433	Winter	VP4	23/02/2026	16:44:00	3	0	0	69	0	0	69
F00437	Winter	VP5	24/02/2026	07:53:00	8	0	0	60	68	0	128
F00443	Winter	VP5	24/02/2026	10:17:00	3	0	0	44	0	0	44
F00448	Winter	VP5	24/02/2026	12:18:00	2	0	30	0	0	0	30
F00474	Winter	VP2	25/02/2026	13:33:00	1	0	0	39	8	0	47
F00486	Winter	VP2	25/02/2026	17:42:00	5	6	12	7	0	0	25
F00492	Winter	VP3	26/02/2026	14:08:00	1	0	0	62	0	0	62



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00504	Winter	VP3	26/02/2026	16:59:00	2	0	20	0	0	0	20
F00506	Winter	VP3	26/02/2026	17:32:00	1	0	29	0	0	0	29
F00509	Winter	VP2	17/02/2026	08:33:00	1	23	0	0	0	0	23
F00514	Winter	VP2	17/02/2026	08:45:00	1	0	50	0	0	0	50
F00523	Winter	VP2	17/02/2026	09:22:00	1	16	0	0	0	0	16

Ecology Ireland Transect Survey																								
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)	
2020	1	1	-	-	-	2	-	-	-	-	1	-	-	2	-	1	-	-	-	-	-	-	-	-
2022/2023	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
2020/2021	-	-	-	1	1	2	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	3	-	-	1	2	-	1	-	-	-	-	-	-	1	-	1	2	-	-	-	4
2023/2024	-	1	-	1	-	-	-	4	-	-	-	1	-	1	-	1	-	-	-	2	-	2	-	1
2024	-	1	-	3	-	1	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-	3	-	1

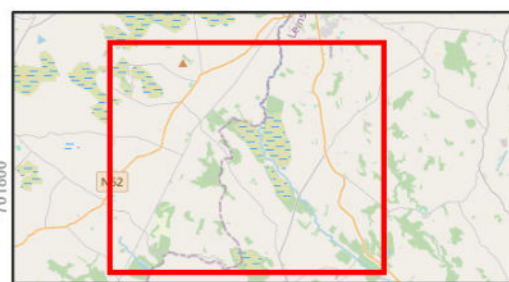
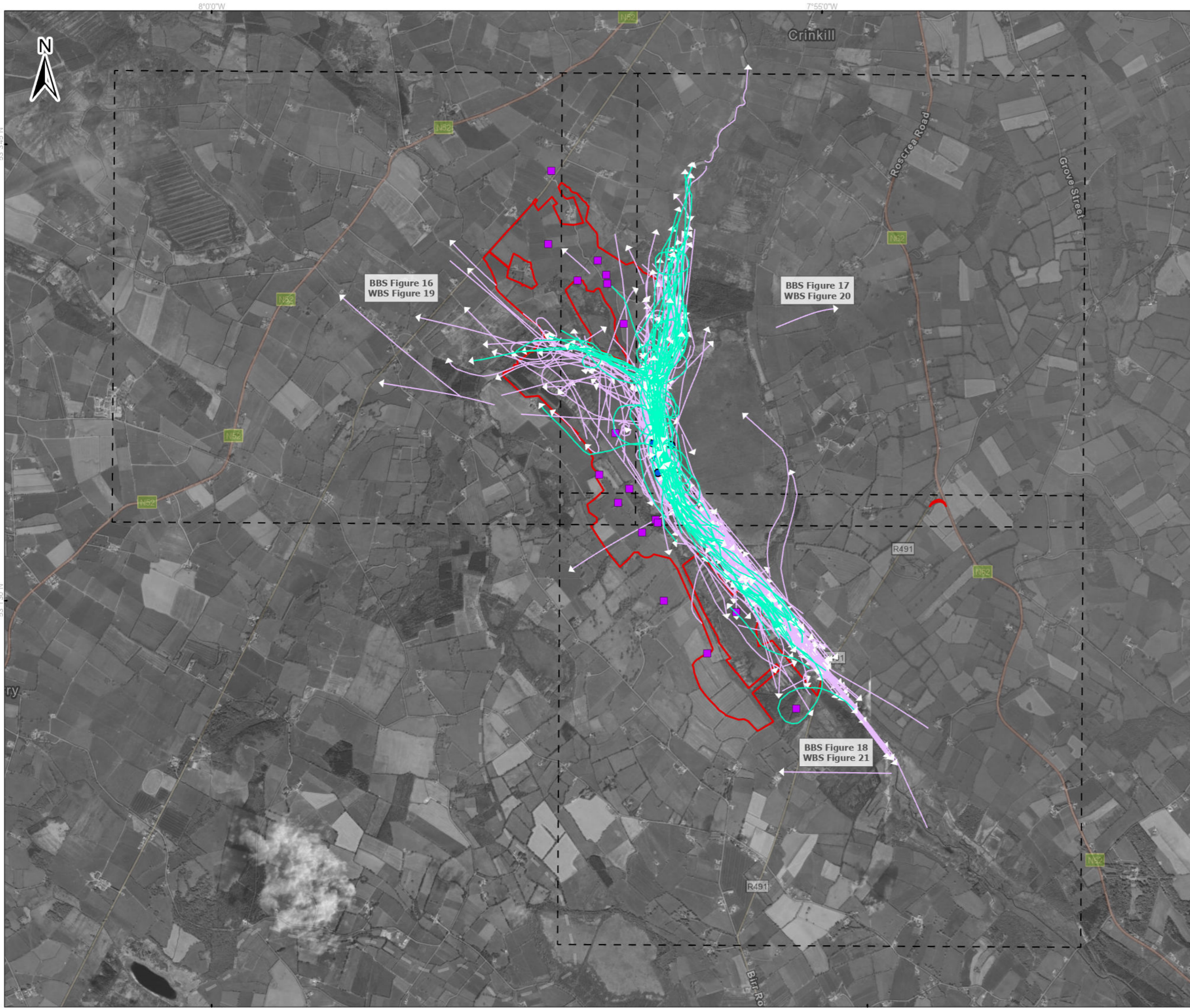
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00022	Winter	VP	VP2	30/10/2025	07:25:00	4	N/A	Perched
P00052	Winter	HH roost	HHVP1	14/10/2025	17:55:00	5	WL2	Perched



TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00196	Winter	Transect	T3	20/11/2025	11:25:00	8	N/A	N/A
P00276	Winter	HH roost	HHVP1	24/11/2025	15:44:00	2	FW2	in flight
P00278	Winter	HH roost	HHVP1	24/11/2025	16:13:00	11	WN7	on ground
P00389	Winter	VP	VP3	03/12/2025	N/A	3	N/A	on tree
P00421	Winter	Transect	T2, T5, T6	05/12/2025	08:54:00	2	PB1	in flight
P00481	Winter	HH roost	HHVP2	03/12/2025	15:25:00	9	WN7	N/A
P00483	Winter	HH roost	HHVP2	03/12/2025	15:57:00	3	WN7	N/A
P00582	Winter	HH roost	HHVP1	22/01/2026	17:27:00	9	WN7	on tree
P00640	Winter	HH roost	HHVP1	11/02/2026	17:25:00	9	WN7	N/A
P00805	Winter	Transect	T2	13/03/2026	16:22:00	2	WN7	Resting
P00810	Winter	HH roost	HHVP1	13/03/2026	18:34:00	2	WN7	Roosting

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Clonfree 1	26/11/2025	N/A	2	N/A	N/A
Winter	I-WeBS	Glasderry More bridge	01/12/2025	N/A	8	N/A	N/A
Winter	I-WeBS	Ashton Callow Hut	16/01/2026	N/A	1	N/A	N/A
Winter	I-WeBS	Glasderry More bridge	09/02/2026	N/A	1	N/A	N/A
Winter	I-WeBS	Riverstown bridge	09/02/2026	N/A	1	N/A	N/A





- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - ▭ Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
- Flightlines - TOBIN 2025/26
- Cormorant
- Flightlines - Ecology Ireland 2020 - 2024
- Cormorant

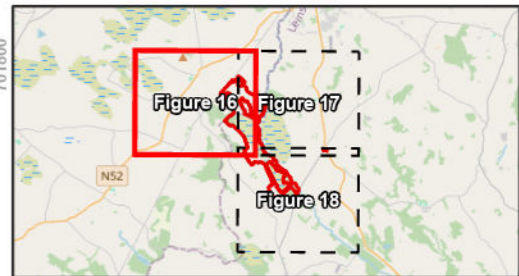
Spatial Reference Datum: IRENET95 EPSG: 2157		Copyrights: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community.		
A	02/04/2026	First issue	K.K	J.S
Rev	Date	Description	By	Chkd.

Client:				
Project:				
Ballincor Wind Farm				
Title:				
Appendix 7-I, Figure 15: Cormorant observations over the survey period (May 2020 – March 2026) Overview				
Scale @ A3:		1:32,000		
Prepared by:		Checked by:		Date:
K.Kale		J.Sherry		April 2026

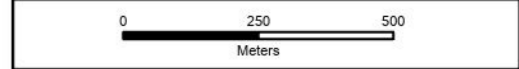
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Map Ref:	Draft:
11333-004.ApX-VP-CA-SUM-A_overview	A



- Legend**
- ▬ Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - Ecology Ireland 2020 - 2024
 - Cormorant



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	07/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 16:
 Cormorant observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 1 of 3 -**

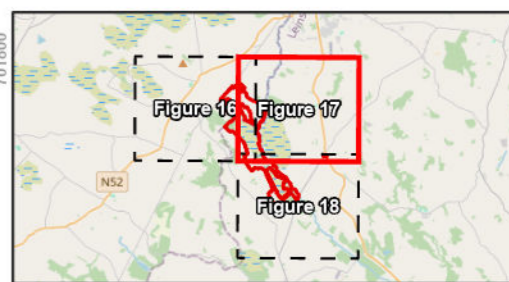
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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 Email: info@tobin.ie
 www.tobin.ie

Map Ref: 11333-004.ApX.BBS-VP-CA-SUM-A Draft: **A**



- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - Ecology Ireland 2020 - 2024
 - Cormorant



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	07/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 17: Cormorant observations over the survey period (May 2020 – March 2026) - Sheet 2 of 3 -**

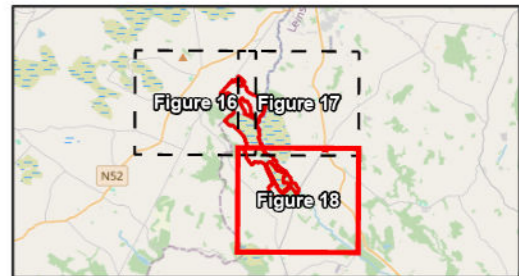
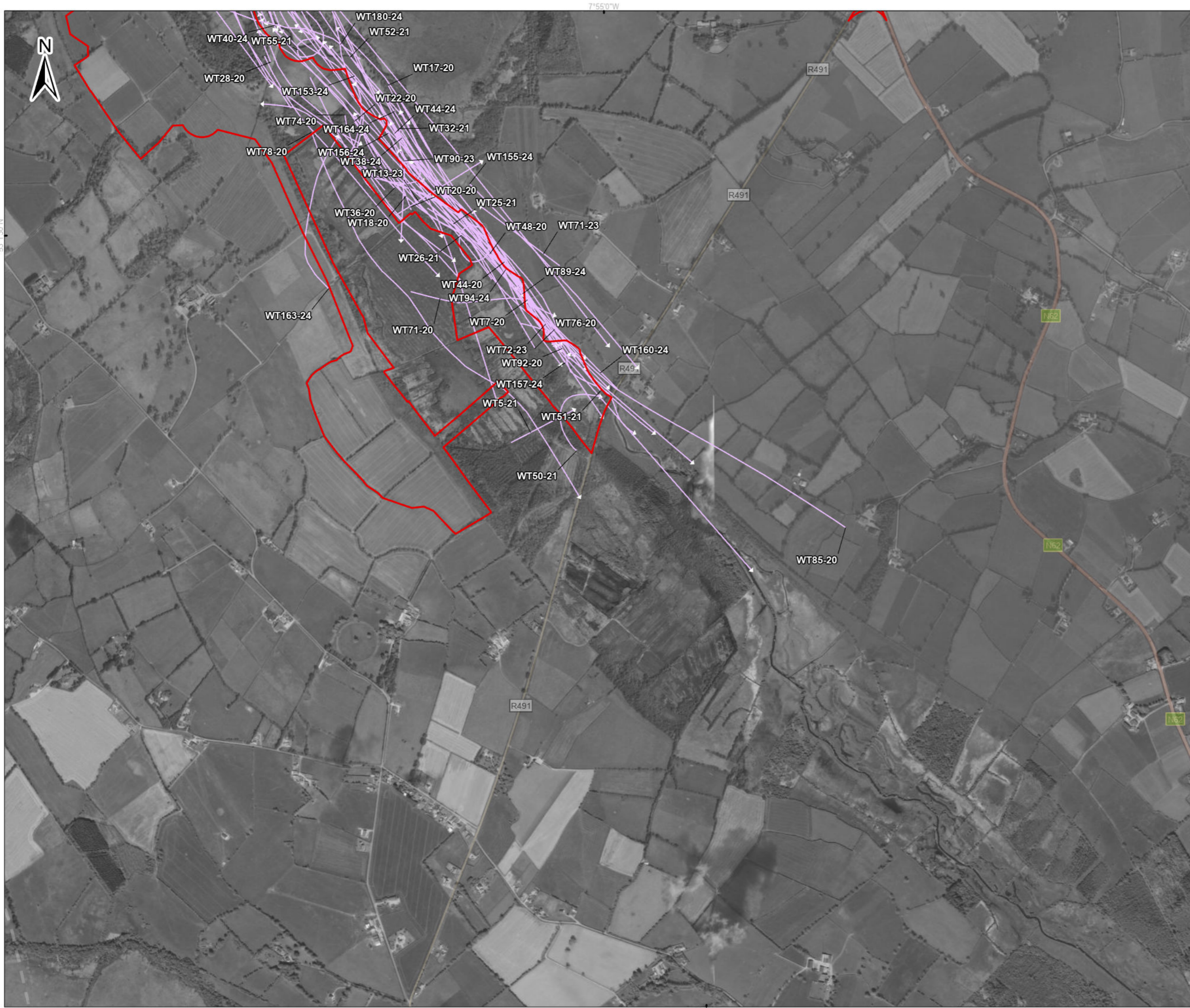
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

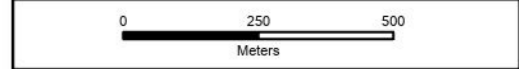
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Map Ref: 11333-004.ApX.BBS-VP-CA-SUM-A Draft: **A**



- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - Ecology Ireland 2020 - 2024
 - Cormorant



Spatial Reference
 Datum: IRENET95
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Rev	Date	Description	By	Chkd.
A	07/04/2026	First issue	K.K	J.S

Client: 

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 18:
 Cormorant observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 3 of 3 -**

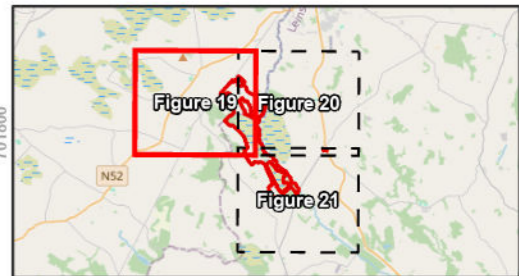
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

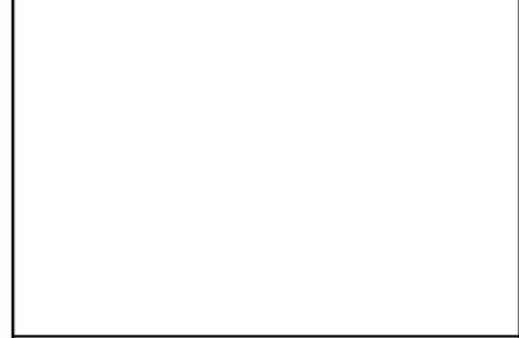
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Map Ref: 11333-004.ApX.BBS-VP-CA-SUM-A Draft: **A**



- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020-2024
 - Point Data - TOBIN 2025/26
- Flightlines - TOBIN 2025/26
- Cormorant
- Flightlines - Ecology Ireland 2020 - 2024
- Cormorant



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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 19:
Cormorant observations
over the survey period
(May 2020 – March 2026)
- Sheet 1 of 3 -**

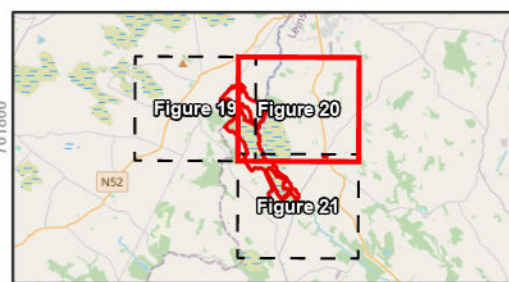
Scale @ A3: 1:15,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

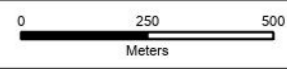
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Map Ref: 11333-004.ApX.WBS-CA-SUM-A Draft: **A**



- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020-2024
 - Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Cormorant
 - Flightlines - Ecology Ireland 2020 - 2024
 - Cormorant



Spatial Reference
 Datum: IRENET95
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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 20:
 Cormorant observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 2 of 3 -**

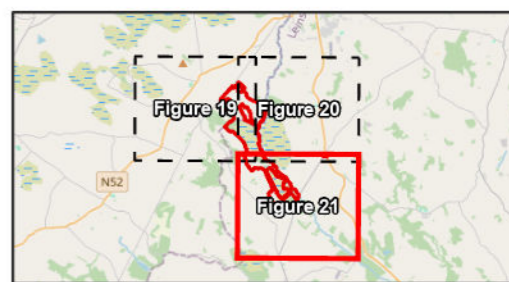
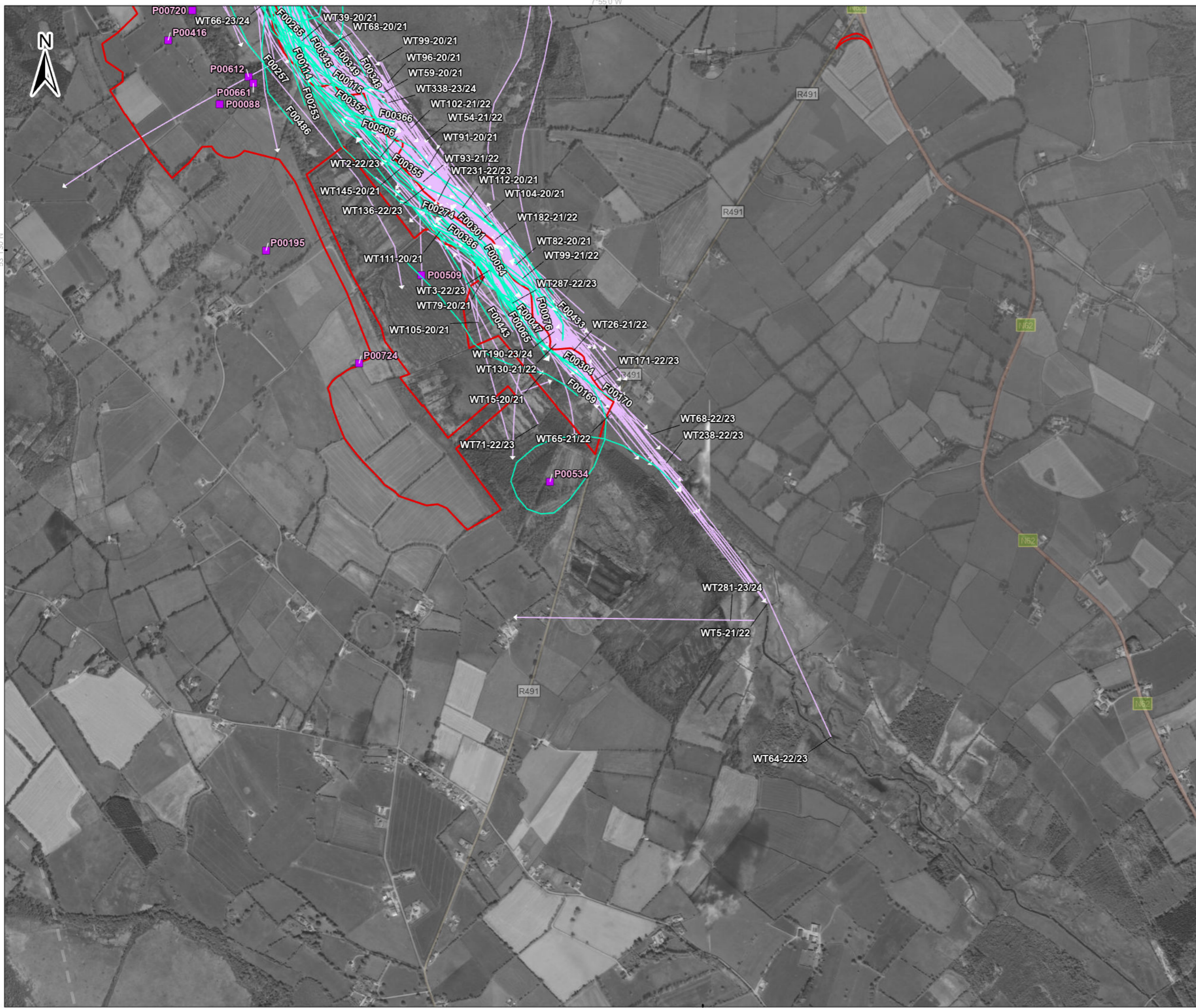
Scale @ A3: 1:15,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

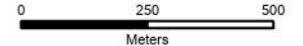
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Map Ref: 11333-004.ApX.WBS-CA-SUM-A Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020-2024
 - Point Data - TOBIN 2025/26
- Flightlines - TOBIN 2025/26**
- Cormorant
- Flightlines - Ecology Ireland 2020 - 2024**
- Cormorant



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A	02/04/2026	First issue	K.K	J.S
Rev	Date	Description	By	Chkd.

Client: **RWE**

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 21: Cormorant observations over the survey period (May 2020 – March 2026) - Sheet 3 of 3 -**

Scale @ A3: 1:15,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Email: info@tobin.ie
www.tobin.ie

Map Ref: 11333-004.ApX.WBS-CA-SUM-A Draft: **A**

53130'N

Appendix 7-1 - VI GOLDEN PLOVER



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WD1-20/21	Wintering	VP, 4	08/10/2020	08:50:00	100	30	100m	30	0
WD3-20/21	Wintering	VP, 5	08/10/2020	10:38:00	15	90	30m	90	0
WD4-20/21	Wintering	VP, 5	08/10/2020	10:45:00	15	15	65m	5	10
WD23-20/21	Wintering	VP, 2	04/12/2020	09:43:00	28	840	100m	0	840
WD28-20/21	Wintering	VP, 4	04/12/2020	12:45:00	20	120	100m	0	120
WD29-20/21	Wintering	VP, 1	04/12/2020	12:58:00	1	130	40m	0	130
WD31-20/21	Wintering	VP, 5	04/12/2020	13:02:00	10	10	62.5m	0	10
WD33-20/21	Wintering	VP, 2	14/01/2021	12:19:00	100	67	45m	0	67
WD35-20/21	Wintering	VP, 1	21/01/2021	10:44:00	50	30	100m	30	0
WD36-20/21	Wintering	VP, 1	21/01/2021	13:25:00	50	60	100m	60	0
N/A	Wintering	VP1	09/02/2021	11:25:00	22	30	15m	-	-
WD39-20/21	Wintering	VP, 4	09/02/2021	14:45:00	150	180	65m	0	180
WD47-20/21	Wintering	VP1	09/02/2021	14:40:00	4	20	15m	20	0
WD41-20/21	Wintering	VP, 4	08/03/2021	11:44:00	120	243	90m	243	0
WD42-20/21	Wintering	VP, 4	08/03/2021	12:14:00	65	270	150m	270	0
WD43-20/21	Wintering	VP, 2	08/03/2021	12:19:00	7	45	125m	10	35
WD44-20/21	Wintering	VP, 4	08/03/2021	12:30:00	25	106	50m	60	46
WD45-20/21	Wintering	VP, 3	08/03/2021	13:56:00	15	48	100m	0	48
WD46-20/21	Wintering	VP, 3	08/03/2021	14:56:00	25	15	100m	0	15
WD7-21/22	Wintering	VP4	14/01/2022	09:26:00	100	154	25m	150	4
WD8-21/22	Wintering	VP4	14/01/2022	09:31:00	50	58	25m	22	36
WD9-21/22	Wintering	VP2	17/01/2022	10:19:00	30	131	100m	0	131
N/A	Wintering	VP5	14/03/2022	12:25:00	450	0	25m	0	Unknown



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WD14-21/22	Wintering	VP3	14/03/2022	13:36:00	300	30	100m	0	30
WD8-22/23	Wintering	VP4	30/11/2022	12:38:00	100	30	62.5m	0	30
WD9-22/23	Wintering	VPA	30/11/2022	12:46:00	20	70	62.5m	0	70
WD16-22/23	Wintering	VPA	20/12/2022	14:35:00	9	51	55m	51	0
WD18-22/23	Wintering	VP3	20/12/2022	14:37:00	6	40	62.5m	40	0
WD32-22/23	Wintering	VP1	27/03/2023	08:44:00	400	240	62.5m	0	240
WD33-22/23	Wintering	VP5	27/03/2023	09:35:00	100	314	55m	0	314
WD34-22/23	Wintering	VPA	27/03/2023	09:43:00	40	46	62.5m	0	46
WD35-22/23	Wintering	VP1, VP5	27/03/2023	10:08:00	22	77	62.5m	35	42
WD36-22/23	Wintering	VP1	27/03/2023	10:09:00	400	6	15m	3	3
WD37-22/23	Wintering	VPA	27/03/2023	10:18:00	60	185	62.5m	0	185
WD38-22/23	Wintering	VP1	27/03/2023	10:25:00	36	180	15m	90	90
WD39-22/23	Wintering	VPA	27/03/2023	10:45:00	21	47	62.5m	0	47
WD41-22/23	Wintering	VPB	27/03/2023	11:01:00	12	20	62.5m	18	2
WD42-22/23	Wintering	VP1	27/03/2023	12:33:00	36	16	15m	6	10
WD43-22/23	Wintering	VP1, JD, (VP5)	27/03/2023	12:50:00	700	1200	15m	0	1200
WD44-22/23	Wintering	VPA	27/03/2023	13:08:00	50	101	62.5m	0	101
WD45-22/23	Wintering	VP1, VP5	27/03/2023	14:30:00	50	360	62.5m	0	360
WD6-23	Breeding	VPA	26/09/2023	10:22:00	300	1200	62.5m	0	1200
WD7-23	Breeding	VPA	26/09/2023	11:17:00	200	600	62.5m	0	600
WD8-23	Breeding	VPA	26/09/2023	11:23:00	30	30	62.5m	0	30
WD12-23/24	Wintering	VP5, VP2	24/10/2023	09:10:00	80	12	60m	0	12
WD17-23/24	Wintering	VPB	24/10/2023	12:45:00	17	70	150m	25	45
WD3-23/24	Wintering	VP2	24/10/2023	09:38:00	40	15	62.5m	10	5



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WD4-23/24	Wintering	VP2	24/10/2023	09:50:00	70	640	62.5m	0	640
WD7-23/24	Wintering	VP3	24/10/2023	09:24:00	16	45	50m	45	0
WD20-23/24	Wintering	VP2	27/11/2023	10:16:00	50	160	62.5m	0	160
WD21-23/24	Wintering	VP2	27/11/2023	10:53:00	50	42	62.5m	0	42
WD22-23/24	Wintering	VP2	27/11/2023	11:02:00	20	53	62.5m	0	53
WD23-23/24	Wintering	VP2	27/11/2023	12:00:00	30	53	62.5m	0	53
WD26-23/24	Wintering	VP5	27/11/2023	10:56:00	150	-	100m	-	-
WD28-23/24	Wintering	VPA	27/11/2023	11:59:00	80	62	75m	0	62
WD29-23/24	Wintering	VPA	27/11/2023	12:03:00	30	56	35m	0	56
WD18-23/24	Wintering	VP3	14/12/2023	10:32:00	50	189	175m	0	189
WD19-23/24	Wintering	VP3	14/12/2023	13:25:00	55	166	100m	0	166
WD35-23/24	Wintering	VP4	11/01/2024	09:10:00	30	30	62.5m	20	10
WD36-23/24	Wintering	VP4	11/01/2024	09:45:00	100	600	100m	0	600
WD37-23/24	Wintering	VP4	11/01/2024	10:25:00	100	100	100m		100
WD38-23/24	Wintering	VP4	11/01/2024	11:05:00	100	70	100m		70
WD39-23/24	Wintering	VP2	25/01/2024	09:04:00	20	30	100m	10	20
WD42-23/24	Wintering	VP3	25/01/2024	09:03:00	25	120	62.5m	0	120
WD43-23/24	Wintering	VP1	23/02/2024	08:54:00	19	80	62.5m	0	80
WD44-23/24	Wintering	VP1	23/02/2024	09:40:00	30	90	62.5m	0	90
WD45-23/24	Wintering	VP1	23/02/2024	13:02:00	300	120	100m+	0	120
WD46-23/24	Wintering	VP1	23/02/2024	13:38:00	250	600	62.5m	0	600
WD48-23/24	Wintering	VPA	26/02/2024	09:45:00	25	120	62.5m	0	120
WD52-23/24	Wintering	VPA	26/02/2024	10:59:00	50	120	62.5m	0	120
WD54-23/24	Wintering	VP3	21/03/2024	09:30:00	200	360	62.5m	0	360
N/A	Wintering	VPA	27/03/2024	14:20:00	10	40	62.5m	-	-



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WD56-23/24	Wintering	VPA	27/03/2024	10:37:00	100	180	100m	0	180
WD57-23/24	Wintering	VPB	27/03/2024	14:37:00	20	48	62.5m	3	55
WD4-24	Breeding	VP4	24/09/2024	09:10:00	8	70	62.5m	70	0
WD6-24	Breeding	VP4	24/09/2024	11:05:00	70	120	100m	60	60

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00091	Winter	VP1	27/11/2025	11:52:00	17	0	0	0	0	36	36
F00094	Winter	VP1	27/11/2025	12:33:00	61	85	61	129	0	0	275
F00099	Winter	VP1	27/11/2025	12:54:00	62	8	23	167	0	0	198
F00105	Winter	VP1	27/11/2025	14:04:00	10	0	0	0	0	65	65
F00133	Winter	VP3	28/11/2025	08:59:00	36	0	0	76	0	0	76
F00138	Winter	VP3	28/11/2025	09:50:00	33	0	6	53	0	0	59
F00143	Winter	VP3	28/11/2025	11:53:00	72	0	45	52	0	0	97
F00156	Winter	VP3	28/11/2025	13:48:00	62	0	0	78	0	0	78
F00176	Winter	VP4	10/12/2025	09:51:00	300	0	0	30	200	0	230
F00242	Winter	VP2	03/12/2025	10:00:00	32	0	0	55	0	0	55
F00252	Winter	VP2	03/12/2025	12:30:00	29	0	0	0	0	71	71
F00259	Winter	VP2	03/12/2025	13:40:00	600	0	0	0	0	352	352
F00269	Winter	VP3	04/12/2025	09:19:00	121	0	0	0	0	59	59



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00312	Winter	VP1	27/01/2026	09:12:00	68	0	0	68	0	0	68
F00320	Winter	VP1	27/01/2026	11:30:00	27	0	0	76	0	0	76
F00322	Winter	VP1	27/01/2026	11:34:00	10	0	0	0	72	0	72
F00359	Winter	VP3	23/01/2026	12:27:00	52	0	0	72	21	0	93
F00371	Winter	VP5	09/02/2026	11:22:00	25	185	0	0	0	0	185
F00408	Winter	VP2	12/02/2026	10:05:00	27	0	0	49	0	0	49
F00449	Winter	VP5	24/02/2026	12:32:00	60	0	25	0	0	0	25
F00465	Winter	VP1	24/02/2026	16:00:00	8	0	0	36	0	0	36
F00478	Winter	VP2	25/02/2026	14:42:00	167	0	0	89	22	0	111
F00502	Winter	VP3	26/02/2026	16:27:00	59	0	0	0	0	69	69
F00519	Winter	VP2	17/02/2026	09:03:00	24	0	0	59	0	0	59
F00521	Winter	VP2	17/02/2026	09:20:00	121	0	0	0	0	89	89
F00527	Winter	VP2	17/02/2026	09:48:00	48	0	0	51	12	0	63
F00529	Winter	VP2	17/02/2026	09:57:00	228	0	0	124	47	0	171
F00530	Winter	VP2	17/02/2026	10:04:00	61	0	20	36	0	0	56
F00531	Winter	VP2	17/02/2026	10:47:00	93	0	0	51	0	0	51
F00539	Winter	VP2	17/02/2026	12:12:00	72	0	0	0	0	48	48
F00543	Winter	VP2	17/02/2026	13:00:00	4	0	54	21	0	0	75
F00545	Winter	VP2	17/02/2026	13:23:00	520	0	0	0	0	64	64
F00546	Winter	VP2	17/02/2026	13:24:00	51	0	0	71	0	0	71

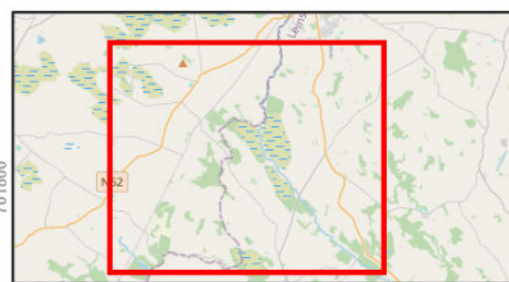
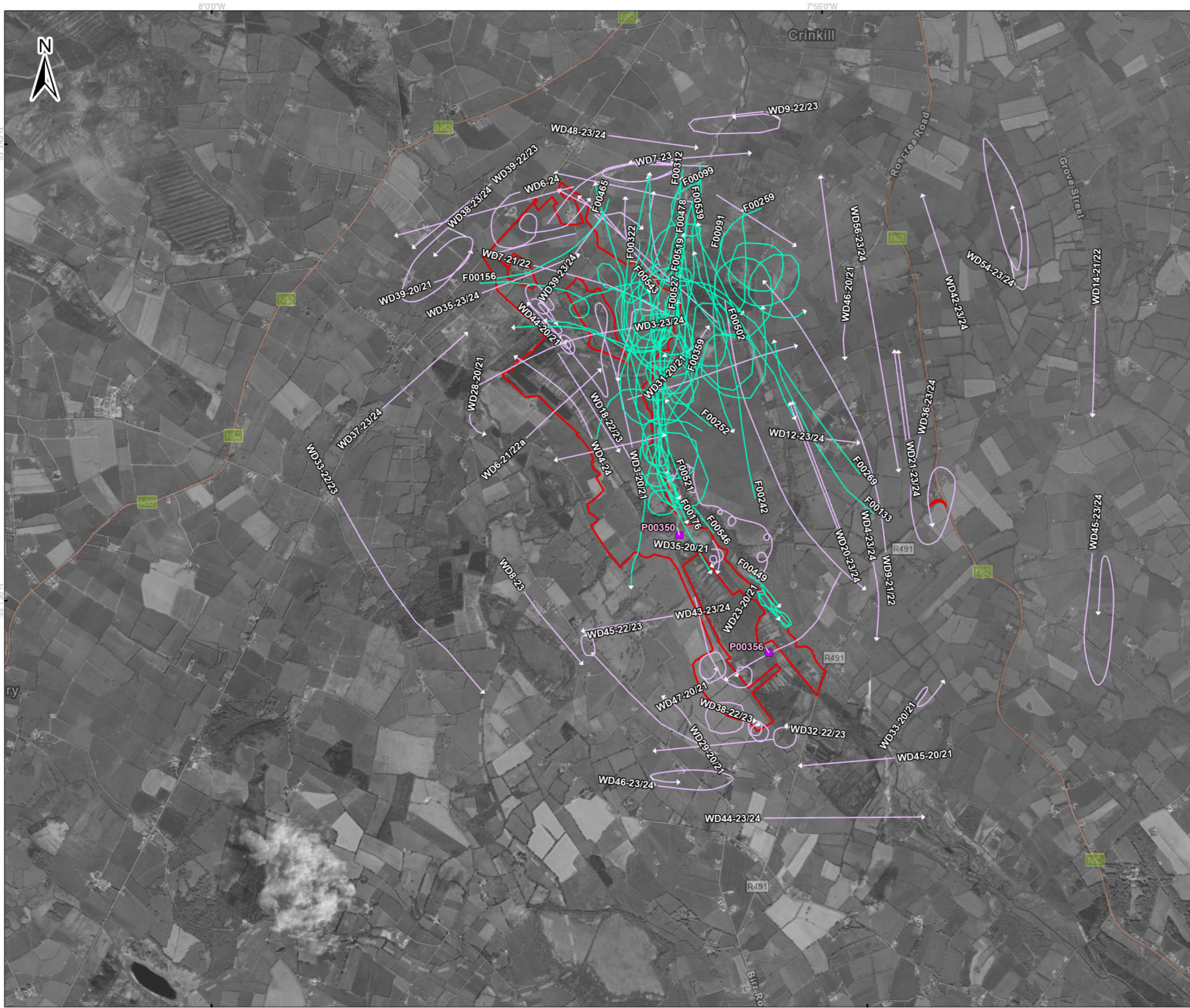


Ecology Ireland Transect Survey																									
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)		
2022/2023	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-
2020/2021	-	-	-	12	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2023/2024	-	-	-	11	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

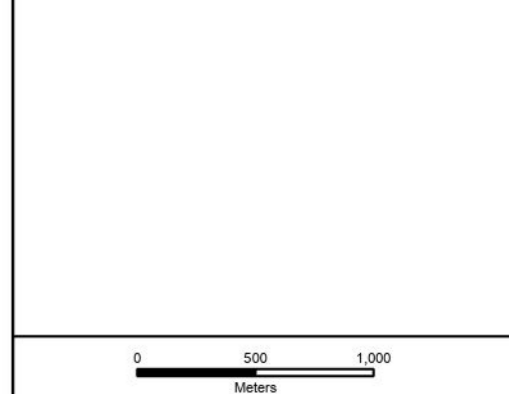
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00350	Winter	Transect	T3	11/12/2025	11:00:00	80	GS4	on ground
P00356	Winter	HH roost	HHVP2	10/12/2025	16:15:00	90	PB4	in flight

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Site 2	15/10/2025	N/A	400	N/A	N/A
Winter	I-WeBS	Little Brosna Callows SPA	26/11/2025	N/A	1700	N/A	N/A
Winter	I-WeBS	Little Brosna Callow Hut	01/12/2025	N/A	2500	N/A	N/A
Winter	I-WeBS	Little Brosna Callow Hut	16/01/2026	N/A	1200	N/A	N/A
Winter	I-WeBS	Little Brosna callow hut	09/02/2026	N/A	4000	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	12/03/2026	N/A	15	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	12/03/2026	N/A	474	N/A	N/A





- Legend**
- Proposed wind farm boundary
 - Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Golden Plover
 - Flightlines - Ecology Ireland 2020 - 2024
 - Golden Plover



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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 Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community.

Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-1, Figure 22:
 Golden Plover observations
 over the survey period
 (May 2020 – March 2026)**

Scale @ A3: 1:32,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-005.ApX-VP-GP-SUM-A Draft: **A**

Appendix 7-1 - VII GREY HERON



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT1-20	Breeding	VP5	28/04/2020	10:12:00	1	180	40m	0	180
WT5-20	Breeding	VP5	28/04/2020	12:22:00	1	-	30m	-	-
WT8-20	Breeding	VP1	28/04/2020	15:18:00	1	20	15m	20	0
WT13-20	Breeding	VP2	14/05/2020	09:21:00	2	20	27.5m	20	0
WT14-20	Breeding	VP3	14/05/2020	09:33:00	2	210	65m	100	110
WT15-20	Breeding	VP4	14/05/2020	09:46:00	1	25	35m	10	15
WT19-20	Breeding	VP1	14/05/2020	10:26:00	1	30	15m	15	15
WT22-20	Breeding	VP2	14/05/2020	10:35:00	1	20	17.5m	4	16
WT30-20	Breeding	VP2	14/05/2020	11:14:00	1	20	20m	20	0
WT33-20	Breeding	VP1	14/05/2020	12:15:00	1	20	15m	20	0
WT42-20	Breeding	VP3	14/05/2020	14:47:00	2	99	45m	0	99
WT43-20	Breeding	VP1	04/06/2020	08:49:00	2	45	7.5m	25	20
WT50-20	Breeding	VP2	04/06/2020	09:46:00	1	22	45m	22	0
WT51-20	Breeding	VP2, VP1	04/06/2020	09:59:00	2	58	17.5m	58	0
WT58-20	Breeding	VP4, VP3	04/06/2020	12:05:00	1	345	97.5m	300	45
WT61-20	Breeding	VP1	04/06/2020	12:19:00	1	5	5m	5	0
WT65-20	Breeding	VP4	04/06/2020	12:38:00	1	40	20m	40	0
WT67-20	Breeding	VP4	04/06/2020	13:24:00	1	70	22.5m	15	55
N/A	Breeding	VP3	10/07/2020	14:25:00	2	10	30m	10	0
WT79-20	Breeding	VP3	10/07/2020	09:29:00	2	120	22.5m	120	0
WT88-20	Breeding	VP5	10/07/2020	11:26:00	1	15	15m	0	15
WT30-20/21	Wintering	VP, 1	08/10/2020	14:24:00	1	10	4m	0	10
WT35-20/21	Wintering	VP, 3	05/11/2020	09:45:00	1	25	12.5m	5	20



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT88-20/21	Wintering	VP, 2, VP, 1	04/12/2020	14:25:00	1	40	80m	25	15
WT150-20/21	Wintering	VP3	14/01/2021	11:13:00	1	65	15m	0	65
WT152-20/21	Wintering	VP3	14/01/2021	13:08:00	1	40	10m	20	20
WT108-20/21	Wintering	VP, 1	21/01/2021	09:32:00	1	60	10m	60	0
WT109-20/21	Wintering	VP, 1	21/01/2021	11:22:00	1	10	15m	10	0
WT110-20/21	Wintering	VP, 1	21/01/2021	11:37:00	1	30	10m	30	0
WT155-20/21	Wintering	VP1	09/02/2021	09:50:00	1	15	15m	15	0
WT156-20/21	Wintering	VP1	09/02/2021	10:05:00	1	20	15m	18	2
WT128-20/21	Wintering	VP, 3	08/03/2021	10:25:00	1	66	17.5m	66	0
WT147-20/21	Wintering	VP, 2	08/03/2021	15:05:00	1	90	42.5m	0	90
WT10-21	Breeding	VP3	23/04/2021	12:42:00	1	25	20m	10	15
WT12-21	Breeding	VP3	23/04/2021	14:24:00	1	15	20m	5	10
WT18-21	Breeding	VP5	23/04/2021	11:35:00	1	30	17.5m	10	20
WT19-21	Breeding	VP5	23/04/2021	12:45:00	1	20	17.5m	5	15
WT2-21	Breeding	VP2	23/04/2021	10:08:00	1	40	25m	40	0
WT6-21	Breeding	VP2	23/04/2021	12:36:00	2	23	10m	23	0
WT7-21	Breeding	VP2	23/04/2021	14:26:00	1	62	12.5m	62	0
WT8-21	Breeding	VP2	23/04/2021	14:26:00	1	42	12.5m	42	0
WT42-21	Breeding	VP1	14/06/2021	10:32:00	1	10	62.5m	0	10
WT46-21	Breeding	VP1	18/08/2021	09:00:00	1	201	40m	120	81
WT48-21	Breeding	VP1, VP2, VP4	18/08/2021	10:45:00	4	216	90m	60	156
WT49-21	Breeding	VP1, VP2	18/08/2021	11:10:00	2	45	40m	10	35
WT23-21/22	Wintering	VP1	23/11/2021	12:53:00	1	228	5m	114	114



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT68-21/22	Wintering	VP3	02/12/2021	14:30:00	1	30	5m	30	0
WT159-21/22	Wintering	VP3	10/02/2022	14:18:00	1	280	25m	0	280
WT191-21/22	Wintering	VP4, VP5	14/03/2022	09:02:00	2	108	20m	63	45
WT193-21/22	Wintering	VP5	14/03/2022	09:23:00	2	59	25m	0	59
WT194-21/22	Wintering	VP2	14/03/2022	09:44:00	1	73	30m	60	13
WT200-21/22	Wintering	VP1, VP2	14/03/2022	10:52:00	1	96	20m	6	90
WT1-22/23	Wintering	VP1	28/11/2022	09:25:00	1	5	7.5m	0	5
WT36-22/23	Wintering	VPA	30/11/2022	10:54:00	2	300	2.5m	300	0
WT47-22/23	Wintering	VP4, VP3	30/11/2022	11:45:00	1	60	62.5m	4	56
WT100-22/23	Wintering	VPB	20/12/2022	11:59:00	1	9	2.5m	3	6
WT109-22/23	Wintering	VPA	20/12/2022	13:07:00	1	10	10m	5	5
WT112-22/23	Wintering	VPB	20/12/2022	13:47:00	1	3	2.5m	3	0
WT116-22/23	Wintering	VPB	20/12/2022	14:27:00	2	17	2.5m	8	9
WT118-22/23	Wintering	VPA	20/12/2022	14:34:00	1	20	5m	0	20
WT121-22/23	Wintering	VPB	20/12/2022	14:36:00	1	720	2.5m	0	720
WT92-22/23	Wintering	VP3	20/12/2022	11:03:00	1	10	2.5m	0	10
WT123-22/23	Wintering	VP2	21/12/2022	08:53:00	2	22	5m	22	0
WT125-22/23	Wintering	VP2	21/12/2022	09:25:00	1	3	7.5m	3	0
WT140-22/23	Wintering	VP1	21/12/2022	13:00:00	1	2	15m	2	0
WT144-22/23	Wintering	VP1	21/12/2022	13:13:00	1	25	15m	15	10
WT267-22/23	Wintering	VP2	25/01/2023	12:20:00	2	120	0m		120
WT288-22/23	Wintering	VP1	25/01/2023	12:30:00	1	60	10m	0	60
WT299-22/23	Wintering	VP5	25/01/2023	14:42:00	1	30	20m		
WT244-22/23	Wintering	VPA	27/01/2023	10:10:00	1	60	2.5m		60
WT252-22/23	Wintering	VPA	27/01/2023	15:11:00	1	18	25m	9	9



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT277-22/23	Wintering	VP3, VPB	27/01/2023	11:39:00	2	114	45m	104	10
WT155-22/23	Wintering	VP4	20/02/2023	09:20:00	1	10	5m	0	10
WT157-22/23	Wintering	VPA	20/02/2023	09:38:00	1	15	15m	15	0
WT158-22/23	Wintering	VP3, VP2	20/02/2023	09:41:00	1	36	15m	20	16
WT159-22/23	Wintering	VP1	20/02/2023	09:46:00	1	5	25m	0	5
WT163-22/23	Wintering	VP2, VP3, VP1	20/02/2023	10:39:00	1	192	62.5m	0	192
WT164-22/23	Wintering	VP1	20/02/2023	10:40:00	1	50	60m	0	50
WT165-22/23	Wintering	VPA	20/02/2023	10:45:00	1	58	50m	5	53
WT170-22/23	Wintering	VP4	20/02/2023	12:03:00	1	20	5m	16	4
WT174-22/23	Wintering	VP2	20/02/2023	12:43:00	1	164	62.5m	110	54
WT182-22/23	Wintering	VPA	27/03/2023	08:42:00	2	7200	2.5m	7200	0
WT185-22/23	Wintering	VP1	27/03/2023	08:57:00	1	90	62.5m	0	90
WT186-22/23	Wintering	VP1	27/03/2023	08:57:00	1	90	15m	0	90
WT198-22/23	Wintering	VP1	27/03/2023	09:51:00	1	7	2.5m	7	0
WT207-22/23	Wintering	VP1	27/03/2023	10:29:00	1	23	2.5m	15	8
WT210-22/23	Wintering	VP2	27/03/2023	10:42:00	1	12	25m	12	0
WT211-22/23	Wintering	VPB	27/03/2023	10:44:00	1	20	15m	20	0
WT216-22/23	Wintering	VP1, VP2	27/03/2023	11:09:00	1	370	2.5m	370	0
WT222-22/23	Wintering	VP2	27/03/2023	11:28:00	1	5	15m	3	2
WT230-22/23	Wintering	VP2	27/03/2023	13:45:00	1	19	20m	19	0
WT235-22/23	Wintering	VP2	27/03/2023	14:48:00	2	25	40m	25	0
WT147-23	Breeding	VP5	01/05/2023	11:01:00	1	40	37.5m	15	25
WT2-23	Breeding	VPB	01/05/2023	09:32:00	1	39	15m	0	39
WT11-23	Breeding	VPA	02/05/2023	12:46:00	1	25	15m	25	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT12-23	Breeding	VPA, VP3	02/05/2023	13:11:00	1	353	62.5m	75	278
WT15-23	Breeding	VP1	02/05/2023	14:20:00	2	24	8m	20	4
WT6-23	Breeding	VPA	02/05/2023	09:35:00	1	125	15m	62	63
WT9-23	Breeding	VPA	02/05/2023	11:31:00	1	16	15m	16	0
N/A	Breeding	VP2	03/05/2023	14:10:00	1	0	-	-	-
WT24-23	Breeding	VP2	23/06/2023	12:19:00	1	52	62.5m	0	52
WT27-23	Breeding	VP2	23/06/2023	14:35:00	1	251	62.5m	0	251
N/A	Breeding	VP5	20/07/2023	11:31:00	1	0	2.5m	-	-
WT37-23	Breeding	VPA	20/07/2023	09:17:00	3	52	2.5m	52	0
WT58-23	Breeding	VPB	27/07/2023	09:18:00	1	163	15m	73	90
WT60-23	Breeding	VP1	27/07/2023	09:37:00	1	3	2.5m	0	3
WT61-23	Breeding	VP1, VP2	27/07/2023	09:39:00	1	29	15m	14	15
WT63-23	Breeding	VP1	27/07/2023	10:45:00	1	14	15m	4	10
N/A	Breeding	VP2	28/08/2023	09:37:00	1	0	-	-	-
WT101-23	Breeding	VP3, VP5	28/08/2023	10:48:00	1	70	15m	70	0
WT102-23	Breeding	VP1	28/08/2023	10:57:00	1	18	15m	16	2
WT110-23	Breeding	VP1	28/08/2023	12:52:00	1	14	55m	14	0
WT122-23	Breeding	VP1	28/08/2023	14:15:00	1	54	30m	40	14
WT81-23	Breeding	VP2	28/08/2023	09:47:00	1	27	20m	27	0
WT86-23	Breeding	VPA	28/08/2023	09:06:00	2	87	10m	0	87
WT95-23	Breeding	VP4	28/08/2023	10:28:00	1	5	20m	0	5
WT141-23	Breeding	VP3	26/09/2023	13:19:00	1	12	4m	12	0
WT142-23	Breeding	VPA	26/09/2023	13:28:00	1	10	2.5m	10	0
WT11-23/24	Wintering	VP2	24/10/2023	13:45:00	1	20	2.5m	0	20
WT18-23/24	Wintering	VP3	24/10/2023	10:33:00	1	20	30m	20	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT20-23/24	Wintering	VP3	24/10/2023	14:01:00	1	40	35m	30	10
WT36-23/24	Wintering	VP4	24/10/2023	11:01:00	1	24	62.5m	0	24
WT38-23/24	Wintering	VP4	24/10/2023	12:26:00	1	26	15m	6	20
WT61-23/24	Wintering	VPB	24/10/2023	10:59:00	1	118	10m	90	28
N/A	Wintering	VPB	20/12/2023	10:36:00	1	1	2.5m	-	-
WT148-23/24	Wintering	VP1	20/12/2023	12:55:00	1	5	10m	0	5
WT154-23/24	Wintering	VP3	20/12/2023	09:05:00	1	91	12.5m	91	0
WT155-23/24	Wintering	VP3	20/12/2023	09:25:00	1	97	10m	97	0
WT161-23/24	Wintering	VP3	20/12/2023	14:01:00	1	10	10m	10	0
WT164-23/24	Wintering	VPA	20/12/2023	08:38:00	2	21600	2.5m	21600	0
WT202-23/24	Wintering	VP1	25/01/2024	13:50:00	1	142	15m	0	142
WT203-23/24	Wintering	VP1	25/01/2024	13:57:00	1	43	15m	43	0
WT212-23/24	Wintering	VP2	25/01/2024	14:00:00	1	120	-	0	120
WT225-23/24	Wintering	VP3	25/01/2024	13:47:00	3	252	62.5m	52	200
WT227-23/24	Wintering	VP3	25/01/2024	14:48:00	1	85	62.5m	85	0
WT232-23/24	Wintering	VP4	25/01/2024	13:56:00	1	10	35m	10	0
WT239-23/24	Wintering	VP5	29/01/2024	13:50:00	3	55	62.5m	0	55
WT266-23/24	Wintering	VPA	02/02/2024	11:25:00	1	25	15m	18	7
WT271-23/24	Wintering	VPA	02/02/2024	12:54:00	2	20	2.5m	15	5
WT276-23/24	Wintering	VP1	23/02/2024	08:53:00	1	44	62.5m	0	44
WT282-23/24	Wintering	VP2, VP1	23/02/2024	09:43:00	1	139	62.5m	69	70
WT283-23/24	Wintering	VP1	23/02/2024	09:50:00	2	35	15m	0	35
WT284-23/24	Wintering	VP1	23/02/2024	09:52:00	1	44	62.5m	0	44
WT285-23/24	Wintering	VP1	23/02/2024	10:09:00	1	12	2.5m	0	12
WT291-23/24	Wintering	VP2	23/02/2024	08:32:00	1	107	62.5m	70	37



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT293-23/24	Wintering	VP2	23/02/2024	08:45:00	3	208	62.5m	104	104
WT294-23/24	Wintering	VP2	23/02/2024	11:10:00	1	2	5m - 25m	0	2
WT308-23/24	Wintering	VPA	26/02/2024	08:54:00	1	21600	2.5m	21600	0
WT317-23/24	Wintering	VPB	26/02/2024	10:01:00	1	10	2.5m	0	10
WT327-23/24	Wintering	VP1, VP2	21/03/2024	11:00:00	4	45	20m	5	40
WT331-23/24	Wintering	VP1	21/03/2024	12:41:00	1	73	62.5m	0	73
WT332-23/24	Wintering	VP2, VP1	21/03/2024	12:52:00	1	161	62.5m	5	156
WT336-23/24	Wintering	VP1	21/03/2024	09:52:00	2	4	30m	4	0
WT346-23/24	Wintering	VP3	21/03/2024	08:56:00	1	27	15m	24	3
WT348-23/24	Wintering	VP3	21/03/2024	09:16:00	1	29	62.5m	25	4
WT351-23/24	Wintering	VP3	21/03/2024	09:28:00	2	52	15m	26	26
WT360-23/24	Wintering	VP3	21/03/2024	11:01:00	4	60	62.5m	60	0
WT361-23/24	Wintering	VP3	21/03/2024	11:24:00	5	21	15m	21	
WT364-23/24	Wintering	VP3	21/03/2024	11:55:00	1	20	62.5m	20	0
WT367-23/24	Wintering	VP3	21/03/2024	12:50:00	1	120	62.5m	60	60
WT370-23/24	Wintering	VP3	21/03/2024	13:03:00	1	46	62.5m	40	6
WT371-23/24	Wintering	VP3	21/03/2024	13:27:00	1	50	62.5m	25	25
WT373-23/24	Wintering	VP3	21/03/2024	13:58:00	1	20	62.5m	12	8
WT375-23/24	Wintering	VP4	27/03/2024	09:09:00	2	8	10m	2	6
WT385-23/24	Wintering	VPA	27/03/2024	09:30:00	1	30	2.5m	0	30
WT397-23/24	Wintering	VPA, VPB	27/03/2024	14:17:00	4	120	62.5m	0	120
WT401-23/24	Wintering	VPB	27/03/2024	09:27:00	1	55	62.5m	0	55
WT406-23/24	Wintering	VPB	27/03/2024	11:51:00	1	56	62.5m	0	56
WT1-24	Breeding	VPA	28/05/2024	10:15:00	1	10	6m	5	5



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT13-24	Breeding	VPA	28/05/2024	13:48:00	1	32	10m	32	0
WT15-24	Breeding	VPA	28/05/2024	15:01:00	1	72	10m	30	42
WT3-24	Breeding	VPA	28/05/2024	10:21:00	1	8	5m	8	0
WT22-24	Breeding	VP4	29/05/2024	11:57:00	1	120	22.5m	90	30
N/A	Breeding	VP1	31/05/2024	10:40:00	1	Unknown	0m	-	-
WT28-24	Breeding	VP2	31/05/2024	10:04:00	1	12	62.5m	12	0
WT29-24	Breeding	VP2	31/05/2024	10:16:00	1	204	100m	0	204
WT31-24	Breeding	VP1	31/05/2024	10:43:00	1	900	2.5m	900	0
WT32-24	Breeding	VP2	31/05/2024	10:47:00	1	10	2.5m	10	0
WT34-24	Breeding	VP1	31/05/2024	11:25:00	1	120	17.5m	120	0
WT35-24	Breeding	VP2	31/05/2024	12:10:00	1	6	15m	6	0
WT36-24	Breeding	VP3	31/05/2024	12:12:00	1	42	32.5m	42	0
WT37-24	Breeding	VP2	31/05/2024	12:52:00	1	9	62.5m	9	0
WT41-24	Breeding	VP1, VP2	31/05/2024	13:27:00	1	143	62.5m	120	23
WT42-24	Breeding	VP2	31/05/2024	13:38:00	1	14	62.5m	0	14
WT43-24	Breeding	VP2	31/05/2024	14:19:00	1	176	62.5m	0	176
WT45-24	Breeding	VP1	31/05/2024	14:35:00	1	Unknown	2.5m	Unknown	Unknown
WT48-24	Breeding	VP3	24/06/2024	08:59:00	1	154	2.5m	154	0
WT49-24	Breeding	VP3	24/06/2024	09:02:00	1	27	15m	24	3
WT55-24	Breeding	VPB, VP3	24/06/2024	10:22:00	1	102	40m	90	12
WT70-24	Breeding	VPA	27/06/2024	10:10:00	1	40	62.5m	35	5
WT71-24	Breeding	VPA	27/06/2024	10:15:00	2	20	15m	20	0
WT74-24	Breeding	VPA	27/06/2024	13:20:00	1	10	2.5m	10	0
WT75-24	Breeding	VPA	27/06/2024	13:39:00	1	90	62.5m	0	90
WT76-24	Breeding	VPA	27/06/2024	13:50:00	1	15	2.5m	15	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT77-24	Breeding	VPA	27/06/2024	13:51:00	1	60	62.5m	60	0
WT80-24	Breeding	VP1	24/07/2024	09:58:00	1	16	2.5m	14	2
WT84-24	Breeding	VP3	24/07/2024	10:46:00	1	30	25m	30	0
WT85-24	Breeding	VP3	24/07/2024	11:08:00	1	55	30m	45	10
WT92-24	Breeding	VP4	24/07/2024	12:07:00	1	65	62.5m	30	35
WT102-24	Breeding	VPA	29/07/2024	11:47:00	1	6	2.5m	6	0
WT98-24	Breeding	VPA	29/07/2024	09:24:00	1	60	7.5m	60	0
WT128-24	Breeding	VP4	23/08/2024	14:34:00	1	22	40m	0	22
WT133-24	Breeding	VP1	28/08/2024	09:00:00	1	60	2.5m	60	0
WT136-24	Breeding	VP1	28/08/2024	09:15:00	1	10	2.5m	10	0
WT161-24	Breeding	VP1	23/09/2024	14:07:00	1	30	10m	5	25
WT162-24	Breeding	VP2	23/09/2024	14:29:00	1	11	4m	11	0
WT170-24	Breeding	VP5, VP3	24/09/2024	09:46:00	1	39	20m	15	24
WT177-24	Breeding	VP3	24/09/2024	11:32:00	1	55	30m	0	55
WT183-24	Breeding	VP5	24/09/2024	12:34:00	1	74	2.5m	0	74

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00043	Winter	VP4	16/10/2025	14:27:00	1	47	0	0	0	0	47
F00046	Winter	VP4	16/10/2025	17:17:00	1	10	28	0	0	0	38



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00049	Winter	VP5	17/10/2025	10:58:00	1	0	0	0	258	0	258
F00050	Winter	VP5	17/10/2025	11:45:00	1	0	10	45	0	0	55
F00066	Winter	VP5	19/11/2025	10:36:00	1	29	20	0	0	0	49
F00074	Winter	VP5	19/11/2025	14:52:00	1	27	0	0	0	0	27
F00281	Winter	VP3	04/12/2025	12:40:00	1	13	0	0	0	0	13
F00302	Winter	VP5	14/01/2026	09:47:00	1	15	0	0	0	0	15
F00303	Winter	VP5	14/01/2026	11:12:00	1	10	25	0	0	0	35
F00321	Winter	VP1	27/01/2026	11:31:00	2	21	0	0	0	0	21
F00358	Winter	VP3	23/01/2026	12:23:00	1	0	22	0	0	0	22
F00372	Winter	VP5	09/02/2026	11:30:00	2	20	0	0	0	0	20
F00377	Winter	VP5	09/02/2026	15:40:00	1	18	0	0	0	0	18
F00392	Winter	VP4	11/02/2026	11:38:00	1	19	0	0	0	0	19
F00406	Winter	VP2	12/02/2026	09:40:00	1	0	21	0	0	0	21
F00413	Winter	VP2	12/02/2026	11:42:00	3	13	0	0	0	0	13
F00427	Winter	VP4	23/02/2026	12:58:00	1	26	0	0	0	0	26
F00428	Winter	VP4	23/02/2026	13:47:00	1	31	0	0	0	0	31
F00429	Winter	VP4	23/02/2026	14:07:00	1	21	0	0	0	0	21
F00432	Winter	VP4	23/02/2026	16:44:00	1	0	44	0	0	0	44
F00434	Winter	VP4	23/02/2026	17:15:00	1	0	0	0	48	0	48
F00450	Winter	VP5	24/02/2026	12:50:00	1	19	20	0	0	0	39
F00453	Winter	VP1	24/02/2026	13:10:00	1	0	29	0	0	0	29
F00460	Winter	VP1	24/02/2026	14:50:00	1	0	31	0	0	0	31
F00468	Winter	VP1	24/02/2026	17:44:00	1	0	0	27	0	0	27
F00483	Winter	VP2	25/02/2026	16:55:00	1	7	0	0	0	0	7
F00484	Winter	VP2	25/02/2026	16:56:00	1	30	0	0	0	0	30



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00491	Winter	VP3	26/02/2026	13:44:00	1	0	15	0	0	0	15
F00500	Winter	VP3	26/02/2026	16:07:00	1	37	0	0	0	0	37
F00525	Winter	VP2	17/02/2026	09:37:00	2	0	0	44	32	0	76
F00537	Winter	VP2	17/02/2026	11:17:00	2	24	0	0	0	0	24
F00542	Winter	VP2	17/02/2026	12:42:00	1	0	16	0	0	0	16

Ecology Ireland Transect Survey																								
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)	
2020	-	1	-	-	-	-	1	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
2022/2023	-	-	-	1	1	-	1	-	-	1	-	-	-	-	1	-	-	1	1	-	-	-	1	-
2020/2021	-	-	-	1	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
2023	-	1	-	-	-	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	1	-	1	-
2023/2024	-	-	-	1	1	-	1	1	-	1	-	-	-	-	1	1	1	1	1	-	2	1	1	-
2024	-	1	-	-	1	-	-	1	-	1	-	-	-	-	1	1	-	-	-	-	-	-	1	-

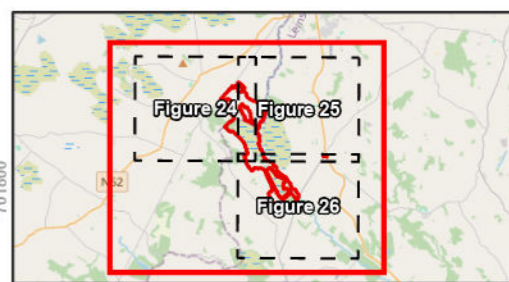
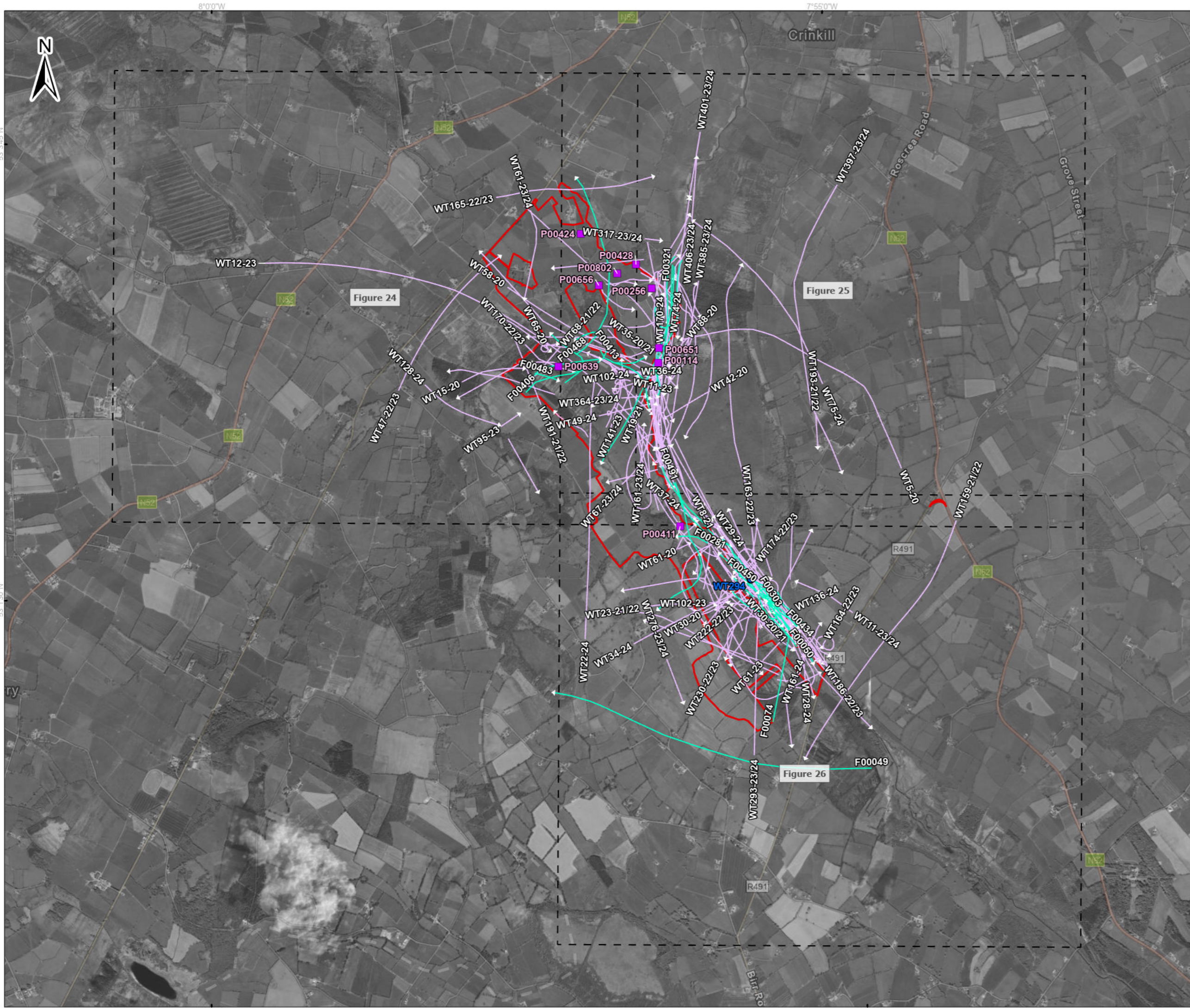
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00114	Winter	Transect	T6	14/10/2025	12:51:00	1	N/A	in flight
P00256	Winter	Transect	T2,5,6	24/11/2025	12:14:00	1	GA1	on ground
P00411	Winter	VP	VP3	04/12/2025	08:29:00	1	N/A	N/A



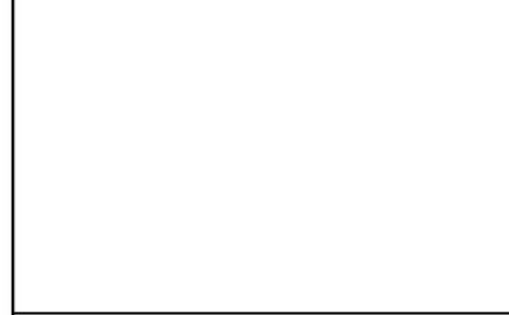
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00424	Winter	Transect	T2, T5, T6	05/12/2025	09:22:00	1	GA1	in flight
P00428	Winter	Transect	T2, T5, T6	05/12/2025	10:27:00	4	GS4	in flight
P00639	Winter	HH roost	HHVP1	11/02/2026	17:07:00	1	PB1	N/A
P00651	Winter	Transect	T1, T3, T4	11/02/2026	12:46:00	1	GA1	N/A
P00656	Winter	Transect	T1, T3, T4	11/02/2026	14:00:00	1	FW4	N/A
P00802	Winter	Transect	T6	13/03/2026	15:15:00	1	GA1	Foraging

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Site 10	15/10/2025	N/A	1	N/A	N/A
Winter	I-WeBS	Site 13	15/10/2025	N/A	1	N/A	N/A
Winter	I-WeBS	New bridge Callows	26/11/2025	N/A	1	N/A	N/A
Winter	I-WeBS	Dovegrove Callows	01/12/2025	N/A	2	N/A	N/A
Winter	I-WeBS	R492 Bridge	01/12/2025	N/A	1	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	01/12/2025	N/A	1	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	01/12/2025	N/A	1	N/A	N/A
Winter	I-WeBS	Glasderry More bridge	01/12/2025	N/A	1	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	16/01/2026	N/A	2	N/A	N/A
Winter	I-WeBS	Ashton callow hut	09/02/2026	N/A	2	N/A	N/A





- Legend**
- ▭ Proposed wind farm boundary
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - TOBIN 2025/26**
 - Grey Heron
 - Flightlines - Ecology Ireland 2020 - 2024**
 - Grey Heron



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A	02/04/2026	First issue	K.K.	J.S.
Rev	Date	Description	By	Chkd.

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 23:
Grey Heron observations
over the survey period
(May 2020 – March 2026)
Overview**

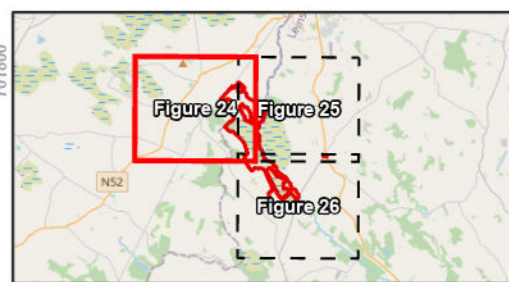
Scale @ A3: 1:32,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-006.ApX-VP-H.-SUM-A_overview Draft: **A**



- Legend**
- Proposed wind farm boundary
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - TOBIN 2025/26
 - Grey Heron
 - Grey Heron



Spatial Reference Datum: IRENET95 EPSG: 2157	Copyrights: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community.
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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

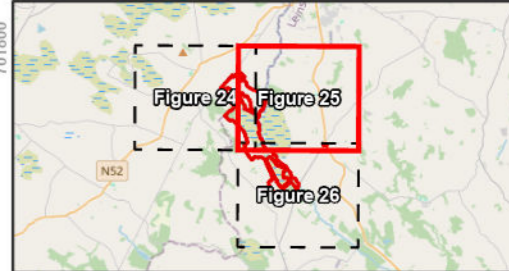
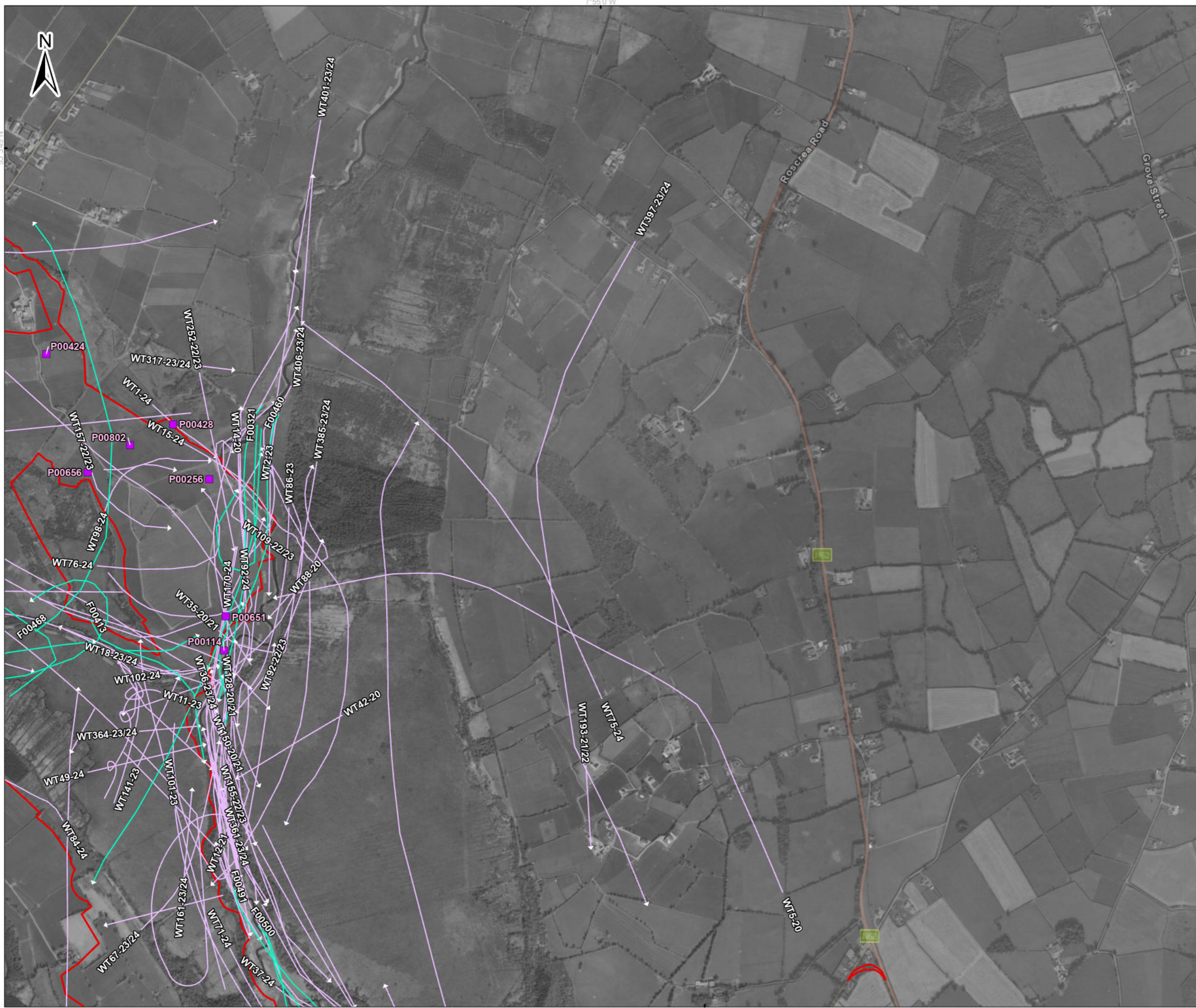
Title: **Appendix 7-I, Figure 24:
Grey Heron observations
over the survey period
(May 2020 – March 2026)
- Sheet 1 of 3 -**

Scale @ A3:	1:14,000
Prepared by:	Checked by: Date:
K.Kale	J.Sherry April 2026

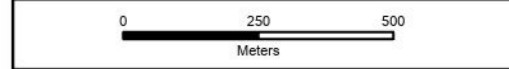
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Map Ref:	Draft:
11333-006.ApX-VP-H.-SUM-A	A



- Legend**
- Proposed wind farm boundary
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
- Flightlines - TOBIN 2025/26**
- Grey Heron
- Flightlines - Ecology Ireland 2020 - 2024**
- Grey Heron



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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client: **RWE**

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 25:
 Grey Heron observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 2 of 3 -**

Scale @ A3: 1:14,000

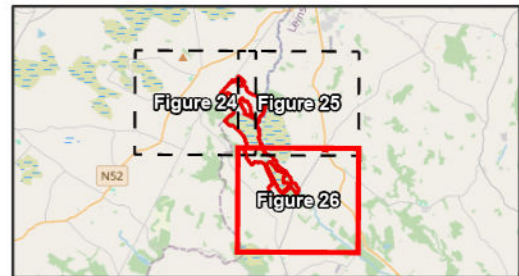
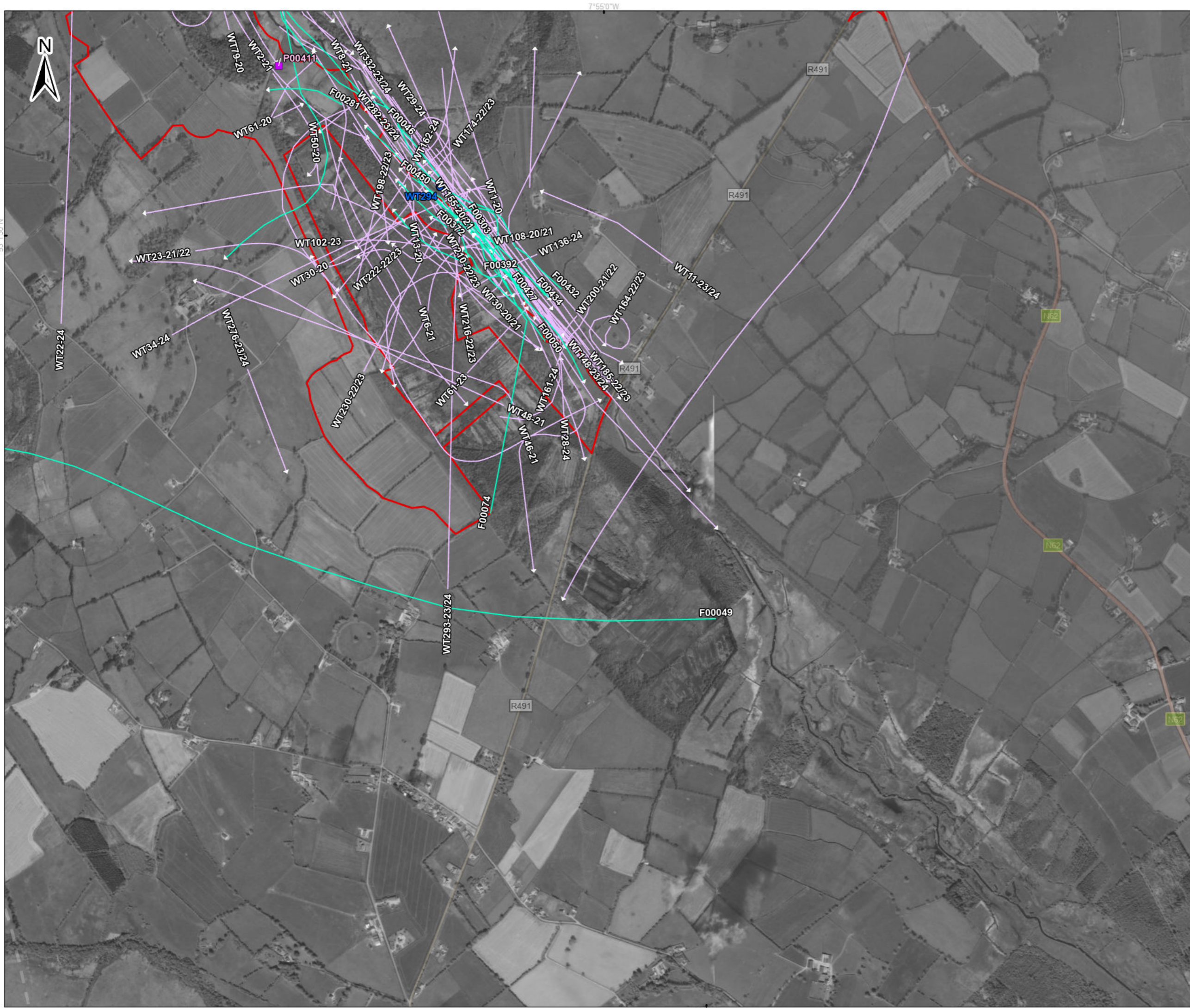
Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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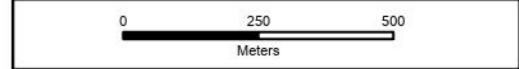
Tel: +353-(0)1-8030406
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Map Ref: 11333-006.ApX-VP-H.-SUM-A Draft: **A**



- Legend**
- ▭ Proposed wind farm boundary
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - TOBIN 2025/26
 - Grey Heron
 - Flightlines - Ecology Ireland 2020 - 2024
 - Grey Heron



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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client: 

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 26:
 Grey Heron observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 3 of 3 -**

Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-006.ApX-VP-H.-SUM-A Draft: **A**

Appendix 7-1 - VIII HEN HARRIER



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP87-20/21	Wintering	VP, 3	04/12/2020	12:44:00	1	50	2.5m	50	0
RP88-20/21	Wintering	VP, 2, VP, 1	04/12/2020	12:59:00	1	164	25m	120	44
RP4-22/23	Wintering	VP1, VP2	28/11/2022	11:19:00	1	489	100m	97	392
RP20-22/23	Wintering	VP4	30/11/2022	11:33:00	1	30	2.5m	0	30
RP52-22/23	Wintering	VPA	20/12/2022	14:48:00	1	77	15m	30	47
RP197-23	Breeding	VP1	27/07/2023	14:26:00	1	8	2.5m	0	8
RP199-23	Breeding	VP2, VP1	27/07/2023	14:37:00	1	86	5m	86	0
RP200-23	Breeding	VP2, VP1	27/07/2023	14:46:00	1	502	5m	502	0
RP201-23	Breeding	VP2	27/07/2023	15:11:00	1	685	2.5m	450	235
RP7-23/24	Wintering	VP3	24/10/2023	09:50:00	1	130	15m	130	0
RP76-23/24	Wintering	VP2	20/12/2023	12:46:00	1	5	35m	5	0
RP94-23/24	Wintering	VP1	25/01/2024	11:06:00	1	129	2.5m	60	69
RP140-23/24	Wintering	VP2, VP1	23/02/2024	12:41:00	1	20	2.5m	20	0

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00295	Winter	VP4	12/01/2026	11:26:00	1	15	7	0	0	0	22

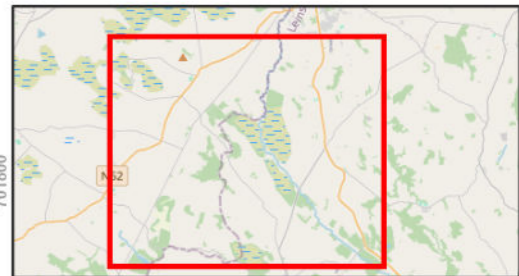
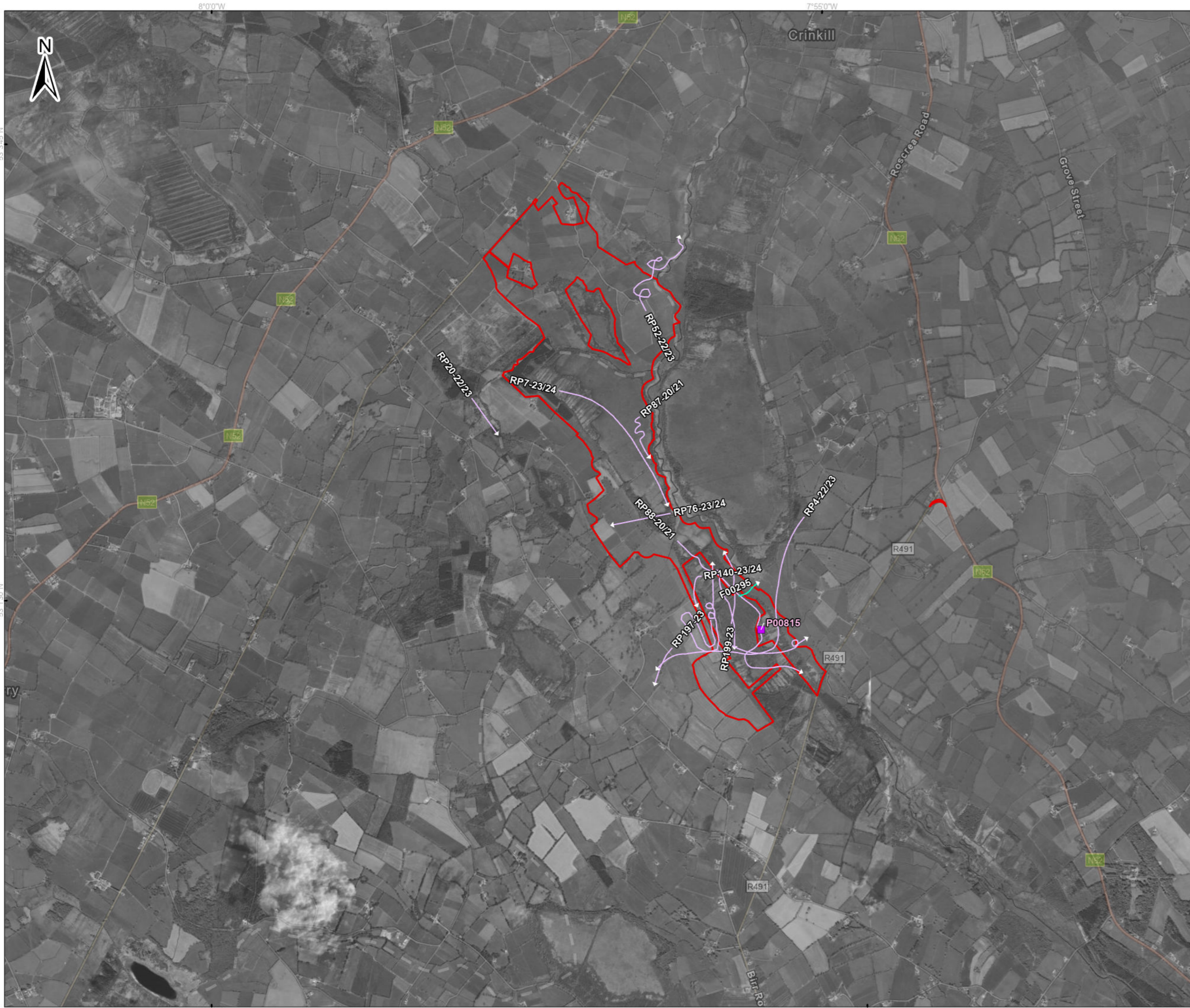


Ecology Ireland Transect Survey																								
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)	
2020	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2022/2023	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

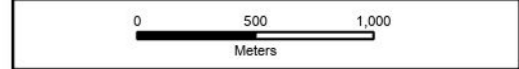
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00815	Winter	Incidental	VP5	24/02/2026	10:05:00	1	PB4	in-flight

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Ashton Callows	26/11/2025	N/A	1	N/A	N/A
Winter	I-WeBS	Clonfree 2	26/11/2025	N/A	1	N/A	N/A





- Legend**
- Proposed wind farm boundary
 - Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Hen Harrier
 - Flightlines - Ecology Ireland 2020 - 2024
 - Hen Harrier



Spatial Reference
 Datum: IRENET95
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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 27:
 Hen Harrier observations
 over the survey period
 (May 2020 – March 2026)**

Scale @ A3: 1:32,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-007.ApX-VP-HH-SUM-A Draft: **A**

Appendix 7-1 - IX KESTREL



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP15-20	Breeding	VP1	28/04/2020	15:21:00	1	200	20m	200	0
RP16-20	Breeding	VP2	14/05/2020	09:19:00	1	50	20m	50	0
RP19-20	Breeding	VP3	14/05/2020	10:57:00	1	193	35m	193	0
RP21-20	Breeding	VP5	14/05/2020	11:35:00	1	25	20m	0	25
RP25-20	Breeding	VP5	14/05/2020	12:06:00	1	10	20m	0	10
RP26-20	Breeding	VP4	14/05/2020	12:19:00	1	25	175m	0	25
RP28-20	Breeding	VP5	14/05/2020	12:27:00	1	10	10m	0	10
RP33-20	Breeding	VP5	14/05/2020	12:57:00	1	35	60m	0	35
RP35-20	Breeding	VP5	14/05/2020	13:46:00	1	45	10m	0	45
RP39-20	Breeding	VP3	14/05/2020	14:20:00	1	45	17.5m	0	45
RP41-20	Breeding	VP5	14/05/2020	14:30:00	1	90	100m	0	90
RP44-20	Breeding	VP4	14/05/2020	15:14:00	1	50	37.5m	15	35
RP46-20	Breeding	VP5	04/06/2020	08:45:00	1	30	2.5m	0	30
RP47-20	Breeding	VP5	04/06/2020	08:50:00	1	30	15m	0	30
RP51-20	Breeding	VP5	04/06/2020	10:05:00	2	60	2.5m	0	60
RP53-20	Breeding	VP4	04/06/2020	11:09:00	1	300	42.5m	90	210
RP54-20	Breeding	VP4	04/06/2020	11:28:00	1	30	30m	0	30
RP55-20	Breeding	VP3	04/06/2020	11:35:00	1	120	12.5m	120	0
RP56-20	Breeding	VP5	04/06/2020	11:38:00	2	20	15m	0	20
RP57-20	Breeding	VP5	04/06/2020	12:15:00	2	10	15m	0	10
RP59-20	Breeding	VP5	04/06/2020	12:20:00	2	10	15m	0	10
RP60-20	Breeding	VP5	04/06/2020	12:34:00	2	10	15m	0	10
RP62-20	Breeding	VP5	04/06/2020	12:43:00	2	10	15m	0	10



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP64-20	Breeding	VP3	04/06/2020	12:54:00	1	55	20m	55	0
RP65-20	Breeding	VP5	04/06/2020	12:56:00	1	20	15m	0	20
RP69-20	Breeding	VP3	04/06/2020	13:56:00	1	130	15m	130	0
RP70-20	Breeding	VP5	04/06/2020	13:59:00	2	10	15m	0	10
RP71-20	Breeding	VP5	04/06/2020	14:10:00	2	10	15m	0	10
N/A	Breeding	VP5	10/07/2020	10:27:00	1	28	20m	0	28
N/A	Breeding	VP3	10/07/2020	14:37:00	3	2460	12.5m	2460	0
RP102-20	Breeding	VP5	10/07/2020	11:21:00	2	120	Unknown	0	120
RP103-20	Breeding	VP5	10/07/2020	11:36:00	1	116	17.5m	0	116
RP107-20	Breeding	VP2	10/07/2020	11:44:00	1	10	12.5m	10	0
RP108-20	Breeding	VP3	10/07/2020	11:45:00	1	1080	15m	1080	0
RP109-20	Breeding	VP4	10/07/2020	11:50:00	1	47	25m	0	47
RP111-20	Breeding	VP5	10/07/2020	11:54:00	1	25	120m	0	25
RP113-20	Breeding	VP4	10/07/2020	11:56:00	2	300	10m	0	300
RP117-20	Breeding	VP3	10/07/2020	12:16:00	1	600	15m	600	0
RP119-20	Breeding	VP5	10/07/2020	12:31:00	1	52	17.5m	0	52
RP121-20	Breeding	VP5	10/07/2020	12:36:00	1	120	25m	120	0
RP123-20	Breeding	VP5	10/07/2020	12:41:00	1	64	85m	0	64
RP124-20	Breeding	VP5	10/07/2020	13:01:00	1	158	22.5m	0	158
RP125-20	Breeding	VP5	10/07/2020	13:02:00	2	15	10m	0	15
RP128-20	Breeding	VP3	10/07/2020	13:13:00	1	300	15m	300	0
RP130-20	Breeding	VP3	10/07/2020	13:20:00	1	10	1m	10	0
RP131-20	Breeding	VP5	10/07/2020	13:21:00	1	99	25m	0	99
RP132-20	Breeding	VP5	10/07/2020	13:42:00	2	2100	5m	0	2100
RP75-20	Breeding	VP2	10/07/2020	08:53:00	1	480	77.5m	10	470



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP76-20	Breeding	VP5	10/07/2020	08:59:00	1	69	20m	0	69
RP77-20	Breeding	VP5	10/07/2020	09:13:00	1	45	8.5m	0	45
RP78-20	Breeding	VP5	10/07/2020	09:14:00	1	78	35m	0	78
RP79-20	Breeding	VP5	10/07/2020	09:17:00	1	70	25m	0	70
RP80-20	Breeding	VP3	10/07/2020	09:22:00	1	148	20m	70	78
RP81-20	Breeding	VP5	10/07/2020	09:24:00	1	1980	6m	0	1980
RP82-20	Breeding	VP3	10/07/2020	09:47:00	1	10	22.5m	0	10
RP84-20	Breeding	VP5	10/07/2020	10:00:00	1	68	35m	0	68
RP85-20	Breeding	VP5	10/07/2020	10:03:00	1	170	25m	0	170
RP92-20	Breeding	VP4	10/07/2020	10:49:00	1	300	10m	0	300
RP94-20	Breeding	VP5	10/07/2020	10:57:00	1	74	35m	0	74
RP97-20	Breeding	VP5	10/07/2020	11:08:00	1	105	55m	0	105
RP98-20	Breeding	VP1	10/07/2020	11:11:00	2	50	17.5m	25	25
RP137-20	Breeding	VP4	14/08/2020	09:04:00	1	10	15m	0	10
RP138-20	Breeding	VP4	14/08/2020	09:24:00	2	120	15m	0	120
RP139-20	Breeding	VP4	14/08/2020	09:55:00	2	180	15m	0	180
RP140-20	Breeding	VP4	14/08/2020	10:05:00	1	1200	2.5m	0	1200
RP141-20	Breeding	VP2	14/08/2020	10:11:00	1	166	60m	166	0
RP144-20	Breeding	VP3	14/08/2020	11:14:00	1	7	10m	7	0
RP145-20	Breeding	VP2	14/08/2020	11:20:00	1	69	20m	42	27
RP146-20	Breeding	VP1	14/08/2020	11:23:00	2	130	15m	70	60
RP147-20	Breeding	VP1	14/08/2020	11:33:00	2	14	0.5m	7	7
RP148-20	Breeding	VP5	14/08/2020	11:36:00	1	205	120m	0	205
RP150-20	Breeding	VP2	14/08/2020	11:48:00	1	83	30m	83	0
RP151-20	Breeding	VP2	14/08/2020	11:48:00	1	151	25m	136	15



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP152-20	Breeding	VP2	14/08/2020	11:49:00	1	15	20m	15	0
RP153-20	Breeding	VP2	14/08/2020	11:55:00	1	181	25m	122	59
RP154-20	Breeding	VP1	14/08/2020	11:56:00	3	420	30m	300	120
RP155-20	Breeding	VP2	14/08/2020	12:01:00	1	89	40m	0	89
RP157-20	Breeding	VP3	14/08/2020	12:11:00	1	8	22.5m	8	0
RP159-20	Breeding	VP1	14/08/2020	12:23:00	1	18	22.5m	9	9
RP161-20	Breeding	VP4	14/08/2020	13:24:00	1	60	15m	0	60
RP162-20	Breeding	VP4	14/08/2020	13:40:00	1	12	15m	0	12
RP167-20	Breeding	VP3	14/08/2020	15:16:00	1	14	7.5m	14	0
RP1-20/21	Wintering	VP, 4	08/10/2020	08:42:00	1	30	15m	15	15
RP12-20/21	Wintering	VP, 4	08/10/2020	11:05:00	1	30	15m	15	15
RP16-20/21	Wintering	VP, 3	08/10/2020	11:36:00	1	95	15m	0	95
RP17-20/21	Wintering	VP, 3	08/10/2020	11:42:00	1	100	17.5m	0	100
RP19-20/21	Wintering	VP, 3	08/10/2020	11:50:00	1	25	15m	0	25
RP2-20/21	Wintering	VP, 3	08/10/2020	08:56:00	1	200	30m	0	200
RP20-20/21	Wintering	VP, 4	08/10/2020	11:05:00	1	30	15m	30	0
RP21-20/21	Wintering	VP, 4	08/10/2020	11:52:00	1	30	15m	30	0
RP22-20/21	Wintering	VP, 3	08/10/2020	11:58:00	1	33	8m	33	0
RP23-20/21	Wintering	VP, 3	08/10/2020	12:00:00	1	75	10m	75	0
RP25-20/21	Wintering	VP, 4	08/10/2020	12:15:00	1	300	15m	300	0
RP26-20/21	Wintering	VP, 3	08/10/2020	12:21:00	1	80	20m	80	0
RP27-20/21	Wintering	VP, 3	08/10/2020	12:26:00	1	155	17.5m	145	10
RP3-20/21	Wintering	VP, 1	08/10/2020	09:08:00	1	46	10m	46	0
RP30-20/21	Wintering	VP, 3	08/10/2020	12:41:00	1	30	15m	30	0
RP33-20/21	Wintering	VP, 3	08/10/2020	13:08:00	1	95	17.5m	90	5



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP35-20/21	Wintering	VP, 3	08/10/2020	13:22:00	1	55	30m	0	55
RP36-20/21	Wintering	VP, 4	08/10/2020	13:23:00	1	60	15m	0	60
RP37-20/21	Wintering	VP, 3	08/10/2020	13:48:00	1	180	35m	180	0
RP38-20/21	Wintering	VP, 3	08/10/2020	13:59:00	1	15	1m	15	0
RP39-20/21	Wintering	VP, 3	08/10/2020	14:04:00	1	38	10m	0	38
RP44-20/21	Wintering	VP, 3	08/10/2020	14:38:00	1	155	22.5m	135	20
RP7-20/21	Wintering	VP, 3	08/10/2020	10:33:00	1	38	27.5m	0	38
RP8-20/21	Wintering	VP, 4	08/10/2020	10:40:00	1	30	15m	15	15
RP45-20/21	Wintering	VP, 3	05/11/2020	10:01:00	1	46	15m	46	0
RP47-20/21	Wintering	VP, 1	05/11/2020	11:07:00	1	16	17.5m	8	8
RP48-20/21	Wintering	VP, 1	05/11/2020	11:08:00	1	4	Unknown	4	0
RP50-20/21	Wintering	VP, 3	05/11/2020	11:44:00	1	720	10m	0	720
RP53-20/21	Wintering	VP, 5	05/11/2020	12:41:00	1	90	150m	0	90
RP54-20/21	Wintering	VP, 1	05/11/2020	12:44:00	1	18	35m	18	0
RP56-20/21	Wintering	VP, 3	05/11/2020	12:59:00	1	107	25m	0	107
RP67-20/21	Wintering	VP, 5	05/11/2020	14:51:00	1	15	15m	0	15
N/A	Wintering	VP, 1	04/12/2020	12:44:00	1	30	25m	0	30
N/A	Wintering	VP, 1	04/12/2020	12:44:00	1	180	15m	180	0
N/A	Wintering	VP, 1	04/12/2020	12:51:00	1	90	20m	0	90
N/A	Wintering	VP, 1	04/12/2020	12:54:00	1	10	17.5m	0	10
N/A	Wintering	VP, 1	04/12/2020	12:54:00	1	120	9m	120	0
RP72-20/21	Wintering	VP, 4	04/12/2020	09:45:00	1	70	20m	0	70
RP74-20/21	Wintering	VP, 5	04/12/2020	09:55:00	1	10	15m	0	10
RP78-20/21	Wintering	VP, 2	04/12/2020	11:25:00	1	6	25m	6	0
RP79-20/21	Wintering	VP, 1	04/12/2020	11:26:00	1	179	15m	29	150



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP81-20/21	Wintering	VP, 1	04/12/2020	11:33:00	1	272	11m	272	0
RP82-20/21	Wintering	VP, 2	04/12/2020	11:41:00	1	4	17.5m	4	0
RP83-20/21	Wintering	VP, 5	04/12/2020	11:50:00	1	60	15m	0	60
RP85-20/21	Wintering	VP, 2	04/12/2020	12:24:00	1	50	25m	50	0
RP86-20/21	Wintering	VP, 2	04/12/2020	12:28:00	1	20	22.5m	20	0
RP89-20/21	Wintering	VP, 2	04/12/2020	12:59:00	1	10	20m	10	0
RP90-20/21	Wintering	VP, 1	04/12/2020	13:10:00	1	98	30m	0	98
RP91-20/21	Wintering	VP, 1	04/12/2020	13:11:00	1	23	20m	10	13
RP92-20/21	Wintering	VP, 1	04/12/2020	13:15:00	1	200	15m	100	100
RP93-20/21	Wintering	VP, 4	04/12/2020	13:30:00	1	50	15m	0	50
RP94-20/21	Wintering	VP, 3	04/12/2020	13:50:00	1	20	25m	0	20
RP98-20/21	Wintering	VP, 1	04/12/2020	14:40:00	1	28	15m	28	0
RP104-20/21	Wintering	VP, 4	14/01/2021	11:30:00	1	Unknown	15m	Unknown	0
RP105-20/21	Wintering	VP, 2	14/01/2021	12:07:00	1	102	25m	0	102
RP107-20/21	Wintering	VP, 2	14/01/2021	13:12:00	1	40	30m	40	0
RP113-20/21	Wintering	VP, 2	14/01/2021	15:30:00	1	29	40m	0	29
RP114-20/21	Wintering	VP, 2	14/01/2021	15:30:00	1	264	55m	0	264
RP220-20/21a	Wintering	VP3	14/01/2021	14:45:00	1	200	12.5m	200	0
RP99-20/21	Wintering	VP, 2	14/01/2021	09:49:00	1	135	22.5m	75	60
RP115-20/21	Wintering	VP, 1	21/01/2021	13:46:00	1	40	20m	40	0
RP116-20/21	Wintering	VP, 4	09/02/2021	10:05:00	1	40	20m	0	40
RP119-20/21	Wintering	VP, 4	09/02/2021	10:58:00	1	45	17.5m	0	45
RP124-20/21	Wintering	VP, 4	09/02/2021	13:04:00	1	0	2m	0	Unknown
RP126-20/21	Wintering	VP, 3	09/02/2021	13:21:00	1	0	20m	Unknown	0
RP128-20/21	Wintering	VP, 4	09/02/2021	13:59:00	1	10	15m	0	10



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP130-20/21	Wintering	VP, 3	09/02/2021	14:25:00	1	0	20m	Unknown	0
RP131-20/21	Wintering	VP, 4	09/02/2021	14:30:00	1	75	30m	0	75
RP132-20/21	Wintering	VP, 4	09/02/2021	15:40:00	1	110	25m	0	110
RP220-20/21b	Wintering	VP1	09/02/2021	11:55:00	1	60	15m	60	0
RP225-20/21	Wintering	VP1	09/02/2021	14:25:00	1	280	15m	0	280
RP133-20/21	Wintering	VP, 2	08/03/2021	09:34:00	1	95	30m	0	95
RP138-20/21	Wintering	VP, 2	08/03/2021	10:12:00	1	240	Unknown	240	0
RP139-20/21	Wintering	VP, 1	08/03/2021	10:15:00	1	40	30m	30	10
RP143-20/21	Wintering	VP, 4	08/03/2021	10:46:00	1	362	10m	0	362
RP144-20/21	Wintering	VP, 4	08/03/2021	10:46:00	1	201	45m	0	201
RP145-20/21	Wintering	VP, 1	08/03/2021	10:52:00	2	25	2.5m	15	10
RP146-20/21	Wintering	VP, 2	08/03/2021	11:14:00	2	50	22.5m	0	50
RP148-20/21	Wintering	VP, 2	08/03/2021	11:21:00	2	170	175m	0	170
RP149-20/21	Wintering	VP, 2	08/03/2021	11:29:00	1	190	22.5m	0	190
RP151-20/21	Wintering	VP, 2	08/03/2021	11:48:00	2	95	80m	0	95
RP159-20/21	Wintering	VP, 2	08/03/2021	11:58:00	1	175	75m	0	175
RP161-20/21	Wintering	VP, 2	08/03/2021	12:18:00	1	480	85m	0	480
RP165-20/21	Wintering	VP, 2	08/03/2021	12:28:00	1	195	150m	0	195
RP169-20/21	Wintering	VP, 2	08/03/2021	12:44:00	1	325	65m	300	25
RP170-20/21	Wintering	VP, 3	08/03/2021	12:50:00	1	190	50m	190	0
RP171-20/21	Wintering	VP, 2	08/03/2021	12:54:00	1	165	90m	0	165
RP178-20/21	Wintering	VP, 2	08/03/2021	13:04:00	1	165	50m	0	165
RP189-20/21	Wintering	VP, 3	08/03/2021	13:39:00	1	63	35m	63	0
RP190-20/21	Wintering	VP, 4	08/03/2021	13:41:00	1	86	60m	86	0
RP194-20/21	Wintering	VP, 4	08/03/2021	13:51:00	1	66	30m	0	66



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP197-20/21	Wintering	VP, 4	08/03/2021	14:03:00	1	110	30m	0	110
RP200-20/21	Wintering	VP, 2	08/03/2021	14:17:00	1	110	65m	0	110
RP207-20/21	Wintering	VP, 4	08/03/2021	14:31:00	1	30	8.5m	0	30
RP1-21	Breeding	VP1	23/04/2021	13:01:00	1	53	11m	20	33
RP12-21	Breeding	VP3	23/04/2021	15:06:00	1	80	25m	50	30
RP13-21	Breeding	VP4	23/04/2021	09:30:00	1	30	30m	0	30
RP14-21	Breeding	VP4	23/04/2021	12:40:00	1	30	30m	0	30
RP15-21	Breeding	VP5	23/04/2021	09:00:00		0	0	0	0
RP16-21	Breeding	VP5	23/04/2021	10:14:00	1	30	17.5m	0	30
RP17-21	Breeding	VP5	23/04/2021	13:06:00	2	0	0	0	0
RP38-21	Breeding	VP4	14/05/2021	12:18:00	2	120	100	0	120
RP41-21	Breeding	VP5	14/05/2021	09:40:00	2	60	7m	0	60
RP45-21	Breeding	VP5	14/05/2021	13:05:00	1	23	12.5m	0	23
RP46-21	Breeding	VP1	17/05/2021	09:05:00	1	120	17.5m	120	0
RP50-21	Breeding	VP1	17/05/2021	10:40:00	1	15	17.5m	8	7
RP55-21	Breeding	VP1	17/05/2021	12:59:00		40	62.5m	35	5
RP58-21	Breeding	VP2	17/05/2021	13:09:00	1	23	25m	23	0
RP61-21	Breeding	VP3	11/06/2021	13:13:00	1	120	40m	120	0
RP63-21	Breeding	VP5	11/06/2021	08:45:00	2	40	17.5m	0	40
RP65-21	Breeding	VP5	11/06/2021	10:37:00	1	30	62.5m	0	30
RP123-21	Breeding	VP4	14/06/2021	11:31:00	1	90	10m	0	90
RP75-21	Breeding	VP1	16/07/2021	09:07:00	1	2	2.5m	0	2
RP77-21	Breeding	VP1, VP2	16/07/2021	12:03:00	1	180	25m	0	180
RP78-21	Breeding	VP1, VP2	16/07/2021	12:35:00	1	180	17.5m	180	0
RP84-21	Breeding	VP3	16/07/2021	12:55:00	1	540	45m	540	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP88-21	Breeding	VP5	16/07/2021	13:24:00	1	23	50m	0	23
RP125-21	Breeding	VP4	21/07/2021	12:07:00	1	60	10m	-	60
RP126-21	Breeding	VP4	21/07/2021	13:09:00	1	120	10m	-	120
RP127-21	Breeding	VP4	21/07/2021	13:33:00	1	125	7.5m		125
N/A	Breeding	VP1	18/08/2021	09:57:00	1	570	-		
N/A	Breeding	VP1	18/08/2021	10:23:00	1	660	-		
N/A	Breeding	VP1	18/08/2021	10:49:00	1	120	-		
RP103-21	Breeding	VP1	18/08/2021	13:40:00	1	88	60m	0	88
RP104-21	Breeding	VP1	18/08/2021	13:56:00	1	53	40m	0	53
RP105-21	Breeding	VP1	18/08/2021	14:03:00	1	224	50m	224	0
RP107-21	Breeding	VP2	18/08/2021	09:16:00	3	240	17.5m	60	180
RP109-21	Breeding	VP2	18/08/2021	13:15:00	1	2	17.5m	0	2
RP116-21	Breeding	VP5	18/08/2021	09:59:00	1	4	5m	0	4
RP118-21	Breeding	VP5	18/08/2021	12:03:00	1	43	17.5m	0	43
RP119-21	Breeding	VP5	18/08/2021	14:24:00	1	300	15m	0	300
RP120-21	Breeding	VP5	18/08/2021	14:41:00	1	8	2.5m	0	8
RP89-21	Breeding	VP1	18/08/2021	08:50:00	1	60	-	0	60
RP90-21	Breeding	VP1	18/08/2021	09:03:00	3	30	10m	15	15
RP91-21	Breeding	VP1	18/08/2021	09:22:00	1	120	-	0	120
RP92-21	Breeding	VP1	18/08/2021	09:36:00	1	60	-	0	60
RP94-21	Breeding	VP1	18/08/2021	11:09:00	1	54	25m	0	54
RP95-21	Breeding	VP1	18/08/2021	11:56:00	1	40	30m	0	40
RP96-21	Breeding	VP1	18/08/2021	12:03:00	1	1680	-	0	1680
RP98-21	Breeding	VP1	18/08/2021	12:48:00	1	30	1.5m	0	30
RP99-21	Breeding	VP1	18/08/2021	13:08:00	1	1440	-	0	1440



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP2-21/22	Wintering	VP3	18/11/2021	12:42:00	1	15	5m	15	0
RP4-21/22	Wintering	VP4	18/11/2021	14:28:00	1	66	5m	0	66
RP5-21/22	Wintering	VP4	18/11/2021	14:42:00	1	53	5m	0	53
N/A	Wintering	VP5	23/11/2021	10:29:00	1	540	10m	0	540
RP16-21/22	Wintering	VP4	02/12/2021	09:43:00	1	210	10m	0	210
RP24-21/22	Wintering	VP1	02/12/2021	11:25:00	1	34	25m	15	19
RP26-21/22	Wintering	VP1	02/12/2021	11:32:00	1	2	25m	2	0
RP27-21/22	Wintering	VP1, VP1	02/12/2021	11:42:00	1	252	5m	120	132
RP34-21/22	Wintering	VP4	02/12/2021	12:38:00	1	210	10m	0	210
RP37-21/22	Wintering	VP1	02/12/2021	12:45:00	1	120	5m	120	0
RP38-21/22	Wintering	VP3	02/12/2021	12:53:00	1	60	5m	0	60
RP39-21/22	Wintering	VP4	02/12/2021	13:02:00	1	300	10m	0	300
RP40-21/22	Wintering	VP3	02/12/2021	13:05:00	1	120	5m	120	0
RP41-21/22	Wintering	VP4	02/12/2021	13:32:00	1	300	10m	0	300
RP42-21/22	Wintering	VP4	02/12/2021	14:08:00	1	300	10m	0	300
RP43-21/22	Wintering	VP4	02/12/2021	14:18:00	1	180	30m	0	180
RP44-21/22	Wintering	VP1	02/12/2021	14:27:00	1	60	25m	0	60
RP46-21/22	Wintering	VP4	06/12/2021	09:41:00	1	5	10m	0	5
RP49-21/22	Wintering	VP4	06/12/2021	10:58:00	1	20	15m	0	20
RP53-21/22	Wintering	VP5	06/12/2021	12:14:00	1	177	15m	0	177
RP54-21/22	Wintering	VP5	06/12/2021	12:43:00	1	129	40m	0	129
RP55-21/22	Wintering	VP4	06/12/2021	13:00:00	1	10	20m	0	10
RP56-21/22	Wintering	VP5	06/12/2021	13:12:00	1	71	10m	0	71
RP58-21/22	Wintering	VP5	06/12/2021	13:22:00	1	63	20m	0	63
N/A	Wintering	VP3	07/12/2021	13:32:00	1	60	20m	0	60



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP59-21/22	Wintering	VP3	07/12/2021	10:10:00	1	180	10m	0	180
RP60-21/22	Wintering	VP3	07/12/2021	11:50:00	1	600	30m	0	600
RP61-21/22	Wintering	VP3	07/12/2021	13:44:00	1	180	35m	0	180
RP62-21/22	Wintering	VP3	07/12/2021	14:25:00	1	60	15m	0	60
RP63-21/22	Wintering	VP2	10/12/2021	12:20:00	1	2	30m	2	0
RP65-21/22	Wintering	VP2	10/12/2021	12:35:00	1	6	20m	6	0
RP71-21/22	Wintering	VP4	14/01/2022	10:43:00	1	120	5m	0	120
RP72-21/22	Wintering	VP4	14/01/2022	10:53:00	1	91	5m	25	66
RP78-21/22	Wintering	VP3	14/01/2022	14:37:00	1	120	5m	120	0
RP80-21/22	Wintering	VP2	17/01/2022	10:53:00	1	5	15m	5	0
RP84-21/22	Wintering	VP1	17/01/2022	14:43:00	1	6	30m	0	6
RP108-21/22	Wintering	VP3	10/02/2022	13:35:00	1	58	5m	58	0
RP109-21/22	Wintering	VP3	10/02/2022	13:40:00	1	125	5m	0	125
RP113-21/22	Wintering	VP3	10/02/2022	14:10:00	1	183	25m	0	183
RP86-21/22	Wintering	VP3	10/02/2022	09:45:00	1	72	25m	0	72
RP88-21/22	Wintering	VP3	10/02/2022	10:29:00	1	8	25m	0	8
RP95-21/22	Wintering	VP4	10/02/2022	11:28:00	1	43	25m	0	43
RP98-21/22	Wintering	VP4	10/02/2022	12:15:00	1	121	25m	1	120
RP123-21/22	Wintering	VP1	11/02/2022	09:55:00	1	347	5m	47	300
RP124-21/22	Wintering	VP5	11/02/2022	10:08:00	1	17	10m	0	17
RP133-21/22	Wintering	VP5	11/02/2022	12:38:00	1	61	10m	0	61
RP134-21/22	Wintering	VP2	11/02/2022	12:39:00	1	15	5m	15	0
RP138-21/22	Wintering	VP1	11/02/2022	13:06:00	1	36	25m	36	0
RP139-21/22	Wintering	VP1	11/02/2022	13:14:00	1	198	25m	0	198
RP143-21/22	Wintering	VP5	11/02/2022	14:12:00	1	15	5m	0	15



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP144-21/22	Wintering	VP5	11/02/2022	14:13:00	1	80	5m	0	80
RP153-21/22	Wintering	VP5	14/03/2022	10:43:00	2	240	5m	0	240
RP162-21/22	Wintering	VP5	14/03/2022	12:01:00	1	72	25m	0	72
RP166-21/22	Wintering	VP2	14/03/2022	12:12:00	1	15	60m	0	15
RP170-21/22	Wintering	VP5	14/03/2022	12:19:00	1	73	25m	0	73
RP181-21/22	Wintering	VP4	14/03/2022	13:20:00	1	8	10m	0	8
RP184-21/22	Wintering	VP2	14/03/2022	13:33:00	1	18	25m	18	0
RP185-21/22	Wintering	VP3	14/03/2022	13:37:00	1	60	5m	60	0
RP186-21/22	Wintering	VP5	14/03/2022	13:37:00	1	80	25m	0	80
RP187-21/22	Wintering	VP3	14/03/2022	13:41:00	2	35	5m	35	0
RP190-21/22	Wintering	VP3	14/03/2022	13:52:00	1	240	5m	240	0
RP197-21/22	Wintering	VP2	14/03/2022	14:14:00	1	60	50m	0	60
RP201-21/22	Wintering	VP2	14/03/2022	14:34:00	1	42	40m	0	42
RP12-22/23	Wintering	VP3, VPA	30/11/2022	09:14:00	1	180	62.5m	180	0
RP15-22/23	Wintering	VP4	30/11/2022	09:42:00	1	20	15m	0	20
RP16-22/23	Wintering	VP4	30/11/2022	10:06:00	1	10	15m	0	10
RP27-22/23	Wintering	VPB	30/11/2022	14:18:00	1	5	10m	5	0
RP29-22/23	Wintering	VP4	20/12/2022	08:51:00	1	8	15m	0	8
RP30-22/23	Wintering	VPB, VP3	20/12/2022	09:20:00	1	39	62.5m	26	13
RP31-22/23	Wintering	VP3	20/12/2022	09:33:00	1	120	15m	0	120
RP35-22/23	Wintering	VP4	20/12/2022	09:58:00	1	24	15m	0	24
RP38-22/23	Wintering	VP4	20/12/2022	10:33:00	1	8	15m	0	8
RP42-22/23	Wintering	VP3	20/12/2022	10:55:00	1	60	15m	55	5
RP45-22/23	Wintering	VP3	20/12/2022	11:08:00	1	180	2.5m	150	30
RP49-22/23	Wintering	VP3	20/12/2022	13:20:00	1	60	2.5m	60	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP50-22/23	Wintering	VP3	20/12/2022	14:28:00	1	30	2.5m	30	0
RP58-22/23	Wintering	VP2	21/12/2022	12:04:00	1	14	17.5m	9	5
RP63-22/23	Wintering	VP5	21/12/2022	13:40:00	1	8	7.5m	2	6
RP64-22/23	Wintering	VP2, VP1	21/12/2022	13:41:00	1	84	45m	24	60
RP66-22/23	Wintering	VP2	21/12/2022	14:03:00	1	34	30m	34	0
RP67-22/23	Wintering	VP2, VP1	21/12/2022	14:17:00	1	99	15m	99	0
RP157-22/23	Wintering	VP2	25/01/2023	10:45:00	1	10	30m	10	
RP160-22/23	Wintering	VP1	25/01/2023	12:41:00	1	100	5m	30	70
RP159-22/23	Wintering	VP4	27/01/2023	12:44:00	1	15	40m		15
RP76-22/23	Wintering	VP5	20/02/2023	10:04:00	1	45	10m	0	45
RP78-22/23	Wintering	VP2	20/02/2023	10:49:00	1	61	62.5m	61	0
RP86-22/23	Wintering	VP1	20/02/2023	12:43:00	1	160	30m	60	100
RP91-22/23	Wintering	VPA	20/02/2023	13:03:00	1	84	80m	0	84
RP93-22/23	Wintering	VP5	20/02/2023	13:45:00	1	52	10m	0	52
RP94-22/23	Wintering	VP2	20/02/2023	13:49:00	1	76	15m	76	0
RP95-22/23	Wintering	VPA	20/02/2023	14:03:00	1	18	5m	18	0
RP106-22/23	Wintering	VPA	27/03/2023	10:29:00	1	320	62.5m	320	0
RP118-22/23	Wintering	VPB	27/03/2023	11:20:00	1	30	15m	30	0
RP121-22/23	Wintering	VP5	27/03/2023	11:34:00	1	30	40m	0	30
RP126-22/23	Wintering	VPA	27/03/2023	11:48:00	2	130	62.5m	130	0
RP128-22/23	Wintering	VP5	27/03/2023	11:58:00	1	367	65m	0	367
RP130-22/23	Wintering	VPA	27/03/2023	12:04:00	1	118	15m	118	0
RP132-22/23	Wintering	VP5	27/03/2023	12:06:00	1	285	75m	0	285
RP134-22/23	Wintering	VP5	27/03/2023	12:09:00	1	105	30m	0	105
RP139-22/23	Wintering	VP1	27/03/2023	12:40:00	1	36	15m	36	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP140-22/23	Wintering	VPA	27/03/2023	12:45:00	1	88	15m	0	88
RP141-22/23	Wintering	VP5	27/03/2023	12:50:00	1	44	15m	0	44
RP142-22/23	Wintering	VP3	27/03/2023	13:00:00	1	80	45m	80	0
RP148-22/23	Wintering	VP1	27/03/2023	13:45:00	1	46	2.5m	40	6
RP154-22/23	Wintering	VP1	27/03/2023	14:18:00	1	70	15m	0	70
RP22-23	Breeding	VPB	01/05/2023	13:43:00	1	420	62.5m	0	420
RP24-23	Breeding	VP4, VPB	01/05/2023	14:00:00	1	64	25m	0	64
RP263-23	Breeding	VP5	01/05/2023	11:09:00	1	60	15m	0	60
RP264-23	Breeding	VP5	01/05/2023	12:20:00	1	45	15m	0	45
RP266-23	Breeding	VP5	01/05/2023	13:13:00	1	55	10m	0	55
RP27-23	Breeding	VPB	01/05/2023	14:15:00	1	85	15m	85	0
RP4-23	Breeding	VPB	01/05/2023	10:38:00	1	56	62.5m	3	53
RP6-23	Breeding	VPB	01/05/2023	11:22:00	1	26	15m	26	0
RP32-23	Breeding	VP3	02/05/2023	08:58:00	1	1260	2.5m	900	360
RP33-23	Breeding	VPA	02/05/2023	09:04:00	1	94	62.5m	94	0
RP34-23	Breeding	VP1	02/05/2023	09:44:00	1	100	15m	50	50
RP38-23	Breeding	VP3	02/05/2023	10:44:00	1	720	15m	360	360
RP40-23	Breeding	VP3	02/05/2023	11:05:00	1	360	15m	340	20
RP42-23	Breeding	VP3, VPA	02/05/2023	11:26:00	1	58	15m	20	38
RP46-23	Breeding	VP3	02/05/2023	12:23:00	2	555	15m	360	195
RP47-23	Breeding	VP1	02/05/2023	12:30:00	1	5	18m	0	5
RP48-23	Breeding	VPA	02/05/2023	12:34:00	1	103	62.5m	10	93
RP53-23	Breeding	VP3	02/05/2023	13:17:00	1	840	15m	840	0
RP54-23	Breeding	VP3	02/05/2023	13:35:00	1	124	15m	100	24
RP55-23	Breeding	VP3	02/05/2023	13:39:00	1	360	62.5m	360	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP58-23	Breeding	VP3, NLA	02/05/2023	14:00:00	1	176	15m	160	16
RP61-23	Breeding	VPA, VP3	02/05/2023	14:16:00	1	420	62.5m	300	120
RP62-23	Breeding	VP2	03/05/2023	10:40:00	1	10	12m	10	0
RP63-23	Breeding	VP2	03/05/2023	13:45:00	1	22	15m	20	2
RP64-23	Breeding	VP2	03/05/2023	14:18:00	1	4	15m	3	1
RP67-23	Breeding	VPA	30/05/2023	11:57:00	1	73	15m	73	0
RP73-23	Breeding	VP2	30/05/2023	12:57:00	1	165	15m	123	42
RP75-23	Breeding	VPA	30/05/2023	13:07:00	1	40	10m	40	0
RP78-23	Breeding	VPA	30/05/2023	13:17:00	1	36	15m	29	7
RP102-23	Breeding	VP2	23/06/2023	12:43:00	1	16	15m	0	16
RP103-23	Breeding	VP2	23/06/2023	13:08:00	1	154	15m	154	0
RP104-23	Breeding	VP1	23/06/2023	13:13:00	1	30	15m	10	20
RP105-23	Breeding	VP2	23/06/2023	13:22:00	1	120	15m	60	60
RP109-23	Breeding	VP1	23/06/2023	14:16:00	1	50	15m	0	50
RP113-23	Breeding	VP2	23/06/2023	14:46:00	1	44	15m	0	44
RP85-23	Breeding	VP1	23/06/2023	08:42:00	1	10	15m	8	2
RP91-23	Breeding	VP2	23/06/2023	11:03:00	1	108	15m	0	108
RP92-23	Breeding	VP1	23/06/2023	11:13:00	1	100	15m	75	25
RP94-23	Breeding	VP2	23/06/2023	11:15:00	1	14	15m	8	6
RP116-23	Breeding	VP5	27/06/2023	09:15:00	1	5	10m	0	5
RP118-23	Breeding	VP5	27/06/2023	09:28:00	1	10	5m	0	10
RP121-23	Breeding	VP5	27/06/2023	09:44:00	1	18	15m	0	18
RP122-23	Breeding	VP5	27/06/2023	10:14:00	1	4	10m	0	4
RP125-23	Breeding	VP5	27/06/2023	10:24:00	2	200	50m	0	200
RP127-23	Breeding	VP5	27/06/2023	11:24:00	1	10	7.5m	0	10



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP129-23	Breeding	VP5	27/06/2023	11:50:00	1	15	40m	0	15
RP130-23	Breeding	VP4	27/06/2023	11:52:00	1	60	15m	0	60
RP133-23	Breeding	VP5	27/06/2023	12:01:00	1	45	20m	0	45
RP135-23	Breeding	VP5	27/06/2023	12:19:00	1	10	10m	0	10
RP137-23	Breeding	VP5	27/06/2023	12:48:00	2	10	50m	0	10
RP140-23	Breeding	VP4	27/06/2023	13:04:00	1	40	62.5m	40	0
RP141-23	Breeding	VP5	27/06/2023	13:13:00	1	25	20m	0	25
RP144-23	Breeding	VP3	27/06/2023	14:02:00	1	184	15m	0	184
RP145-23	Breeding	VP3	27/06/2023	14:20:00	1	43	15m	0	43
RP146-23	Breeding	VPA	27/06/2023	14:22:00	1	15	25m	15	0
RP150-23	Breeding	VPA	20/07/2023	08:49:00	1	43	15m	0	43
RP152-23	Breeding	VPA	20/07/2023	09:51:00	1	40	15m	0	40
RP158-23	Breeding	VPA	20/07/2023	11:34:00	1	35	15m	35	0
RP161-23	Breeding	VPA	20/07/2023	11:53:00	1	25	15m	0	25
RP163-23	Breeding	VP4	20/07/2023	12:26:00	1	10	20m	0	10
RP164-23	Breeding	VP4	20/07/2023	12:34:00	1	213	40m	0	213
RP166-23	Breeding	VPA	20/07/2023	13:11:00	1	270	62.5m	270	0
RP168-23	Breeding	VP4	20/07/2023	13:20:00	1	168	40m	0	168
N/A	Breeding	VP2	27/07/2023	11:02:00	1	0	15m	-	-
RP171-23	Breeding	VP2	27/07/2023	08:42:00	1	25	12.5m	0	25
RP178-23	Breeding	VP1	27/07/2023	10:39:00	1	525	15m	25	500
RP179-23	Breeding	VPB	27/07/2023	10:45:00	1	360	15m	0	360
RP180-23	Breeding	VP1	27/07/2023	10:58:00	1	360	15m	120	240
RP182-23	Breeding	VP2	27/07/2023	11:09:00	1	5	5m	5	0
RP188-23	Breeding	VP1	27/07/2023	12:49:00	1	40	15m	30	10



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP189-23	Breeding	VPB	27/07/2023	12:50:00	1	300	15m	0	300
RP191-23	Breeding	VP1	27/07/2023	13:04:00	1	39	15m	12	27
RP192-23	Breeding	VP1, VP2	27/07/2023	13:10:00	1	1660	15m	700	960
RP195-23	Breeding	VP2	27/07/2023	13:30:00	1	70	30m	0	70
RP196-23	Breeding	VP1, VP2	27/07/2023	14:00:00	1	350	15m	330	20
RP202-23	Breeding	VPA	28/08/2023	10:03:00	1	42	60m	21	21
RP209-23	Breeding	VP5	28/08/2023	11:44:00	1	33	15m	0	33
RP211-23	Breeding	VPB	28/08/2023	12:25:00	1	8	35m	7	1
RP212-23	Breeding	VP4	28/08/2023	12:40:00	1	60	-	0	60
RP214-23	Breeding	VP3	28/08/2023	13:44:00	1	180	15m	90	90
RP220-23	Breeding	VPB	26/09/2023	09:16:00	1	96	15m	56	40
RP221-23	Breeding	VP4	26/09/2023	09:36:00	1	40	50m	0	40
RP222-23	Breeding	VP3	26/09/2023	09:41:00	2	46	10m	46	0
RP223-23	Breeding	VP5	26/09/2023	10:17:00	1	20	10m	0	20
RP224-23	Breeding	VPB	26/09/2023	10:32:00	1	25	15m	25	0
RP225-23	Breeding	VP2	26/09/2023	10:34:00	1	245	62.5m	125	120
RP226-23	Breeding	VPB	26/09/2023	10:57:00	1	25	62.5m	0	25
RP230-23	Breeding	VP3	26/09/2023	11:04:00	1	14	6m	14	0
RP231-23	Breeding	VPB, VPA	26/09/2023	11:11:00	1	44	15m	40	4
RP232-23	Breeding	VPA	26/09/2023	11:15:00	1	20	15m	20	0
RP237-23	Breeding	VP5	26/09/2023	11:25:00	1	161	50m	0	161
RP240-23	Breeding	VPB	26/09/2023	11:45:00	1	28	2.5m	26	2
RP242-23	Breeding	VP5	26/09/2023	11:52:00	1	85	40m	0	85
RP256-23	Breeding	VP4	26/09/2023	12:37:00	1	720	30m	0	720



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP257-23	Breeding	VP5	26/09/2023	12:38:00	1	96	50m	0	96
RP260-23	Breeding	VPB	26/09/2023	14:23:00	1	28	15m	16	12
RP13-23/24	Wintering	VP4	24/10/2023	12:25:00	1	22	15m	22	0
RP14-23/24	Wintering	VP4	24/10/2023	13:12:00	1	8	15m	8	0
RP15-23/24	Wintering	VP4	24/10/2023	13:22:00	1	39	15m	39	0
RP22-23/24	Wintering	VP5	24/10/2023	10:28:00	1	10	10m	0	10
RP23-23/24	Wintering	VP5	24/10/2023	12:09:00	1	7	8m	0	7
RP35-23/24	Wintering	VPA	24/10/2023	14:27:00	1	156	40m	0	156
RP36-23/24	Wintering	VPB	24/10/2023	09:10:00	1	20	10m	19	1
RP8-23/24	Wintering	VP3	24/10/2023	10:26:00	1	30	35m	0	30
N/A	Wintering	VP4	27/11/2023	13:27:00	1	44	15m	-	-
RP43-23/24	Wintering	VP1, VP2	27/11/2023	11:26:00	1	205	45m	0	205
RP44-23/24	Wintering	VP1	27/11/2023	13:35:00	1	45	30m	20	25
RP47-23/24	Wintering	VP2	27/11/2023	11:46:00	1	30	15m	30	0
RP48-23/24	Wintering	VP2	27/11/2023	12:01:00	1	204	62.5m	204	0
RP49-23/24	Wintering	VP2	27/11/2023	12:52:00	1	56	62.5m	0	56
RP51-23/24	Wintering	VP2	27/11/2023	13:44:00	1	34	62.5m	0	34
RP52-23/24	Wintering	VP2	27/11/2023	13:51:00	1	134	62.5m	34	100
RP53-23/24	Wintering	VP2	27/11/2023	13:57:00	1	52	62.5m	52	0
RP54-23/24	Wintering	VP2	27/11/2023	14:06:00	1	240	62.5m	40	200
RP59-23/24	Wintering	VP4	27/11/2023	11:20:00	1	47	15m	0	47
RP61-23/24	Wintering	VP4	27/11/2023	11:46:00	1	129	15m	0	129
RP63-23/24	Wintering	VP4	27/11/2023	12:09:00	1	129	62.5m	129	9
RP64-23/24	Wintering	VP4	27/11/2023	12:31:00	1	382	62.5m	182	200
RP66-23/24	Wintering	VP4	27/11/2023	12:09:00	1	240	15m	0	240



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP69-23/24	Wintering	VPA	27/11/2023	11:52:00	1	67	35m	0	67
RP70-23/24	Wintering	VPB	27/11/2023	11:03:00	1	20	15m	20	0
RP72-23/24	Wintering	VPB	29/11/2023	12:26:00	1	14	3m	2	12
RP74-23/24	Wintering	VP2	20/12/2023	09:02:00	1	8	35m	8	0
RP80-23/24	Wintering	VP5	20/12/2023	12:28:00	1	35	10m	0	35
RP87-23/24	Wintering	VPA	20/12/2023	12:15:00		83	62.5m	0	83
RP89-23/24	Wintering	VPB	20/12/2023	12:50:00	1	45	15m	20	25
RP104-23/24	Wintering	VP2	25/01/2024	12:46:00	1	40	2.5m	40	0
RP108-23/24	Wintering	VP2	25/01/2024	13:43:00	1	100	62.5m	0	100
RP122-23/24	Wintering	VP3	25/01/2024	13:19:00	1	82	62.5m	80	2
RP123-23/24	Wintering	VP3	25/01/2024	13:31:00	1	256	62.5m	256	0
RP127-23/24	Wintering	VP3	25/01/2024	14:27:00	1	80	62.5m	80	0
RP129-23/24	Wintering	VP4	25/01/2024	08:55:00	1	6	35m	0	6
RP132-23/24	Wintering	VPB	29/01/2024	13:40:00	1	10	10m	0	10
RP135-23/24	Wintering	VPA	02/02/2024	14:20:00	1	25	15m	25	0
RP137-23/24	Wintering	VP1, VP2	23/02/2024	11:37:00	1	105	62.5m	5	100
RP142-23/24	Wintering	VP1	23/02/2024	13:10:00	1	38	15m	0	38
RP146-23/24	Wintering	VP1	23/02/2024	14:41:00	1	66	15m	33	33
RP148-23/24	Wintering	VP2	23/02/2024	10:47:00	1	18	15m	2	16
RP169-23/24	Wintering	VPA	26/02/2024	10:57:00	1	120	62.5m	0	120
RP172-23/24	Wintering	VPA	26/02/2024	12:05:00	1	50	63.5m	50	0
RP179-23/24	Wintering	VPA	26/02/2024	14:51:00	1	33	62.5m	25	8
RP188-23/24	Wintering	VPB	26/02/2024	13:09:00	1	100	15m	50	50
RP191-23/24	Wintering	VP1	21/03/2024	08:24:00	1	600	2.5m	0	600
RP202-23/24	Wintering	VP1	21/03/2024	10:21:00	1	15	30m	15	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP210-23/24	Wintering	VP3	21/03/2024	11:45:00	1	32	62.5m	0	32
N/A	Wintering	VPB	27/03/2024	13:22:00	1	18	15m	-	-
RP222-23/24	Wintering	VP4	27/03/2024	11:53:00	1	12	35m	0	12
RP228-23/24	Wintering	VP5	27/03/2024	13:05:00	1	25	62.5m	0	25
RP229-23/24	Wintering	VP5	27/03/2024	13:06:00	1	65	50m	25	40
RP231-23/24	Wintering	VP5	27/03/2024	14:44:00	1	90	32.5m	0	90
RP238-23/24	Wintering	VPA	27/03/2024	13:55:00	1	40	15m	40	0
RP244-23/24	Wintering	VPB	27/03/2024	10:15:00	1	74	15m	70	4
RP245-23/24	Wintering	VPB	27/03/2024	10:27:00	2	50	15m	45	5
RP249-23/24	Wintering	VPB	27/03/2024	11:00:00	1	20	15m	0	20
RP255-23/24	Wintering	VPB	27/03/2024	12:48:00	2	220	2.5m	220	0
RP1-24	Breeding	VPB	28/05/2024	10:29:00	1	35	15m	20	15
RP5-24	Breeding	VP4	29/05/2024	10:42:00	1	180	17.5m	120	60
RP19-24	Breeding	VP2	31/05/2024	09:40:00	1	18	62.5m	0	18
RP22-24	Breeding	VP5	31/05/2024	10:19:00	1	120	15m	0	120
RP24-24	Breeding	VP2	31/05/2024	10:40:00	1	255	62.5m	0	255
RP33-24	Breeding	VP1, VP2	31/05/2024	11:54:00	1	128	2.5m	128	0
RP34-24	Breeding	VP5	31/05/2024	12:10:00	1	40	10m	0	40
RP40-24	Breeding	VP2	31/05/2024	13:11:00	1	600	62.5m	540	60
RP42-24	Breeding	VP2, VP1	31/05/2024	13:33:00	1	19	17.5m	0	19
RP43-24	Breeding	VP5	31/05/2024	14:06:00	1	45	12.5m	0	45
RP49-24	Breeding	VP5	24/06/2024	08:53:00	1	120	62.5m	0	120
RP50-24	Breeding	VP5	24/06/2024	09:11:00	1	240	62.5m	0	240
RP54-24	Breeding	VP5	24/06/2024	09:40:00	1	40	62.5m	0	40
RP56-24	Breeding	VP3	24/06/2024	09:44:00	1	106	62.5m	60	46



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP58-24	Breeding	VP5	24/06/2024	09:59:00	1	70	62.5m	0	70
RP60-24	Breeding	VP3	24/06/2024	10:49:00	1	60	62.5m	60	0
RP62-24	Breeding	VP3	24/06/2024	11:15:00	1	360	62.5m	360	0
RP63-24	Breeding	VPB	24/06/2024	11:28:00	1	25	35m	15	10
RP65-24	Breeding	VP5	24/06/2024	11:43:00	1	60	15m	0	60
RP70-24	Breeding	VP5	24/06/2024	11:55:00	1	30	15m	0	30
RP74-24	Breeding	VP3	24/06/2024	12:10:00	1	50	62.5m	50	0
RP78-24	Breeding	VPB	24/06/2024	12:21:00	1	50	45m	0	50
RP79-24	Breeding	VP3	24/06/2024	12:28:00	1	74	62.5m	0	74
RP82-24	Breeding	VP5	24/06/2024	12:34:00	1	20	15m	0	20
RP83-24	Breeding	VPB	24/06/2024	12:40:00	1	12	35m	0	12
RP84-24	Breeding	VP1	24/06/2024	12:42:00	1	40	27.5m	40	0
RP86-24	Breeding	VP3	24/06/2024	12:58:00	1	Unknown	62.5m	Unknown	Unknown
RP93-24	Breeding	VP1	24/06/2024	14:05:00	1	35	15m	35	0
RP95-24	Breeding	VP3	24/06/2024	14:24:00	1	50	62.5m	0	50
RP96-24	Breeding	VP1	24/06/2024	14:25:00	1	30	7.5m	30	0
RP102-24	Breeding	VP4	26/06/2024	09:39:00	1	50	21m	0	50
RP105-24	Breeding	VP4	26/06/2024	12:30:00	1	25	30m	0	25
RP107-24	Breeding	VP4	26/06/2024	14:46:00	1	45	40m	0	45
RP109-24	Breeding	VPA	27/06/2024	09:18:00	1	60	15m	10	50
RP110-24	Breeding	VPA	27/06/2024	09:28:00	1	120	15m	30	90
RP112-24	Breeding	VPA	27/06/2024	10:00:00	1	30	2.5m	0	30
RP115-24	Breeding	VP5	24/07/2024	09:33:00	1	60	5m	0	60
RP116-24	Breeding	VP5	24/07/2024	09:45:00	1	30	5m	0	30
RP117-24	Breeding	VP5	24/07/2024	10:14:00	1	30	4m	0	30



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP118-24	Breeding	VP5	24/07/2024	11:08:00	1	30	4m	0	30
RP120-24	Breeding	VP4	24/07/2024	11:29:00	1	24	62.5m	24	0
RP121-24	Breeding	VP4	24/07/2024	11:37:00	1	195	15m	0	195
RP124-24	Breeding	VP4	24/07/2024	13:12:00	1	200	62.5m	60	140
RP125-24	Breeding	VP2	24/07/2024	13:15:00	1	40	15m	40	0
RP127-24	Breeding	VP4	24/07/2024	13:18:00	1	360	15m	0	360
RP130-24	Breeding	VP4	24/07/2024	14:15:00	1	28	62.5m	0	28
RP131-24	Breeding	VP4	24/07/2024	14:19:00	1	28	62.5m	0	60
N/A	Breeding	VPB	29/07/2024	12:50:00	1	-	15m	-	-
RP133-24	Breeding	VPB	29/07/2024	11:10:00	1	20	15m	20	0
RP134-24	Breeding	VPB	29/07/2024	11:13:00	1	120	15m	120	0
RP135-24	Breeding	VPB	29/07/2024	11:20:00	1	150	15m	100	50
RP136-24	Breeding	VPB	29/07/2024	12:11:00	1	20	15m	0	20
RP140-24	Breeding	VPA	29/07/2024	13:59:00	1	25	35m	25	0
RP142-24	Breeding	VPA	29/07/2024	14:30:00	1	240	45m	0	240
RP144-24	Breeding	VPA	29/07/2024	15:01:00	1	50	17.5m	0	50
RP145-24	Breeding	VPA	23/08/2024	09:05:00	1	20	2.5m	20	0
RP146-24	Breeding	VP4	23/08/2024	10:05:00	1	8	30m	0	8
RP148-24	Breeding	VPA	23/08/2024	12:00:00	1	25	2.5m	25	0
RP150-24	Breeding	VPA	23/08/2024	12:30:00	1	120	15m	120	0
RP151-24	Breeding	VPA	23/08/2024	12:32:00	1	80	15m	80	0
RP155-24	Breeding	VPA	23/08/2024	13:34:00	2	20	15m	20	0
RP156-24	Breeding	VPA	23/08/2024	14:10:00	1	20	2.5m	0	20
RP158-24	Breeding	VP5	28/08/2024	09:27:00	1	100	15m	0	100
RP160-24	Breeding	VPB	28/08/2024	11:12:00	1	180	15m	180	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP161-24	Breeding	VPB	28/08/2024	11:15:00	1	1920	15m	1920	0
RP162-24	Breeding	VP3	28/08/2024	11:40:00	3	40	17.5m	40	0
RP163-24	Breeding	VPB	28/08/2024	11:58:00	1	48	15m	0	48
RP164-24	Breeding	VP5	28/08/2024	12:12:00	1	54	15m	0	54
RP167-24	Breeding	VP3	28/08/2024	12:53:00	1	25	22.5m	25	0
RP170-24	Breeding	VP1	28/08/2024	13:02:00	1	10	2.5m	10	0
RP171-24	Breeding	VP5	28/08/2024	13:10:00	1	16	15m	0	16
RP172-24	Breeding	VP3	28/08/2024	13:18:00	2	65	15m	65	0
RP173-24	Breeding	VPB	28/08/2024	13:20:00	1	840	12.5m	840	0
RP175-24	Breeding	VP5	28/08/2024	13:36:00	1	34	15m	0	34
RP178-24	Breeding	VP2	28/08/2024	14:03:00	1	15	40m	15	0
RP180-24	Breeding	VP3	28/08/2024	14:06:00	1	40	22.5m	40	0
RP181-24	Breeding	VP5	28/08/2024	14:11:00	1	32	15m	0	32
RP183-24	Breeding	VP5	28/08/2024	14:15:00	1	106	27.5m	0	106
RP187-24	Breeding	VP1	23/09/2024	12:53:00	1	420	12.5m	300	120
RP188-24	Breeding	VP1	23/09/2024	13:05:00	1	60	7.5m	10	50
RP191-24	Breeding	VP2	23/09/2024	13:39:00	1	13	40m	13	0
RP194-24	Breeding	VP2	23/09/2024	14:14:00	1	140	35m	140	0
RP195-24	Breeding	VP2	23/09/2024	14:15:00	1	60	40m	60	0
N/A	Breeding	VP4	24/09/2024	14:20:00	1	-	62.5m	-	-
RP196-24	Breeding	VP5	24/09/2024	08:51:00	1	36	15m	0	36
RP197-24	Breeding	VP4	24/09/2024	08:55:00	1	20	15m	0	20
RP198-24	Breeding	VP4	24/09/2024	09:00:00	1	35	2.5m	0	35
RP200-24	Breeding	VP4	24/09/2024	09:21:00	1	60	62.5m	55	5
RP201-24	Breeding	VP5	24/09/2024	09:28:00	1	32	15m	32	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP207-24	Breeding	VP5	24/09/2024	11:01:00	1	43	15m	0	43
RP209-24	Breeding	VP3	24/09/2024	11:30:00	1	25	30m	20	5
RP211-24	Breeding	VP5	24/09/2024	12:15:00	1	18	62.5m	0	18
RP212-24	Breeding	VP3	24/09/2024	12:31:00	1	340	1m	340	0
RP213-24	Breeding	VP4	24/09/2024	12:44:00	1	35	15m	0	35
RP214-24	Breeding	VP3	24/09/2024	13:05:00	1	260	2m	260	0
RP215-24	Breeding	VP5	24/09/2024	13:12:00	1	104	62.5m	0	104
RP218-24	Breeding	VP3	24/09/2024	13:35:00	1	65	40m	65	0
RP219-24	Breeding	VP5	24/09/2024	13:50:00	1	52	62.5m	0	52
RP223-24	Breeding	VPA	27/09/2024	11:41:00	1	660	40m	0	660
RP225-24	Breeding	VPA	27/09/2024	12:49:00	1	25	37.5m	25	0
RP226-24	Breeding	VPA	27/09/2024	13:04:00	1	720	26m	360	360
RP228-24	Breeding	VPB	28/09/2024	14:02:00	1	20	2.5m	10	10

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00010	Winter	VP1	28/10/2025	13:33:00	1	5	32	120	0	0	157
F00027	Winter	VP2	30/10/2025	08:37:00	1	31	0	0	0	0	31
F00051	Winter	VP5	17/10/2025	11:58:00	1	0	25	13	0	0	38
F00061	Winter	VP4	21/11/2025	11:10:00	1	33	0	0	0	0	33



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00148	Winter	VP3	28/11/2025	13:03:00	1	0	122	284	0	0	406
F00150	Winter	VP3	28/11/2025	13:09:00	1	0	85	0	0	0	85
F00153	Winter	VP3	28/11/2025	13:42:00	1	0	23	218	0	0	241
F00154	Winter	VP3	28/11/2025	13:46:00	1	0	0	192	0	0	192
F00157	Winter	VP3	28/11/2025	13:54:00	1	0	0	64	0	0	64
F00165	Winter	VP5	08/12/2025	11:44:00	1	0	0	18	200	0	218
F00167	Winter	VP5	08/12/2025	13:58:00	1	8	60	60	60	0	188
F00171	Winter	VP5	08/12/2025	16:02:00	1	13	120	0	0	0	133
F00222	Winter	VP1	02/12/2025	15:48:00	1	0	0	244	0	0	244
F00251	Winter	VP2	03/12/2025	12:29:00	1	0	0	553	0	0	553
F00254	Winter	VP2	03/12/2025	12:54:00	1	0	0	254	0	0	254
F00255	Winter	VP2	03/12/2025	13:12:00	1	0	0	63	0	0	63
F00260	Winter	VP2	03/12/2025	13:51:00	1	0	0	23	0	0	23
F00263	Winter	VP2	03/12/2025	14:15:00	1	0	0	618	0	0	618
F00286	Winter	VP3	04/12/2025	13:53:00	1	0	0	28	0	0	28
F00333	Winter	VP2	21/01/2026	12:04:00	1	0	0	74	0	0	74
F00334	Winter	VP2	21/01/2026	12:13:00	1	0	101	48	0	0	149
F00335	Winter	VP2	21/01/2026	12:21:00	1	0	53	118	0	0	171
F00336	Winter	VP2	21/01/2026	12:30:00	1	0	0	91	0	0	91
F00340	Winter	VP2	21/01/2026	14:11:00	1	0	23	21	0	0	44
F00382	Winter	VP4	11/02/2026	08:18:00	1	10	25	0	0	0	35
F00395	Winter	VP1	10/02/2026	13:16:00	1	0	35	0	0	0	35
F00402	Winter	VP1	10/02/2026	17:34:00	1	0	0	106	0	0	106
F00418	Winter	VP3	13/02/2026	09:10:00	1	0	34	0	0	0	34
F00452	Winter	VP1	24/02/2026	12:47:00	1	0	0	25	0	0	25



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00469	Winter	VP1	24/02/2026	17:57:00	1	0	137	0	0	0	137
F00470	Winter	VP1	24/02/2026	18:09:00	1	11	45	33	0	0	89
F00471	Winter	VP2	25/02/2026	12:53:00	1	0	61	0	0	0	61
F00475	Winter	VP2	25/02/2026	13:37:00	1	0	23	0	0	0	23
F00480	Winter	VP2	25/02/2026	16:24:00	1	0	0	70	0	0	70
F00481	Winter	VP2	25/02/2026	16:33:00	1	12	0	0	0	0	12
F00482	Winter	VP2	25/02/2026	16:38:00	1	0	64	0	0	0	64
F00495	Winter	VP3	26/02/2026	14:26:00	1	0	0	137	0	0	137
F00498	Winter	VP3	26/02/2026	14:55:00	1	0	54	89	12	0	155
F00501	Winter	VP3	26/02/2026	16:26:00	1	34	43	307	84	0	468
F00505	Winter	VP3	26/02/2026	17:12:00	1	0	104	0	0	0	104
F00538	Winter	VP2	17/02/2026	11:45:00	1	0	29	0	0	0	29

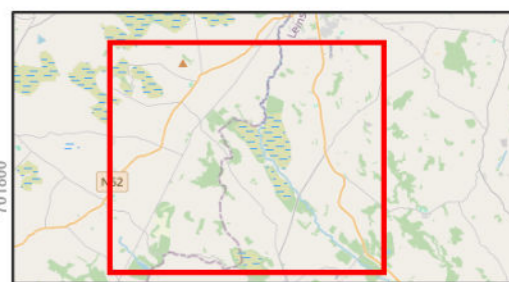
Ecology Ireland Transect Survey																								
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)	
2020	1	1	1	-	1	-	-	1	-	-	1	-	1	-	-	1	-	-	-	-	-	-	-	-
2022/2023	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	1	-	-	1	-	-
2020/2021	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2023	1	-	1	-	-	-	1	-	-	1	-	-	-	-	1	-	-	1	-	1	1	-	-	
2023/2024	-	-	-	1	-	1	1	-	1	-	1	-	-	1	-	-	-	-	1	-	-	-	-	1
2024	1	-	1	-	1	-	1	-	1	-	-	1	-	-	-	1	-	-	1	-	1	-	1	-



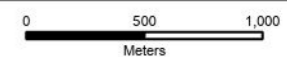
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00265	Winter	Transect	T2,5,6	24/11/2025	12:54:00	1	PB1	in flight
P00273	Winter	Transect	T2,5,6	24/11/2025	14:21:00	1	WS1	in flight
P00348	Winter	Transect	T1	11/12/2025	09:10:00	1	WD4	in flight
P00355	Winter	HH roost	HHVP2	10/12/2025	16:08:00	1	GA1	in flight
P00480	Winter	HH roost	HHVP2	03/12/2025	15:20:00	1	PB1	N/A
P00646	Winter	Transect	T1, T3, T4	11/02/2026	12:33:00	1	GS4	N/A
P00664	Winter	Transect	T1, T3, T4	11/02/2026	14:57:00	1	PB1	N/A
P00721	Winter	Transect	T3	09/03/2026	12:02:00	1	PB4	N/A
P00803	Winter	Transect	T2	13/03/2026	16:11:00	1	PB1	Hunting
P00803	Winter	Transect	T2	13/03/2026	16:11:00	1	PB1	Hunting

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Ashton Callows	26/11/2025	N/A	1	N/A	N/A
Winter	I-WeBS	Little Brosna Callow Hut	01/12/2025	N/A	1	N/A	N/A





- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
- Flightlines - TOBIN 2025/26
- Kestrel
- Flightlines - Ecology Ireland 2020 - 2024
- Species
- Kestrel



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 28:
 Kestrel observations
 over the survey period
 (May 2020 – March 2026)
 Overview**

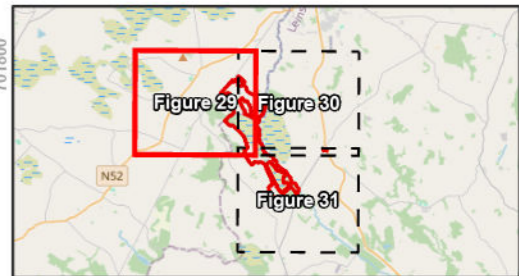
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Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

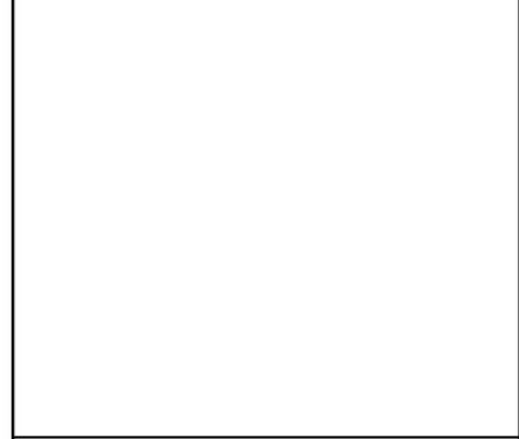
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 www.tobin.ie

Map Ref: 11333-008.ApX-VP-K-SUM-A_overview Draft: **A**



- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - Ecology Ireland 2020 - 2024
 - Kestrel



Spatial Reference Datum: IRENET95 EPSG: 2157	Copyrights: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community.
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Rev	Date	Description	By	Chkd.
A	07/04/2026	First issue	K.K	J.S

Client:

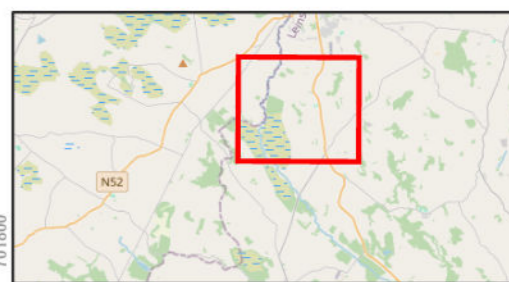
Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 29:
Kestrel observations
over the survey period
(May 2020 – March 2026)
- Sheet 1 of 3 -**

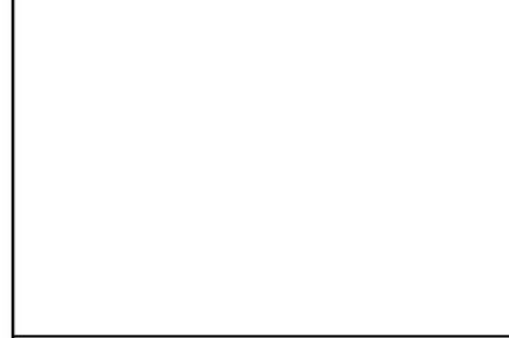
Scale @ A3: 1:14,000
Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-008.ApX.BBS-VP-K-SUM-A Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
- Flightlines - TOBIN 2025/26
- Kestrel
- Flightlines - Ecology Ireland 2020 - 2024
- Kestrel



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EPSG: 2157			
A	02/04/2026	First issue	K.K J.S
Rev	Date	Description	By Chkd.

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 33:
Kestrel observations
over the survey period
(May 2020 – March 2026)
- Sheet 2 of 3 -**

Scale @ A3: 1:17,000

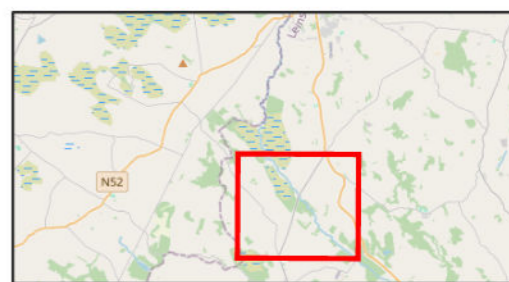
Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-008.ApX.WBS-VP-K-SUM-A Draft: **A**



- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - TOBIN 2025/26
 - Kestrel
 - Flightlines - Ecology Ireland 2020 - 2024
 - Kestrel

0		250		500	
Meters					
Spatial Reference			Copyrights:		
Datum: IRENET95			Sources: Esri, TomTom, Garmin, FAO,		
EPSG: 2157			NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community,		

A	02/04/2026	First issue	K.K	J.S
Rev	Date	Description	By	Chkd.

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 34:
Kestrel observations
over the survey period
(May 2020 – March 2026)
- Sheet 3 of 3 -**

Scale @ A3: 1:17,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-008.ApX.WBS-VP-K-SUM-A Draft: **A**

Appendix 7-1 - X LAPWING



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
N/A	Wintering	VP, 1	05/11/2020	10:08:00	1	14	80m	4	10
N/A	Wintering	VP, 1	05/11/2020	10:25:00	50	60	100m	10	50
WD10-20/21	Wintering	VP, 2	05/11/2020	10:39:00	39	20	62.5m	20	0
WD11-20/21	Wintering	VP, 2	05/11/2020	11:14:00	10	60	62.5m	30	30
WD12-20/21	Wintering	VP, 1	05/11/2020	11:17:00	22	35	125m	35	0
WD13-20/21	Wintering	VP, 1	05/11/2020	11:19:00	3	17	75m	17	0
WD14-20/21	Wintering	VP, 5	05/11/2020	11:51:00	7	130	200m	0	130
WD15-20/21	Wintering	VP, 5	05/11/2020	11:57:00	30	120	175m	0	120
WD16-20/21	Wintering	VP, 3, VP, 1	05/11/2020	12:22:00	21	222	115m	122	100
WD17-20/21	Wintering	VP, 5	05/11/2020	12:49:00	60	175	150m	0	175
WD18-20/21	Wintering	VP, 1	05/11/2020	12:51:00	40	40	50m	40	0
WD19-20/21	Wintering	VP, 5, VP, 3	05/11/2020	13:09:00	13	230	162.5m	190	40
WD6-20/21	Wintering	VP, 2	05/11/2020	09:10:00	20	20	62.5m	20	0
WD7-20/21	Wintering	VP, 1, VP, 3, VP, 5	05/11/2020	10:09:00	9	155	127.5m	145	10
WD9-20/21	Wintering	VP, 3	05/11/2020	10:24:00	71	306	40m	122	184
WD24-20/21	Wintering	VP, 1	04/12/2020	10:27:00	11	40	20m	0	40
WD25-20/21	Wintering	VP, 5	04/12/2020	10:47:00	20	30	15m	20	10
WD27-20/21	Wintering	VP, 4	04/12/2020	11:15:00	Unknown	Unknown	0m	Unknown	Unknown
WD32-20/21	Wintering	VP, 2	14/01/2021	09:51:00	18	145	40m	0	145
WD34-20/21	Wintering	VP, 2	14/01/2021	15:12:00	9	124	17.5m	0	124
WD37-20/21	Wintering	VP, 2	09/02/2021	09:30:00	12	70	100m	50	20



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WD1-21/22	Wintering	VP3	18/11/2021	11:03:00	70	120	25m	0	120
N/A	Wintering	VP3	02/12/2021	10:06:00	10	35	5m	0	35
WD6-21/22	Wintering	VP3	14/01/2022	09:22:00	13	25	25m	20	5
WD10-21/22	Wintering	VP3	10/02/2022	09:32:00	15	228	25m	0	228
WD11-21/22	Wintering	VP3	10/02/2022	11:55:00	12	53	25m	0	53
WD12-21/22	Wintering	VP2	11/02/2022	12:49:00	20	10	5m	0	10
WD2-22/23	Wintering	VP1, VP5, VP2	28/11/2022	10:47:00	97	240	45m	70	170
WD5-22/23	Wintering	VP2, VP1	28/11/2022	14:36:00	60	50	25m	50	0
WD6-22/23	Wintering	VPA	30/11/2022	10:03:00	200	156	62.5m	0	156
WD10-22/23	Wintering	VP4	20/12/2022	09:36:00	22	82	62.5m	0	82
WD11-22/23	Wintering	VP3	20/12/2022	10:21:00	3	40	62.5m	40	0
WD12-22/23	Wintering	VP4	20/12/2022	10:28:00	4	26	15m	26	0
WD14-22/23	Wintering	VPB, VP3	20/12/2022	13:08:00	6	72	2.5m	22	50
WD15-22/23	Wintering	VPB	20/12/2022	14:00:00	2	58	15m	8	50
WD20-22/23	Wintering	VP2	21/12/2022	11:05:00	1	45	65m	0	45
WD46-22/23	Wintering	VPA	27/01/2023	10:10:00	3	60	2.5m		60
WD48-22/23	Wintering	VP3	27/01/2023	14:18:00	120	471	60m		471
WD21-22/23	Wintering	VPA, VPB	20/02/2023	09:33:00	25	33	5m	33	0
WD22-22/23	Wintering	VPA, VP3	20/02/2023	09:40:00	60	1700	200m	0	1700
WD23-22/23	Wintering	VP3	20/02/2023	10:09:00	65	79	62.5m	0	79
WD24-22/23	Wintering	VPA	20/02/2023	12:15:00	80	20	110m	20	0
WD25-22/23	Wintering	VPA	20/02/2023	12:34:00	35	99	20m	0	99
WD26-22/23	Wintering	VP4	20/02/2023	12:43:00	40	180	25m	10	170



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WD27-22/23	Wintering	VPA	20/02/2023	12:50:00	40	60	12.5m	35	25
WD28-22/23	Wintering	VP5	20/02/2023	12:51:00	1	72	90m	60	12
WD29-22/23	Wintering	VPB	20/02/2023	13:17:00	100	35	20m	10	25
WD30-22/23	Wintering	VPA	20/02/2023	14:10:00	115	277	40m	77	200
WD31-22/23	Wintering	VP4	20/02/2023	14:16:00	100	120	25m	10	110
WD40-22/23	Wintering	VPA	27/03/2023	10:59:00	3	58	62.5m	29	29
WD2-23	Breeding	VPA	20/07/2023	09:08:00	4	180	2.5m	180	0
WD11-23/24	Wintering	VP4	24/10/2023	14:34:00	16	155	62.5m	0	155
WD14-23/24	Wintering	VPA	24/10/2023	10:40:00	14	180	45m	10	170
WD15-23/24	Wintering	VPA	24/10/2023	10:43:00	19	56	60m	0	56
WD16-23/24	Wintering	VPA	24/10/2023	14:11:00	55	654	75m	0	654
WD9-23/24	Wintering	VP3, VP5	24/10/2023	10:39:00	14	45	60m	45	0
WD25-23/24	Wintering	VP4, VPA	27/11/2023	11:02:00	95	36	62.5m	14	120
WD27-23/24	Wintering	VP5	27/11/2023	10:59:00	10	25	15m	25	0
WD31-23/24	Wintering	VPA	20/12/2023	09:52:00	100	160	62.5m	0	160
WD49-23/24	Wintering	VPA	26/02/2024	09:48:00	45	240	62.5m	0	240
WD50-23/24	Wintering	VPA	26/02/2024	10:03:00	16	360	15m	180	180



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00011	Winter	VP1	28/10/2025	13:52:00	14	8	20	120	0	0	148
F00014	Winter	VP1	28/10/2025	14:33:00	50	0	15	60	60	0	135
F00022	Winter	VP1	28/10/2025	16:15:00	60	8	10	60	0	0	78
F00028	Winter	VP2	30/10/2025	08:54:00	18	0	0	0	0	183	183
F00030	Winter	VP2	30/10/2025	09:10:00	18	0	0	0	120	60	180
F00085	Winter	VP1	27/11/2025	09:14:00	32	0	0	20	0	0	20
F00093	Winter	VP1	27/11/2025	12:33:00	109	109	184	301	0	0	594
F00113	Winter	VP2	25/11/2025	13:02:00	66	0	13	29	0	0	42
F00152	Winter	VP3	28/11/2025	13:41:00	107	0	9	89	0	0	98
F00206	Winter	VP1	02/12/2025	13:05:00	12	0	25	0	0	0	25
F00209	Winter	VP1	02/12/2025	13:17:00	28	0	0	65	0	0	65
F00216	Winter	VP1	02/12/2025	14:45:00	26	4	39	0	0	0	43
F00231	Winter	VP2	03/12/2025	08:45:00	27	0	0	46	0	0	46
F00246	Winter	VP2	03/12/2025	10:45:00	32	0	0	69	0	0	69
F00262	Winter	VP2	03/12/2025	14:03:00	72	0	0	67	124	0	191
F00268	Winter	VP3	04/12/2025	09:19:00	66	0	3	47	0	0	50
F00273	Winter	VP3	04/12/2025	10:28:00	120	0	0	0	0	92	92
F00277	Winter	VP3	04/12/2025	11:56:00	74	0	0	93	0	0	93
F00417	Winter	VP2	12/02/2026	13:47:00	6	0	18	0	0	0	18
F00532	Winter	VP2	17/02/2026	10:48:00	29	0	0	62	0	0	62
F00540	Winter	VP2	17/02/2026	12:22:00	1	4	23	35	0	0	62



Ecology Ireland Transect Survey																								
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)	
2022/2023	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	2	-	-	-
2020/2021	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2023/2024	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	3

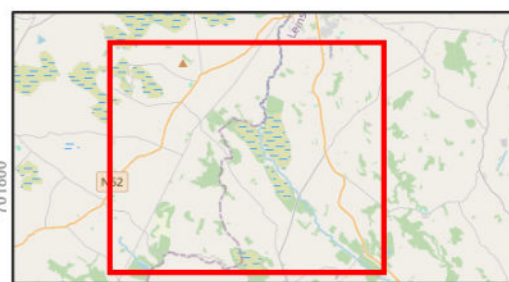
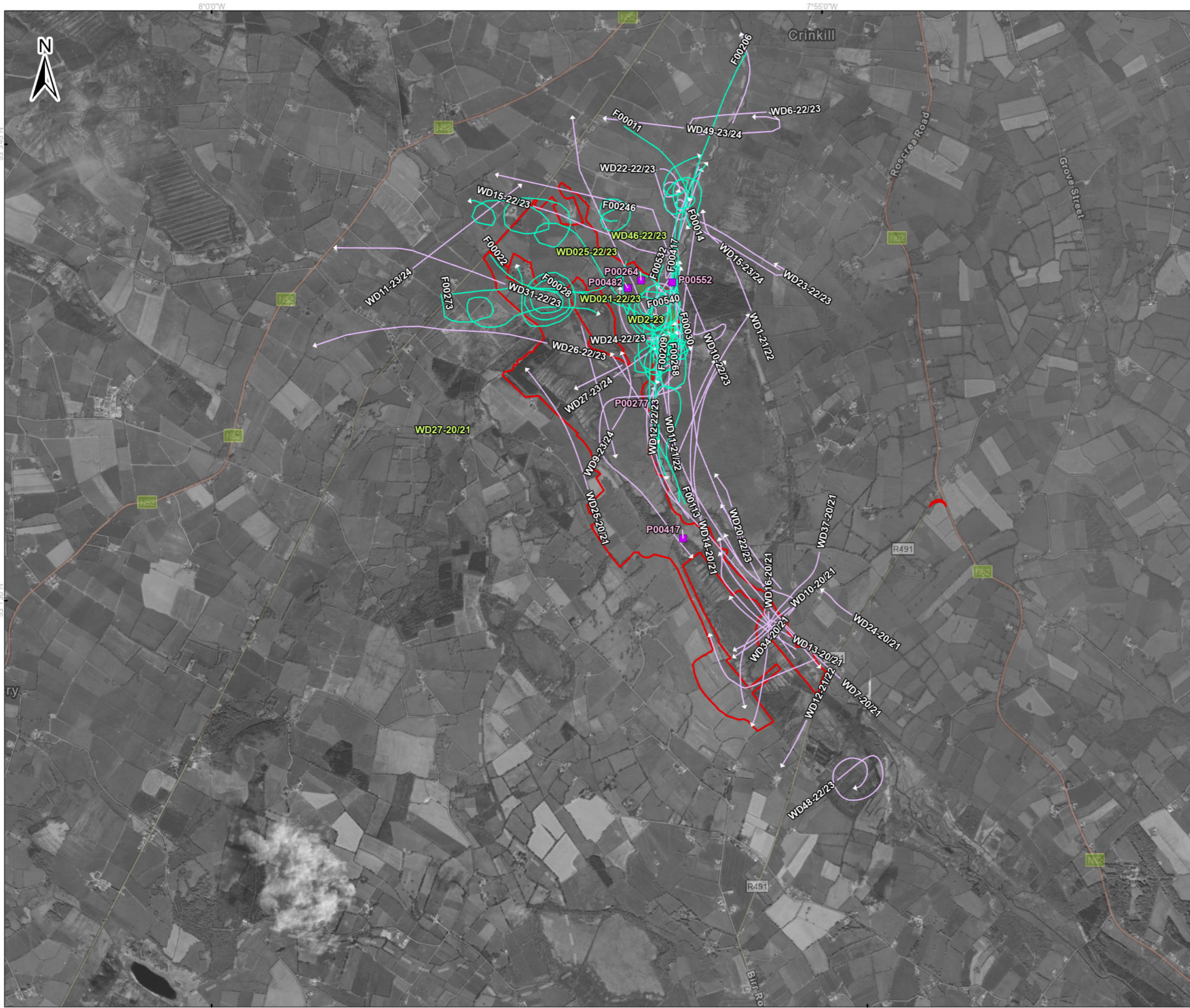
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00264	Winter	Transect	T2,5,6	24/11/2025	12:35:00	145	GA1	on ground
P00277	Winter	HH roost	HHVP1	24/11/2025	15:58:00	12	FW2	in flight
P00417	Winter	VP	VP3	04/12/2025	10:28:00	5	N/A	N/A
P00482	Winter	HH roost	HHVP2	03/12/2025	15:55:00	67	GA1	N/A
P00552	Winter	Transect	T2, T5, T6	22/01/2026	13:02:00	4	GA1	on ground

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Site 2	15/10/2025	N/A	46	N/A	N/A
Winter	I-WeBS	All Saints Bog SPA	26/11/2025	N/A	1000	N/A	N/A
Winter	I-WeBS	Little Brosna Callows SPA	26/11/2025	N/A	35	N/A	N/A
Winter	I-WeBS	Ashton Callows	26/11/2025	N/A	157	N/A	N/A
Winter	I-WeBS	Dovegrove Callows	26/11/2025	N/A	5	N/A	N/A
Winter	I-WeBS	Clonfree 1	26/11/2025	N/A	15	N/A	N/A
Winter	I-WeBS	Dovesgrove Callows	01/12/2025	N/A	71	N/A	N/A



TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Little Brosna Callow Hut	01/12/2025	N/A	1100	N/A	N/A
Winter	I-WeBS	Little Brosna Callow Hut	16/01/2026	N/A	172	N/A	N/A
Winter	I-WeBS	Dovegrove Callows	09/02/2026	N/A	71	N/A	N/A
Winter	I-WeBS	Little Brosna callow hut	09/02/2026	N/A	2300	N/A	N/A
Winter	I-WeBS	Ashton callow hut	09/02/2026	N/A	310	N/A	N/A

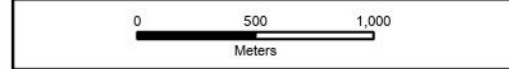




- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - ▭ Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Flightlines - Ecology Ireland 2020 - 2024

Flightlines - TOBIN 2025/26

- Lapwing
- Flightlines - Ecology Ireland 2020 - 2024
- Lapwing



Spatial Reference
 Datum: IRENET95
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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 35:
 Lapwing observations
 over the survey period
 (May 2020 – March 2026)**

Scale @ A3: 1:32,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-009.ApX-VP-L.-SUM-A Draft: **A**

Appendix 7-1 - XI LESSER BLACK-BACKED GULL



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT53-20	Breeding	VP4	04/06/2020	11:05:00	1	12	45m	0	12
WT73-20	Breeding	VP1	04/06/2020	14:15:00	1	90	17.5m	90	0
WT80-20	Breeding	VP4	10/07/2020	09:30:00	2	9	20m	9	0
WT81-20	Breeding	VP4	10/07/2020	09:40:00	2	300	100m	300	0
WT82-20	Breeding	VP4	10/07/2020	09:45:00	10	11	22.5m	11	0
WT83-20	Breeding	VP4	10/07/2020	09:52:00	2	125	80m	60	65
WT84-20	Breeding	VP4	10/07/2020	09:59:00	10	10	17.5m	8	2
WT89-20	Breeding	VP4	10/07/2020	11:28:00	9	120	35m	120	0
WT90-20	Breeding	VP5	10/07/2020	11:29:00	4	30	80m	0	30
WT91-20	Breeding	VP2	10/07/2020	11:30:00	5	120	150m	0	120
WT93-20	Breeding	VP2	10/07/2020	12:55:00	1	210	47.5m	0	210
WT94-20	Breeding	VP2, VP5	10/07/2020	12:55:00	1	460	65m	120	340
WT95-20	Breeding	VP3	10/07/2020	13:13:00	1	60	75m	60	0
WT95-20	Breeding	VP3	10/07/2020	13:13:00	1	60	75m	60	0
WT97-20	Breeding	VP2	10/07/2020	13:38:00	2	80	62.5m	0	80
WT100-20	Breeding	VP5	14/08/2020	13:01:00	1	50	150m	0	50
WT1-20/21	Wintering	VP, 4	08/10/2020	08:55:00	1	60	15m	30	30
WT10-20/21	Wintering	VP, 4	08/10/2020	09:25:00	20	60	5m	0	60
WT11-20/21	Wintering	VP, 4	08/10/2020	09:26:00	10	60	5m	0	60
WT13-20/21	Wintering	VP, 4	08/10/2020	09:40:00	13	60	5m	0	60
WT17-20/21	Wintering	VP, 4	08/10/2020	09:52:00	20	60	5m	0	60
WT18-20/21	Wintering	VP, 1	08/10/2020	10:01:00	1	5	3m	5	0
WT19-20/21	Wintering	VP, 4	08/10/2020	10:04:00	16	60	5m	0	60



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT3-20/21	Wintering	VP, 4	08/10/2020	09:05:00	200	120	0m	120	0
WT31-20/21	Wintering	VP, 4	08/10/2020	14:30:00	10	30	62.5m	0	30
WT4-20/21	Wintering	VP, 4	08/10/2020	09:07:00	200	120	15m	120	0
WT5-20/21	Wintering	VP, 3	08/10/2020	09:08:00	45	240	150m	240	0
WT6-20/21	Wintering	VP, 3	08/10/2020	09:12:00	26	360	200m	0	360
WT8-20/21	Wintering	VP, 4	08/10/2020	09:15:00	5	60	5m	0	60
WT41-20/21	Wintering	VP, 3	05/11/2020	11:25:00	16	178	45m	178	0
WT42-20/21	Wintering	VP, 4	05/11/2020	11:49:00	3	25	40m	0	25
WT57-20/21b	Wintering	VP, 3	05/11/2020	13:58:00	2	140	55m	0	140
WT66-20/21	Wintering	VP, 3	05/11/2020	14:58:00	19	116	70m	116	0
WT3-21	Breeding	VP2	23/04/2021	10:25:00	2	108	90m	0	108
WT29-21	Breeding	VP1	17/05/2021	13:59:00	10	45	100m+	0	45
WT35-21	Breeding	VP3	11/06/2021	10:53:00	5	70	30m	70	0
WT38-21	Breeding	VP5	11/06/2021	10:54:00	5	45	62.5m	0	45
WT56-21	Breeding	VP4	18/08/2021	11:25:00	1	15	62.5m	15	0
WT57-21	Breeding	VP4	18/08/2021	11:30:00	6	20	62.5m	20	0
WT58-21	Breeding	VP4	18/08/2021	14:20:00	25	20	16.5m	0	20
WT60-21	Breeding	VP3	18/08/2021	11:44:00	8	55	25m	25	30
WT7-21/22	Wintering	VP3	18/11/2021	10:28:00	2	323	25m	300	23
WT78-21/22	Wintering	VP5	06/12/2021	14:15:00	1	56	40m	0	56
WT202-21/22	Wintering	VP2, VP3, VP5	14/03/2022	11:36:00	6	1235	25m	1125	110
WT169-22/23	Wintering	VPA	20/02/2023	12:00:00	2	102	25m	102	0
WT205-22/23	Wintering	VPA	27/03/2023	10:15:00	3	191	62.5m	0	191



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT206-22/23	Wintering	VPA, VPB	27/03/2023	10:27:00	2	100	62.5m	80	20
WT208-22/23	Wintering	VPA	27/03/2023	10:36:00	9	520	62.5m	260	260
WT209-22/23	Wintering	VP4	27/03/2023	10:40:00	13	74	20m	20	54
WT212-22/23	Wintering	VPB	27/03/2023	10:47:00	9	80	62.5m	40	40
WT213-22/23	Wintering	VPA	27/03/2023	10:53:00	5	310	62.5m	150	160
WT221-22/23	Wintering	VPA	27/03/2023	11:28:00	7	330	62.5m	0	330
WT226-22/23	Wintering	VPA	27/03/2023	12:31:00	80	600	62.5m	0	600
WT17-23	Breeding	VP1	30/05/2023	14:29:00	1	26	45m	26	0
WT23-23	Breeding	VP2	23/06/2023	11:31:00	4	135	62.5m	0	135
WT26-23	Breeding	VP2	23/06/2023	13:03:00	1	40	62.5m	0	40
WT30-23	Breeding	VPA	27/06/2023	12:44:00	2	83	25m	60	23
N/A	Breeding	VPA	20/07/2023	14:07:00	11	0	25	0	0
WT39-23	Breeding	VPA	20/07/2023	09:20:00	7	69	15m	34	35
WT42-23	Breeding	VPA	20/07/2023	09:42:00	4	68	15m	34	34
WT52-23	Breeding	VPA	20/07/2023	11:45:00	1	102	15m	52	50
WT53-23	Breeding	VPA	20/07/2023	12:10:00	4	160	15m	82	78
WT55-23	Breeding	VPA	20/07/2023	12:46:00	1	110	15m	110	0
WT56-23	Breeding	VPA	20/07/2023	12:52:00	1	44	15m	22	22
WT103-23	Breeding	VP4	28/08/2023	11:01:00	3	251	100m	21	230
WT104-23	Breeding	VPB	28/08/2023	11:05:00	3	22	115m	22	0
WT105-23	Breeding	VP4, VPB	28/08/2023	11:41:00	3	237	100m	237	0
WT111-23	Breeding	VP4	28/08/2023	13:12:00	17	90	55m	0	90
WT112-23	Breeding	VPA	28/08/2023	13:17:00	1	62	75m	40	22
WT114-23	Breeding	VPB	28/08/2023	13:21:00	1	10	35m	8	2



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT115-23	Breeding	VPA	28/08/2023	13:30:00	1	126	150m	126	0
WT116-23	Breeding	VPB	28/08/2023	13:31:00	7	10	35m	8	2
WT117-23	Breeding	VP3, VP4, #14	28/08/2023	13:35:00	1	97	15m	7	90
WT120-23	Breeding	VP4	28/08/2023	14:11:00	14	136	35m	26	110
WT121-23	Breeding	VP3	28/08/2023	14:13:00	31	60	15m	15	45
WT123-23	Breeding	VP2	28/08/2023	14:18:00	3	18	40m	6	12
WT124-23	Breeding	VP4	28/08/2023	14:54:00	3	29	20m	0	29
WT78-23	Breeding	VP4	28/08/2023	09:41:00	1	57	60m	0	57
WT80-23	Breeding	VP4	28/08/2023	09:44:00	1	32	40m	32	0
WT84-23	Breeding	VPA	28/08/2023	08:19:00	2	122	125m	102	20
WT87-23	Breeding	VPB	28/08/2023	08:32:00	8	12	35m	12	0
WT88-23	Breeding	VPB	28/08/2023	09:26:00	11	10	10m	10	0
WT89-23	Breeding	VPB	28/08/2023	09:55:00	32	7	55m	7	0
WT92-23	Breeding	VP3	28/08/2023	09:20:00	3	60	62.5m	60	0
WT98-23	Breeding	VP4	28/08/2023	10:40:00	24	20	30m	12	8
WT99-23	Breeding	VPA	28/08/2023	10:42:00	5	92	10m	0	92
WT125-23	Breeding	VPB	26/09/2023	08:58:00	1	52	15m	0	52
WT128-23	Breeding	VPB	26/09/2023	09:02:00	4	54	15m	0	54
WT135-23	Breeding	VPB	26/09/2023	09:27:00	5	130	62.5m	60	70
WT136-23	Breeding	VP4	26/09/2023	09:27:00	1	12	60m	12	0
WT138-23	Breeding	VPA	26/09/2023	10:26:00	2	15	62.5m	0	15
WT140-23	Breeding	VPB, VP4	26/09/2023	12:39:00	1	310	62.5m	30	280
WT143-23	Breeding	VPB	26/09/2023	13:40:00	2	68	15m	0	68
WT144-23	Breeding	VPA	26/09/2023	13:46:00	3	120	15m	60	60



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT25-23/24	Wintering	VP4	24/10/2023	09:02:00	1	56	62.5m	30	26
WT26-23/24	Wintering	VP4	24/10/2023	09:30:00	12	58	62.5m	0	58
WT27-23/24	Wintering	VP4	24/10/2023	09:38:00	5	42	62.5m	0	42
WT28-23/24	Wintering	VP4	24/10/2023	09:40:00	2	56	62.5m	50	6
WT29-23/24	Wintering	VP4	24/10/2023	09:52:00	1	82	62.5m	2	80
WT30-23/24	Wintering	VP4	24/10/2023	10:00:00	1	42	62.5m	2	40
WT32-23/24	Wintering	VP4, VPB	24/10/2023	10:24:00	14	100	62.5m	50	50
WT33-23/24	Wintering	VP4	24/10/2023	10:34:00	1	54	62.5m	0	54
WT34-23/24	Wintering	VP4	24/10/2023	10:49:00	1	66	62.5m	20	46
WT37-23/24	Wintering	VP4	24/10/2023	12:16:00	1	64	62.5m	0	64
WT39-23/24	Wintering	VP4	24/10/2023	13:03:00	15	144	62.5m	0	144
WT53-23/24	Wintering	VPA	24/10/2023	11:21:00	7	129	35m	125	4
WT54-23/24	Wintering	VPA	24/10/2023	11:40:00	24	120	25m	120	0
WT56-23/24	Wintering	VPA	24/10/2023	13:13:00	11	120	15m	40	80
WT59-23/24	Wintering	VPB	24/10/2023	08:21:00	42	115	35m	55	60
WT60-23/24	Wintering	VPB	24/10/2023	08:34:00	2	85	75m	45	40
WT267-23/24	Wintering	VPA	02/02/2024	11:35:00	2	20	15m	14	6
WT268-23/24	Wintering	VPA	02/02/2024	12:05:00	2	130	15m	130	0
WT278-23/24	Wintering	VP1	23/02/2024	09:06:00	12	84	62.5m	0	84
WT286-23/24	Wintering	VP1, VP2	23/02/2024	10:37:00	1	120	62.5m	35	95
WT302-23/24	Wintering	VP5	26/02/2024	11:46:00	14	21	35m	0	21
WT314-23/24	Wintering	VPA	26/02/2024	11:48:00	4	112	62.5m	50	62
WT320-23/24	Wintering	VPB	26/02/2024	11:53:00	14	25	62.5m	0	25
WT330-23/24	Wintering	VP1	21/03/2024	12:00:00	6	94	62.5m	30	64
WT344-23/24	Wintering	VP3	21/03/2024	08:50:00	6	130	62.5m	100	30



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT353-23/24	Wintering	VP3	21/03/2024	09:51:00	6	100	62.5m	80	20
WT356-23/24	Wintering	VP3	21/03/2024	10:38:00	35	600	62.5m	550	50
WT359-23/24	Wintering	VP3	21/03/2024	10:54:00	3	50	62.5m	40	10
WT368-23/24	Wintering	VP3	21/03/2024	12:52:00	4	75	62.5m	75	0
WT372-23/24	Wintering	VP3	21/03/2024	10:38:00	35	600	62.5m	100	500
WT374-23/24	Wintering	VP3	21/03/2024	14:28:00	4	42	62.5m	0	42
WT391-23/24	Wintering	VPA	27/03/2024	10:41:00	20	180	15m	20	160
WT398-23/24	Wintering	VPA	27/03/2024	14:28:00	2	100	62.5m	100	0
WT403-23/24	Wintering	VPB	27/03/2024	10:12:00	4	145	62.5m	5	140
WT404-23/24	Wintering	VPB	27/03/2024	10:25:00	50	320	62.5m	170	50
WT408-23/24	Wintering	VPB	27/03/2024	14:14:00	1	120	62.5m	80	40
WT14-24	Breeding	VPB	28/05/2024	14:46:00	11	1500	5m	1500	0
WT16-24	Breeding	VPA	28/05/2024	15:02:00	13	45	5m	45	0
WT5-24	Breeding	VPB	28/05/2024	10:46:00	3	40	27.5m	40	0
WT18-24	Breeding	VP4	29/05/2024	09:19:00	10	120	62.5m	30	90
WT19-24	Breeding	VP4	29/05/2024	09:32:00	1	120	62.5m	30	90
WT23-24	Breeding	VP4	29/05/2024	13:08:00	1	240	25m	40	200
WT24-24	Breeding	VP4	29/05/2024	13:35:00	1	180	62.5m	0	180
WT25-24	Breeding	VP4	29/05/2024	14:30:00	1	0	87.5m	Unknown	Unkown
WT26-24	Breeding	VP4	29/05/2024	14:49:00	1	180	50m	60	120
WT57-24	Breeding	VP3	24/06/2024	10:34:00	1	55	62.5m	25	30
WT60-24	Breeding	VP5	24/06/2024	12:04:00	1	40	15m	40	0
WT61-24	Breeding	VPB	24/06/2024	12:11:00	1	6	5m	6	0
WT66-24	Breeding	VPB	24/06/2024	13:13:00	2	7	7.5m	7	0
WT67-24	Breeding	VPB	24/06/2024	13:41:00	3	11	21m	6	5



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT69-24	Breeding	VP4	26/06/2024	14:11:00	3	8	37.5m	8	0
WT83-24	Breeding	VP2	24/07/2024	10:42:00	1	40	62.5m	0	40
WT95-24	Breeding	VP1	24/07/2024	13:44:00	1	180	62.5m	60	120
WT103-24	Breeding	VPB	29/07/2024	12:30:00	20	40	62.5m	0	40
WT104-24	Breeding	VPB	29/07/2024	13:05:00	25	280	100m	0	280
WT105-24	Breeding	VPA	29/07/2024	13:56:00	40	150	45m	0	150
WT106-24	Breeding	VPB	29/07/2024	14:06:00	30	30	100m	0	30
WT107-24	Breeding	VPA	29/07/2024	15:02:00	4	480	200m	240	240
WT97-24	Breeding	VPB	29/07/2024	08:58:00	1	20	15m	10	10
WT108-24	Breeding	VPA	23/08/2024	09:00:00	50	600	2.5m	0	600
WT109-24	Breeding	VPA	23/08/2024	09:15:00	5	30	15m	10	20
WT110-24	Breeding	VPA	23/08/2024	09:23:00	25	40	15m	20	20
WT111-24	Breeding	VPA	23/08/2024	09:44:00	10	25	15m	0	25
WT113-24	Breeding	VPA	23/08/2024	09:55:00	4	30	15m	20	10
WT114-24	Breeding	VP4	23/08/2024	10:56:00	2	180	65m	180	0
WT116-24	Breeding	VPA	23/08/2024	11:15:00	4	60	15m	50	10
WT117-24	Breeding	VP4	23/08/2024	11:50:00	3	120	35m	0	120
WT118-24	Breeding	VPA	23/08/2024	12:23:00	20	60	62.5m	0	60
WT119-24	Breeding	VPA	23/08/2024	12:43:00	12	60	15m	20	40
WT120-24	Breeding	VPA	23/08/2024	12:59:00	6	40	15m	20	20
WT121-24	Breeding	VP4	23/08/2024	13:08:00	2	12	12m	0	12
WT122-24	Breeding	VPA	23/08/2024	13:11:00	15	45	15m	20	25
WT123-24	Breeding	VP4	23/08/2024	13:16:00	1	16	20m	0	16
WT124-24	Breeding	VP4	23/08/2024	13:18:00	13	130	77.5m	120	10
WT125-24	Breeding	VP4	23/08/2024	13:20:00	4	25	35m	0	25



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT126-24	Breeding	VP4	23/08/2024	13:29:00	1	55	40m	10	45
WT127-24	Breeding	VPA	23/08/2024	14:05:00	10	180	15m	60	120
WT129-24	Breeding	VP4	23/08/2024	15:05:00	2	20	35m	0	20
WT131-24	Breeding	VPB	28/08/2024	08:36:00	2	70	12.5m	0	70
WT137-24	Breeding	VPB	28/08/2024	09:58:00	2	72	15m	42	30
WT139-24	Breeding	VP5	28/08/2024	11:31:00	23	330	62.5m	0	330
WT140-24	Breeding	VP1	28/08/2024	11:34:00	12	40	62.5m	0	40
WT146-24	Breeding	VPB	28/08/2024	12:08:00	1	83	15m	20	63
WT147-24	Breeding	VPB	28/08/2024	13:14:00	2	134	50m	30	104
WT149-24	Breeding	VPB	28/08/2024	13:51:00	2	300	62.5m	100	200
WT150-24	Breeding	VPB	28/08/2024	14:00:00	1	300	100m	180	120
WT168-24	Breeding	VP4	24/09/2024	09:15:00	1	120	62.5m	120	0
WT171-24	Breeding	VP4	24/09/2024	10:06:00	1	30	62.5m	0	30
WT174-24	Breeding	VP5, VP4	24/09/2024	10:48:00	8	426	100m	280	146
WT189-24	Breeding	VPA	27/09/2024	09:32:00	2	75	27.5m	75	0
WT190-24	Breeding	VPA	27/09/2024	09:45:00	15	120	Unknown	0	120
WT192-24	Breeding	VPA	27/09/2024	13:17:00	4	40	35m	5	35
WT196-24	Breeding	VPB	28/09/2024	08:45:00	1	20	15m	15	5
WT198-24	Breeding	VPB	28/09/2024	09:10:00	4	30	62.5m	0	30
WT199-24	Breeding	VPB	28/09/2024	09:34:00	12	50	15m	30	20
WT200-24	Breeding	VPB	28/09/2024	10:04:00	100	100	15m	40	60
WT202-24	Breeding	VPB	28/09/2024	11:56:00	20	25	15m	0	25
WT206-24	Breeding	VPB	28/09/2024	12:33:00	7	25	2.5m	20	5
WT207-24	Breeding	VPB	28/09/2024	12:45:00	10	20	2.5m	15	5
WT208-24	Breeding	VPB	28/09/2024	13:14:00	4	40	62.5m	0	40



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT209-24	Breeding	VPB	28/09/2024	13:30:00	30	4	15m	4	0

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00002	Winter	VP1	28/10/2025	11:01:00	33	37	10	0	0	0	47
F00003	Winter	VP1	28/10/2025	11:04:00	4	20	0	0	0	0	20
F00004	Winter	VP1	28/10/2025	11:18:00	25	10	42	0	0	0	52
F00005	Winter	VP1	28/10/2025	11:27:00	17	30	102	30	0	0	162
F00007	Winter	VP1	28/10/2025	12:15:00	4	5	42	0	0	0	47
F00012	Winter	VP1	28/10/2025	13:54:00	3	35	20	0	0	0	55
F00020	Winter	VP1	28/10/2025	15:11:00	1	45	0	0	0	0	45
F00029	Winter	VP2	30/10/2025	08:55:00	1	10	25	0	0	0	35
F00035	Winter	VP3	29/10/2025	11:24:00	2	0	24	0	0	0	24
F00036	Winter	VP3	29/10/2025	12:03:00	4	0	18	20	0	0	38
F00053	Winter	VP4	21/11/2025	08:35:00	2	33	0	0	0	0	33
F00055	Winter	VP4	21/11/2025	08:57:00	6	21	0	0	0	0	21
F00058	Winter	VP4	21/11/2025	10:55:00	29	0	61	0	0	0	61
F00059	Winter	VP4	21/11/2025	10:58:00	32	0	75	0	0	0	75
F00062	Winter	VP4	21/11/2025	11:18:00	60	22	0	0	0	0	22
F00063	Winter	VP4	21/11/2025	11:33:00	60	0	45	0	0	0	45



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00064	Winter	VP4	21/11/2025	12:18:00	22	10	25	0	0	0	35
F00073	Winter	VP5	19/11/2025	12:43:00	2	55	0	0	0	0	55
F00077	Winter	VP5	19/11/2025	15:10:00	1	31	0	0	0	0	31
F00089	Winter	VP1	27/11/2025	10:27:00	3	0	0	32	0	0	32
F00090	Winter	VP1	27/11/2025	11:51:00	1	0	14	0	0	0	14
F00102	Winter	VP1	27/11/2025	13:06:00	2	0	0	48	0	0	48
F00104	Winter	VP1	27/11/2025	13:55:00	19	0	63	33	0	0	96
F00120	Winter	VP2	25/11/2025	15:44:00	43	0	0	0	168	0	168
F00128	Winter	VP2	25/11/2025	16:13:00	72	0	0	0	0	85	85
F00155	Winter	VP3	28/11/2025	13:46:00	251	0	0	285	0	0	285
F00159	Winter	VP3	28/11/2025	13:57:00	39	0	0	0	0	158	158
F00197	Winter	VP1	02/12/2025	12:30:00	3	0	0	0	62	0	62
F00207	Winter	VP1	02/12/2025	13:05:00	3	0	0	49	0	0	49
F00238	Winter	VP2	03/12/2025	09:41:00	4	0	0	0	0	83	83
F00245	Winter	VP2	03/12/2025	10:10:00	1	0	0	137	0	0	137
F00314	Winter	VP1	27/01/2026	09:14:00	73	0	32	49	0	0	81
F00316	Winter	VP1	27/01/2026	10:05:00	1	0	24	0	0	0	24
F00329	Winter	VP1	27/01/2026	13:07:00	67	0	0	33	56	0	89
F00378	Winter	VP5	09/02/2026	15:57:00	2	0	62	0	0	0	62
F00410	Winter	VP2	12/02/2026	10:52:00	1	0	49	0	0	0	49
F00485	Winter	VP2	25/02/2026	17:07:00	47	0	0	43	0	0	43

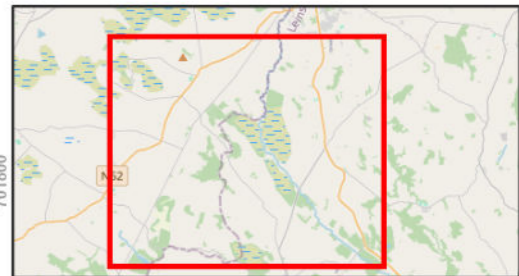
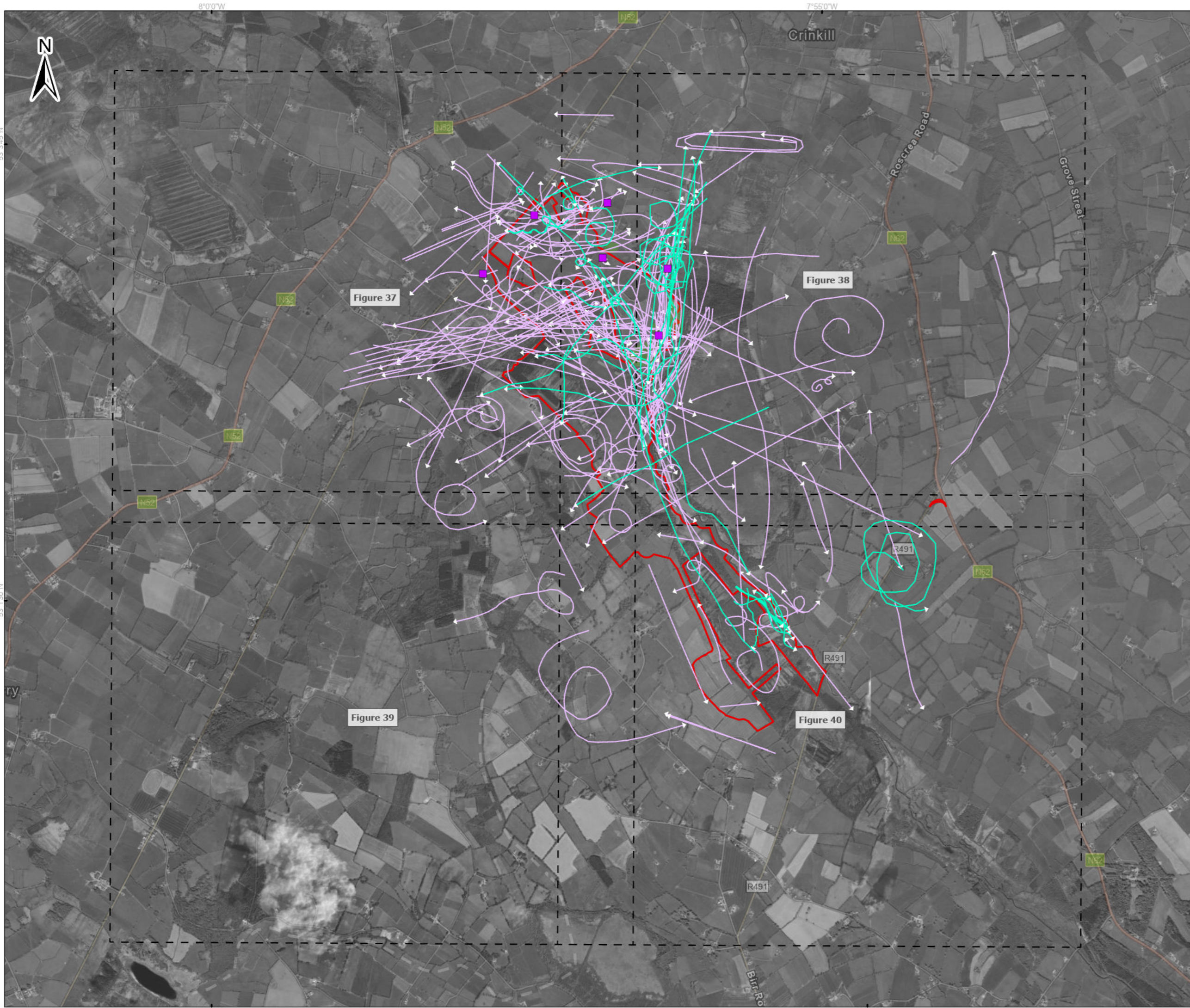


Ecology Ireland Transect Survey																									
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)		
2020	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	4	-	-	-	-	-	-	-	-
2022/2023	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	3
2023	1	2	-	-	2	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	6	-
2023/2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
2024	2	-	-	5	2	3	4	-	-	-	-	3	-	-	-	1	-	-	-	2	-	-	1	-	

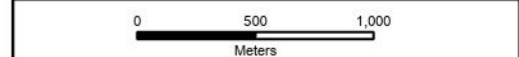
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00123	Winter	Transect	T5	14/10/2025	14:02:00	18	GA1	in flight
P00124	Winter	Transect	T5	14/10/2025	14:19:00	127	GA1	on ground
P00258	Winter	Transect	T2,5,6	24/11/2025	12:16:00	231	GA1	in flight
P00263	Winter	Transect	T2,5,6	24/11/2025	12:31:00	2	FW2	on water
P00544	Winter	Transect	T2, T5, T6	22/01/2026	12:13:00	18	GA1	in flight
P00546	Winter	Transect	T2, T5, T6	22/01/2026	12:45:00	43	GA1	in flight

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Dovegrove Callows	26/11/2025	N/A	6	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	09/02/2026	N/A	79	N/A	N/A





- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - ▭ Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Lesser Black-backed Gull
 - Flightlines - Ecology Ireland 2020 - 2024
 - Lesser Black-backed Gull



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 36:
 Lesser Black-backed Gull observations
 over the survey period
 (May 2020 – March 2026)**

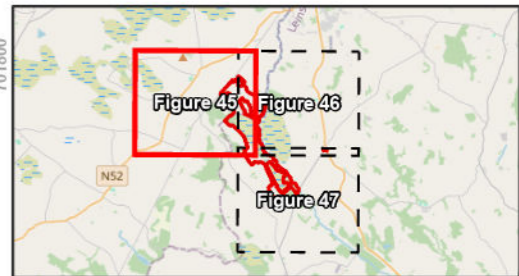
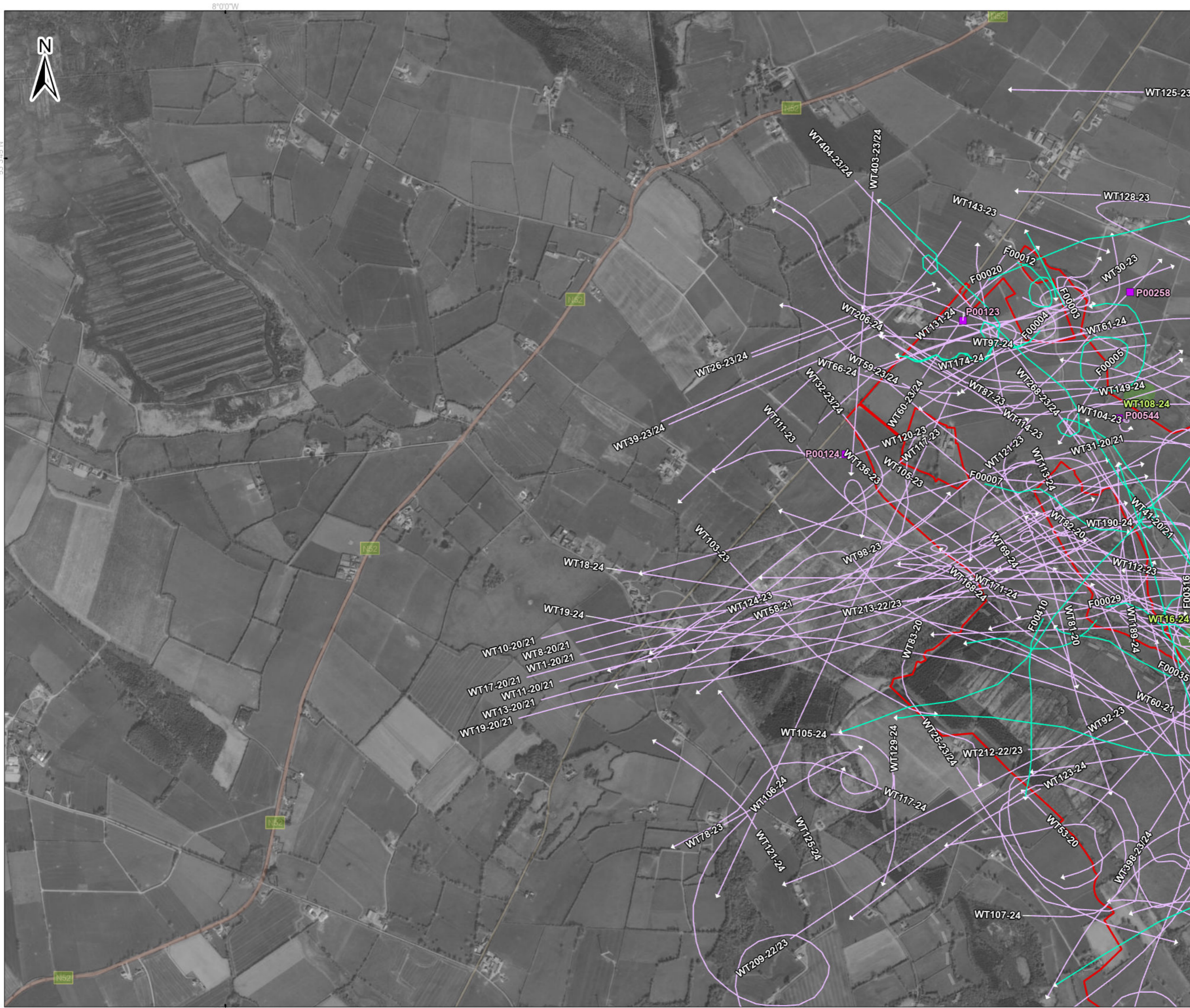
Scale @ A3: 1:32,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-010.ApX-VP-LB-SUM-A_overview Draft: **A**



- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - ▭ Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Lesser Black-backed Gull
 - Flightlines - Ecology Ireland 2020 - 2024
 - Lesser Black-backed Gull



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EPSG: 2157		NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community,	
A	02/04/2026	First issue	K.K J.S
Rev	Date	Description	By Chkd.

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 37:
Lesser Black-backed Gull observations
over the survey period
(May 2020 – March 2026)
- Sheet 1 of 4 -**

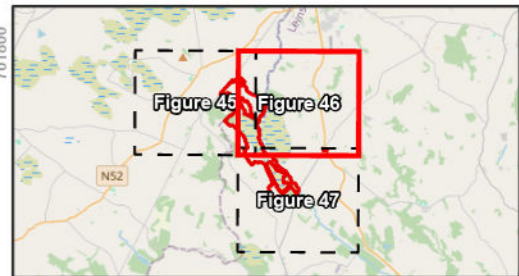
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-010.ApX-VP-LB-SUM-A Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Lesser Black-backed Gull
 - Flightlines - Ecology Ireland 2020 - 2024
 - Lesser Black-backed Gull

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EPSG: 2157			

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A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 38:
Lesser Black-backed Gull observations
over the survey period
(May 2020 – March 2026)
- Sheet 2 of 4 -**

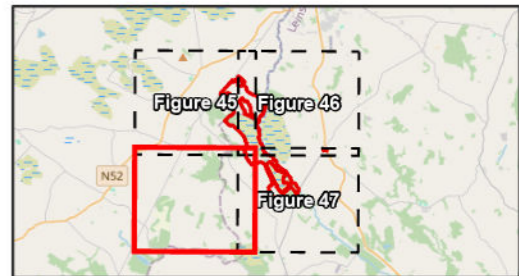
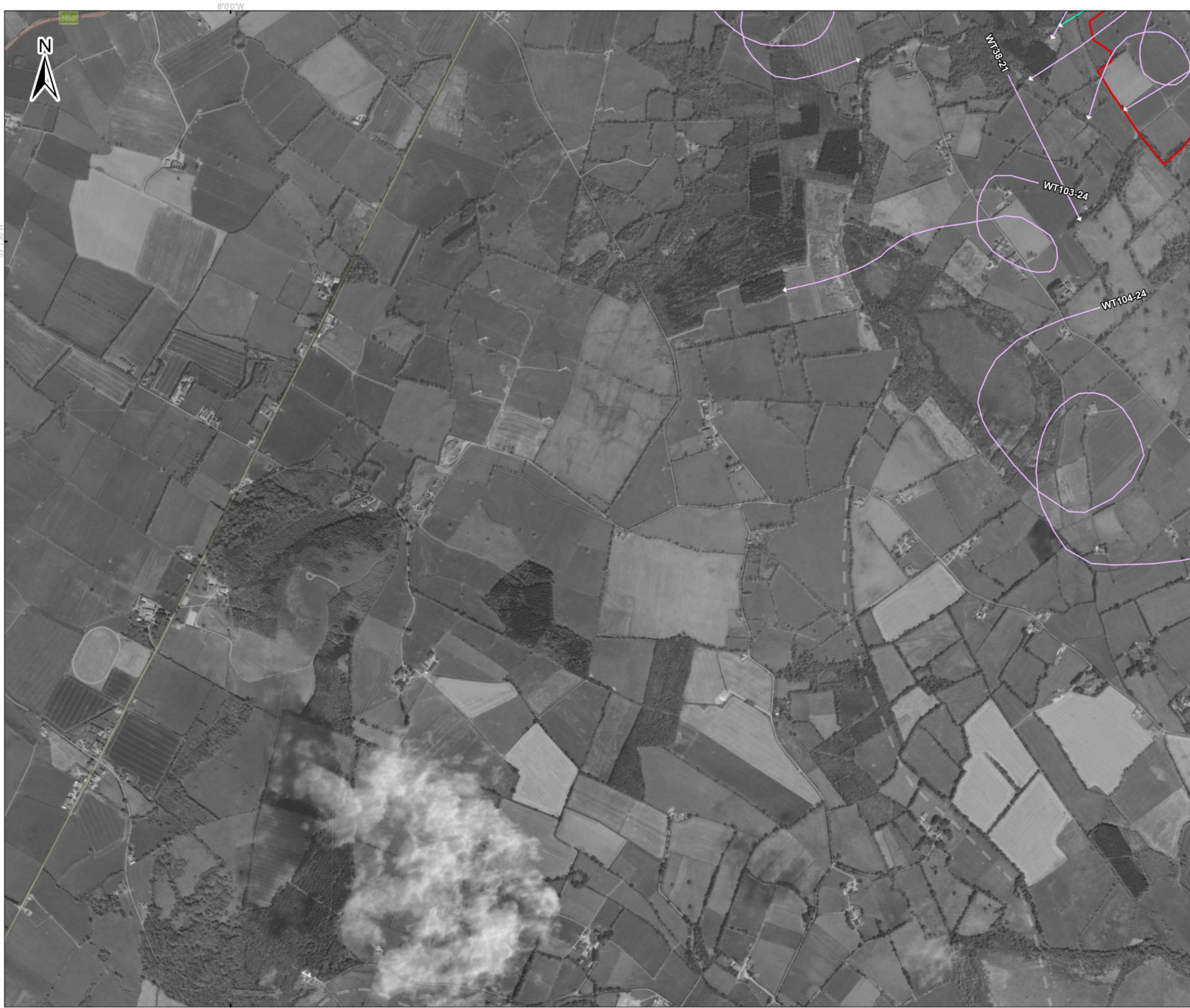
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

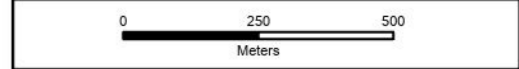
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Map Ref: 11333-010.ApX-VP-LB-SUM-A Draft: **A**



- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - ▭ Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Lesser Black-backed Gull
 - Flightlines - Ecology Ireland 2020 - 2024
 - Lesser Black-backed Gull



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A	02/04/2026	First issue	K.K	J.S

Client: 

Project:
Ballincor Wind Farm

Title: **Appendix 7-I, Figure 39:
 Lesser Black-backed Gull observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 3 of 4 -**

Scale @ A3: 1:14,000

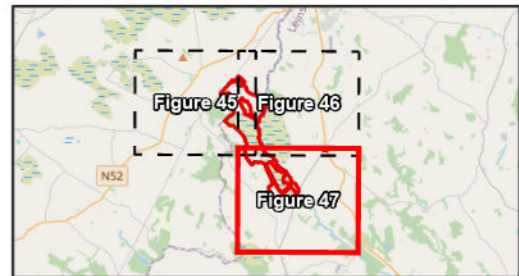
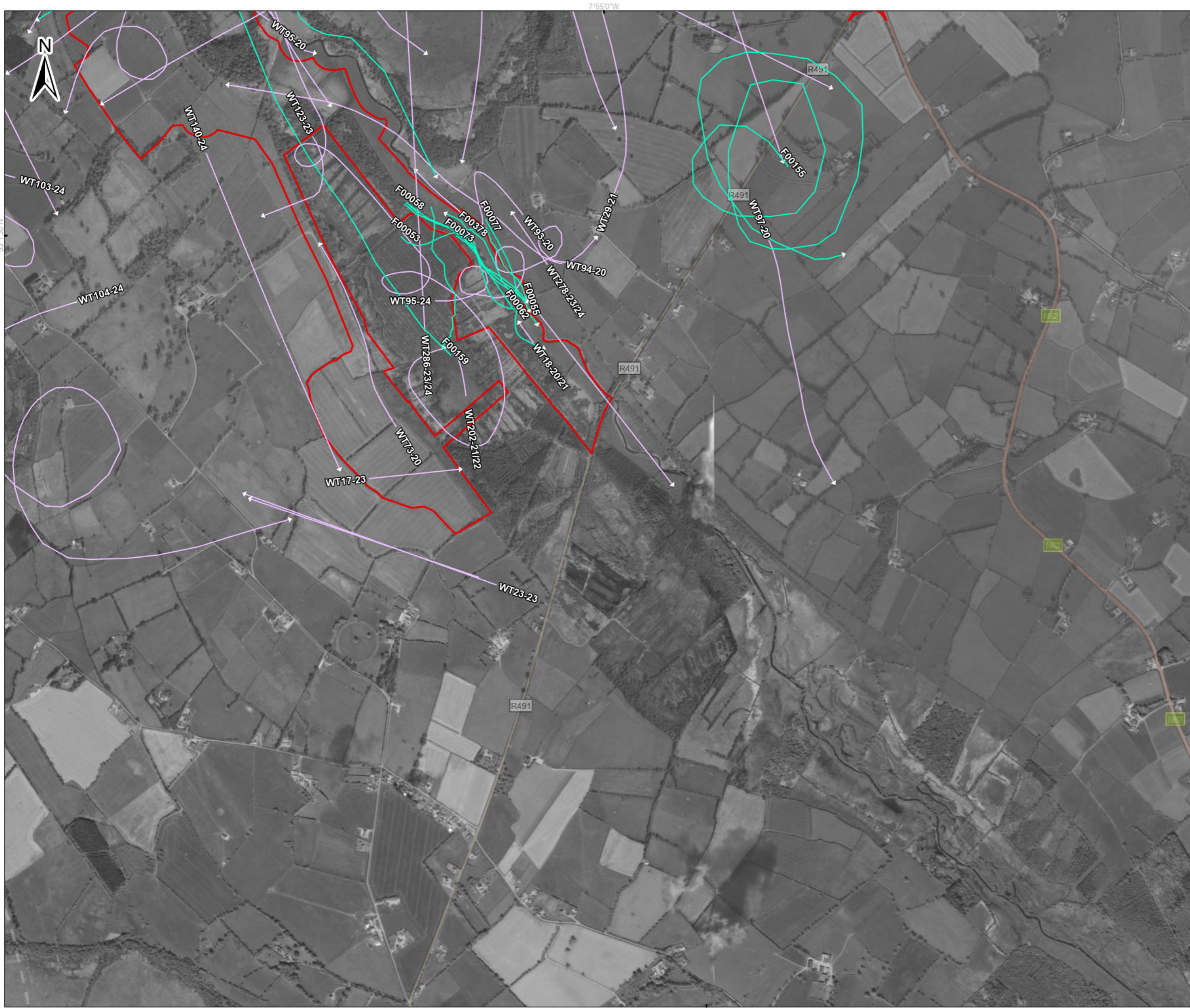
Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

TOBIN

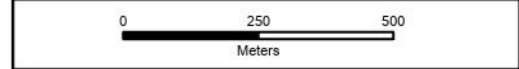
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Map Ref: 11333-010.ApX-VP-LB-SUM-A Draft: **A**



- Legend**
- ▬ Proposed wind farm boundary
 - ▬ High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - ▬ Lesser Black-backed Gull
 - ▬ Flightlines - Ecology Ireland 2020 - 2024
 - ▬ Lesser Black-backed Gull



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 40:
 Lesser Black-backed Gull observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 4 of 4 -**

Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-010.ApX-VP-LB-SUM-A Draft: **A**

Appendix 7-1 - XII LITTLE EGRET



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
N/A	Wintering	VP, 1	05/11/2020	09:48:00	3	20	15m	0	20
WT43-20/21	Wintering	VP, 1	05/11/2020	12:03:00	1	4	5m	4	0
WT58-20/21	Wintering	VP, 1	05/11/2020	14:00:00	3	15	Unknown	5	10
WT48-21/22	Wintering	VP2	02/12/2021	09:27:00	1	3	5m	2	1
WT59-21/22	Wintering	VP5	02/12/2021	12:15:00	1	5400	10m	5400	0
WT81-21/22	Wintering	VP3	07/12/2021	12:15:00	1	30	0m	30	0
WT135-21/22	Wintering	VP1, VP2	17/01/2022	12:54:00	1	13	5m	13	0
WT136-21/22	Wintering	VP1	17/01/2022	13:10:00	1	3	5m	3	0
WT11-22/23	Wintering	VP1	28/11/2022	14:46:00	3	42	7.5m	0	42
WT6-22/23	Wintering	VP2, VP5, VP1	28/11/2022	11:06:00	2	50	5m	15	35
WT17-22/23	Wintering	VP1	30/11/2022	09:51:00	2	5	5m	0	5
WT29-22/23	Wintering	VP3	30/11/2022	10:26:00	1	7	15m	7	0
WT31-22/23	Wintering	VPA	30/11/2022	10:28:00	2	22	2.5m	22	0
WT32-22/23	Wintering	VPB	30/11/2022	10:28:00	1	6	10m	3	3
WT46-22/23	Wintering	VPB	30/11/2022	11:43:00	4	15	10m	0	15
WT55-22/23	Wintering	VPA	30/11/2022	12:48:00	1	33	2.5m	33	0
WT56-22/23	Wintering	VPA	30/11/2022	12:48:00	7	3600	-	3600	0
WT62-22/23	Wintering	VPB	30/11/2022	13:17:00	4	60	10m	60	0
WT65-22/23	Wintering	VPB	30/11/2022	13:57:00	4	45	10m	0	45
WT120-22/23	Wintering	VPA	20/12/2022	14:35:00	1	10	5m	0	10
WT122-22/23	Wintering	VPB	20/12/2022	14:36:00	1	4	2.5m	0	4
WT91-22/23	Wintering	VPB	20/12/2022	11:01:00	1	15	15m	0	15



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT262-22/23	Wintering	VP2	25/01/2023	09:23:00	1	5	10		5
WT263-22/23	Wintering	VP2	25/01/2023	10:59:00	4	600	0m		600
WT264-22/23	Wintering	VP2	25/01/2023	12:20:00	8	240	0m		240
WT269-22/23	Wintering	VP2	25/01/2023	13:34:00	2	5	20m		5
WT286-22/23	Wintering	VP1	25/01/2023	11:44:00	1	65	7.5m	0	65
WT243-22/23	Wintering	VPA	27/01/2023	10:10:00	2	2100	2.5m	2100	
WT245-22/23	Wintering	VPA	27/01/2023	10:45:00	1	92	2.5m	46	46
WT246-22/23	Wintering	VPA	27/01/2023	10:47:00	1	10680	2.5m		10680
WT248-22/23	Wintering	VPA	27/01/2023	13:26:00	1	12	2.5m	12	
WT249-22/23	Wintering	VPA	27/01/2023	13:54:00	1	16	2.5m		16
WT250-22/23	Wintering	VPA	27/01/2023	14:46:00	1	91	25m	46	45
WT251-22/23	Wintering	VPA	27/01/2023	14:48:00	1	1620	2.5m		1620
WT260-22/23	Wintering	VPB	27/01/2023	11:09:00	1	26	5m		26
WT261-22/23	Wintering	VPB	27/01/2023	14:40:00	1	42	10m	42	0
WT181-22/23	Wintering	VPA	27/03/2023	08:41:00	3	21600	2.5m	21600	0
WT194-22/23	Wintering	VP5	27/03/2023	09:45:00	4	25	12.5m	25	0
WT196-22/23	Wintering	VPB	27/03/2023	09:50:00	4	0	-	-	-
WT225-22/23	Wintering	VPB	27/03/2023	12:30:00	1	15	15m	15	0
WT228-22/23	Wintering	VP3	27/03/2023	12:59:00	6	10	20m	10	0
WT47-23	Breeding	VPA	20/07/2023	10:30:00	1	180	2.5m	180	0
WT59-23	Breeding	VP1, VP2	27/07/2023	09:30:00	1	209	15m	52	157
WT62-23	Breeding	VPB	27/07/2023	10:01:00	1	76	15m	70	6
WT65-23	Breeding	VPB	27/07/2023	10:51:00	1	170	15m	30	140
WT68-23	Breeding	VP2	27/07/2023	11:08:00	1	40	40m	0	40
WT71-23	Breeding	VP1	27/07/2023	11:09:00	1	33	15m	0	33



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT73-23	Breeding	VP2	27/07/2023	11:18:00	1	120	95m	0	120
WT106-23	Breeding	VPA	28/08/2023	11:50:00	1	30	10m	30	0
WT79-23	Breeding	VP5	28/08/2023	09:42:00	1	38	15m	0	38
WT82-23	Breeding	VP3	28/08/2023	09:48:00	1	10	12.5m	6	4
WT85-23	Breeding	VPA	28/08/2023	08:52:00	1	70	10m	70	0
WT96-23	Breeding	VPA	28/08/2023	10:35:00	2	66	10m	0	66
WT42-23/24	Wintering	VP5	24/10/2023	09:12:00	4	-	-	-	-
WT46-23/24	Wintering	VPA	24/10/2023	09:19:00	2	15	10m	15	0
WT5-23/24	Wintering	VP1	24/10/2023	14:39:00	1	46	55m	23	23
WT57-23/24	Wintering	VPA	24/10/2023	13:14:00	1	23	10m	23	0
WT9-23/24	Wintering	VP2	24/10/2023	12:00:00	4	30	15m	30	0
WT146-23/24	Wintering	VP1	20/12/2023	10:09:00	1	6	10m	0	6
WT182-23/24	Wintering	VPB	20/12/2023	10:10:00	1	13	15m	6	7
WT185-23/24	Wintering	VPB	20/12/2023	12:26:00	2	70	15m	20	50
WT186-23/24	Wintering	VPB	20/12/2023	12:34:00	2	195	15m	195	0
WT187-23/24	Wintering	VPB	20/12/2023	13:51:00	2	45	15m	15	30
WT193-23/24	Wintering	VP1	25/01/2024	09:35:00	2	56	15m	56	0
WT194-23/24	Wintering	VP1	25/01/2024	09:50:00	2	93	15m		
WT197-23/24	Wintering	VP1	25/01/2024	10:06:00	1	82	2.5m	0	82
WT198-23/24	Wintering	VP1	25/01/2024	11:28:00	1	63	15m	43	20
WT199-23/24	Wintering	VP1	25/01/2024	12:58:00	1	17	2.5m	17	0
WT205-23/24	Wintering	VP2	25/01/2024	11:10:00	1	20	15m	20	0
WT208-23/24	Wintering	VP2	25/01/2024	12:52:00	1	30	2.5m	0	30
WT210-23/24	Wintering	VP2	25/01/2024	14:00:00	5	120	-	0	120
WT214-23/24	Wintering	VP3	25/01/2024	09:24:00	2	28	15m	20	8



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT215-23/24	Wintering	VP3	25/01/2024	09:45:00	1	16	15m	12	4
WT219-23/24	Wintering	VP3	25/01/2024	11:06:00	1	18	15m	15	3
WT221-23/24	Wintering	VP3	25/01/2024	12:32:00	2	12	2.5m	10	2
WT222-23/24	Wintering	VP3	25/01/2024	12:47:00	1	42	15m	40	12
WT224-23/24	Wintering	VP3	25/01/2024	13:10:00	4	84	62.5m	70	14
WT228-23/24	Wintering	VP3	25/01/2024	14:49:00	3	100	15m	75	25
WT234-23/24	Wintering	VP5	29/01/2024	11:22:00	1	82	15m	0	82
WT235-23/24	Wintering	VP5	29/01/2024	12:20:00	2	26	15m	0	26
WT236-23/24	Wintering	VP5	29/01/2024	12:42:00	1	32	15m	0	32
WT242-23/24	Wintering	VP5	29/01/2024	14:21:00	3	34	15m	0	34
WT246-23/24	Wintering	VP5	29/01/2024	14:58:00	2	255	62.5m	10	245
WT250-23/24	Wintering	VPB	29/01/2024	13:22:00	2	5	10m	1	4
WT252-23/24	Wintering	VPB, VP5	29/01/2024	13:50:00	11	8	10m	8	0
WT256-23/24	Wintering	VPA	02/02/2024	09:10:00	10	2000	-	2000	0
WT257-23/24	Wintering	VPA	02/02/2024	09:15:00	1	20	62.5m	0	20
WT258-23/24	Wintering	VPA	02/02/2024	09:30:00	2	30	15m	0	30
WT260-23/24	Wintering	VPA	02/02/2024	09:47:00	1	30	62.5m	20	10
WT272-23/24	Wintering	VPA	02/02/2024	13:10:00	2	30	2.5m	20	30
WT274-23/24	Wintering	VP1	23/02/2024	08:47:00	2	58	15m	0	58
WT288-23/24	Wintering	VP1	23/02/2024	11:11:00	1	10	2.5m	0	10
WT289-23/24	Wintering	VP1	23/02/2024	12:30:00	2	22	2.5m	0	22
WT295-23/24	Wintering	VP2	23/02/2024	12:19:00	1	2	2.5m	0	2
WT301-23/24	Wintering	VP5	26/02/2024	09:59:00	8	9	10m	0	9
WT303-23/24	Wintering	VPA	26/02/2024	08:54:00	18	21600	2.5m	21600	0
WT316-23/24	Wintering	VPB	26/02/2024	09:16:00	2	25	15m	13	12



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT318-23/24	Wintering	VPB	26/02/2024	10:02:00	1	20	15m	20	0
WT323-23/24	Wintering	VPB	26/02/2024	13:31:00	10	200	2.5m	0	200
WT337-23/24	Wintering	VP1	21/03/2024	09:55:00	5	10	20m	8	2
WT341-23/24	Wintering	VP1	21/03/2024	11:01:00	2	5	27.5m	5	0
WT349-23/24	Wintering	VP3	21/03/2024	09:18:00	6	66	62.5m	33	33
WT355-23/24	Wintering	VP3	21/03/2024	09:56:00	3	47	62.5m	47	
WT358-23/24	Wintering	VP3	21/03/2024	10:40:00	30	30	62.5m	30	0
WT365-23/24	Wintering	VP3	21/03/2024	11:58:00	11	38	62.5m	35	3
WT376-23/24	Wintering	VP5	27/03/2024	09:43:00	14	10	12.5m	6	4
WT378-23/24	Wintering	VP5, VPB	27/03/2024	11:57:00	6	5	3.5m	3	2
WT381-23/24	Wintering	VP5	27/03/2024	14:42:00	4	4	5m	1	3
WT384-23/24	Wintering	VPA	27/03/2024	09:28:00	18	3600	2.5m	3600	0
WT386-23/24	Wintering	VPA	27/03/2024	09:38:00	40	40	2.5m	0	40
WT389-23/24	Wintering	VPA	27/03/2024	10:20:00	40	14000	2.5m	0	14000
WT395-23/24	Wintering	VPA	27/03/2024	14:05:00	10	50	15m	0	50
WT396-23/24	Wintering	VPA	27/03/2024	14:10:00	14	25	15m	0	25
WT399-23/24	Wintering	VPB	27/03/2024	08:41:00	18	92	62.5m	30	62
WT10-24	Breeding	VPA	28/05/2024	12:46:00	1	30	12.5m	30	0
WT12-24	Breeding	VPA	28/05/2024	13:46:00	2	52	25m	50	2
WT4-24	Breeding	VPA	28/05/2024	10:44:00	2	16	4m	0	16
WT8-24	Breeding	VPB	28/05/2024	11:42:00	1	60	30m	0	60
WT9-24	Breeding	VPB	28/05/2024	11:56:00	1	40	30m	40	0
WT20-24	Breeding	VP4	29/05/2024	09:59:00	1	120	37.5m	60	60
WT21-24	Breeding	VP4	29/05/2024	11:23:00	1	60	17.5m	60	0
WT27-24	Breeding	VP3	31/05/2024	09:41:00	1	18	25m	0	18



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT30-24	Breeding	VP2	31/05/2024	10:41:00	1	57	62.5m	0	57
WT33-24	Breeding	VP5	31/05/2024	11:20:00	1	25	20m	0	25
WT47-24	Breeding	VP5	24/06/2024	08:44:00	1	40	15m	0	40
WT52-24	Breeding	VP1	24/06/2024	09:36:00	1	40	32.5m	40	0

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00045	Winter	VP4	16/10/2025	16:10:00	2	5	20	0	0	0	25
F00087	Winter	VP1	27/11/2025	09:38:00	1	19	0	0	0	0	19
F00095	Winter	VP1	27/11/2025	12:34:00	1	10	0	0	0	0	10
F00111	Winter	VP2	25/11/2025	12:49:00	1	0	7	0	0	0	7
F00129	Winter	VP3	28/11/2025	08:49:00	2	9	0	0	0	0	9
F00131	Winter	VP3	28/11/2025	08:50:00	1	5	0	0	0	0	5
F00149	Winter	VP3	28/11/2025	13:03:00	1	18	0	0	0	0	18
F00151	Winter	VP3	28/11/2025	13:10:00	1	8	0	0	0	0	8
F00168	Winter	VP5	08/12/2025	14:18:00	2	48	0	0	0	0	48
F00172	Winter	VP4	10/12/2025	08:20:00	1	15	0	0	0	0	15
F00175	Winter	VP4	10/12/2025	09:04:00	2	25	0	0	0	0	25
F00177	Winter	VP4	10/12/2025	09:55:00	15	15	0	0	0	0	15
F00179	Winter	VP4	10/12/2025	11:42:00	2	0	45	0	0	0	45



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00180	Winter	VP4	10/12/2025	11:45:00	2	32	0	0	0	0	32
F00187	Winter	VP1	02/12/2025	11:35:00	2	0	12	0	0	0	12
F00192	Winter	VP1	02/12/2025	12:01:00	2	7	15	19	0	0	41
F00200	Winter	VP1	02/12/2025	12:37:00	2	12	0	0	0	0	12
F00208	Winter	VP1	02/12/2025	13:14:00	1	46	0	0	0	0	46
F00210	Winter	VP1	02/12/2025	13:25:00	2	12	0	0	0	0	12
F00211	Winter	VP1	02/12/2025	13:40:00	1	12	0	0	0	0	12
F00215	Winter	VP1	02/12/2025	14:35:00	1	0	21	0	0	0	21
F00217	Winter	VP1	02/12/2025	14:50:00	2	13	0	0	0	0	13
F00223	Winter	VP1	02/12/2025	16:10:00	1	5	0	0	0	0	5
F00225	Winter	VP1	02/12/2025	16:17:00	1	19	0	0	0	0	19
F00227	Winter	VP1	02/12/2025	16:27:00	1	45	0	0	0	0	45
F00229	Winter	VP1	02/12/2025	16:47:00	1	15	0	0	0	0	15
F00249	Winter	VP2	03/12/2025	11:35:00	1	15	0	0	0	0	15
F00264	Winter	VP3	04/12/2025	08:28:00	2	6	0	0	0	0	6
F00266	Winter	VP3	04/12/2025	08:48:00	1	9	0	0	0	0	9
F00267	Winter	VP3	04/12/2025	08:48:00	1	10	0	0	0	0	10
F00282	Winter	VP3	04/12/2025	13:41:00	1	8	0	0	0	0	8
F00283	Winter	VP3	04/12/2025	13:42:00	1	10	0	0	0	0	10
F00284	Winter	VP3	04/12/2025	13:44:00	1	7	0	0	0	0	7
F00285	Winter	VP3	04/12/2025	13:51:00	2	12	0	0	0	0	12
F00299	Winter	VP5	14/01/2026	08:44:00	2	28	0	0	0	0	28
F00305	Winter	VP1	27/01/2026	08:24:00	2	14	0	0	0	0	14
F00310	Winter	VP1	27/01/2026	08:57:00	1	5	5	0	0	0	10
F00315	Winter	VP1	27/01/2026	09:56:00	1	12	0	0	0	0	12



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00324	Winter	VP1	27/01/2026	12:06:00	2	33	0	0	0	0	33
F00326	Winter	VP1	27/01/2026	12:44:00	2	23	0	0	0	0	23
F00330	Winter	VP1	27/01/2026	13:09:00	1	8	0	0	0	0	8
F00332	Winter	VP1	27/01/2026	13:23:00	1	20	0	0	0	0	20
F00353	Winter	VP3	23/01/2026	12:08:00	1	9	0	0	0	0	9
F00362	Winter	VP3	23/01/2026	15:06:00	1	0	34	0	0	0	34
F00363	Winter	VP3	23/01/2026	15:08:00	1	6	0	0	0	0	6
F00367	Winter	VP3	23/01/2026	15:46:00	1	0	46	0	0	0	46
F00368	Winter	VP3	23/01/2026	16:55:00	1	0	39	0	0	0	39
F00373	Winter	VP5	09/02/2026	11:33:00	4	28	0	0	0	0	28
F00374	Winter	VP5	09/02/2026	12:15:00	2	15	0	0	0	0	15
F00375	Winter	VP5	09/02/2026	12:53:00	2	15	0	0	0	0	15
F00380	Winter	VP4	11/02/2026	07:42:00	6	28	0	0	0	0	28
F00384	Winter	VP4	11/02/2026	08:28:00	2	15	0	0	0	0	15
F00385	Winter	VP4	11/02/2026	08:42:00	1	33	0	0	0	0	33
F00390	Winter	VP4	11/02/2026	11:03:00	1	31	0	0	0	0	31
F00393	Winter	VP4	11/02/2026	11:52:00	2	30	0	0	0	0	30
F00398	Winter	VP1	10/02/2026	15:37:00	3	22	0	0	0	0	22
F00401	Winter	VP1	10/02/2026	17:23:00	1	31	0	0	0	0	31
F00424	Winter	VP3	13/02/2026	13:06:00	1	0	13	0	0	0	13
F00425	Winter	VP3	13/02/2026	13:32:00	1	0	10	0	0	0	10
F00426	Winter	VP4	23/02/2026	12:22:00	1	18	0	0	0	0	18
F00430	Winter	VP4	23/02/2026	15:23:00	1	13	0	0	0	0	13
F00435	Winter	VP4	23/02/2026	17:54:00	1	13	0	0	0	0	13
F00436	Winter	VP5	24/02/2026	07:37:00	3	38	0	0	0	0	38



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00462	Winter	VP1	24/02/2026	15:06:00	1	27	0	0	0	0	27
F00464	Winter	VP1	24/02/2026	15:15:00	1	22	0	0	0	0	22
F00479	Winter	VP2	25/02/2026	15:12:00	1	4	21	0	0	0	25
F00507	Winter	VP3	26/02/2026	17:39:00	5	12	0	0	0	0	12
F00544	Winter	VP2	17/02/2026	13:14:00	1	12	16	0	0	0	28

Ecology Ireland Transect Survey																								
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)	
2022/2023	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-
2023/2024	-	2	-	1	-	1	-	1	-	-	-	-	-	-	-	1	-	1	-	1	-	1	-	1
2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2

TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00178	Winter	Transect	T1	20/11/2025	13:59:00	1	FW2	on wetland
P00221	Winter	VP	VP1	27/11/2025	10:32:00	1	N/A	N/A
P00255	Winter	Transect	T2,5,6	24/11/2025	12:14:00	1	GA1	on ground
P00349	Winter	Transect	T1	11/12/2025	09:27:00	2	PB4	on ground
P00351	Winter	Transect	T3	11/12/2025	11:00:00	2	GS4	on ground
P00413	Winter	VP	VP3	04/12/2025	08:32:00	4	N/A	N/A



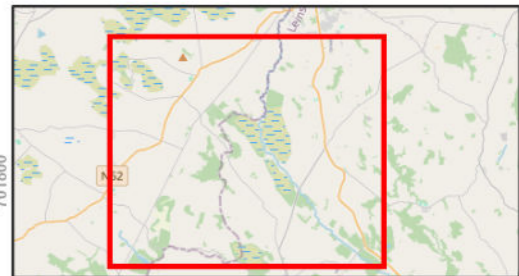
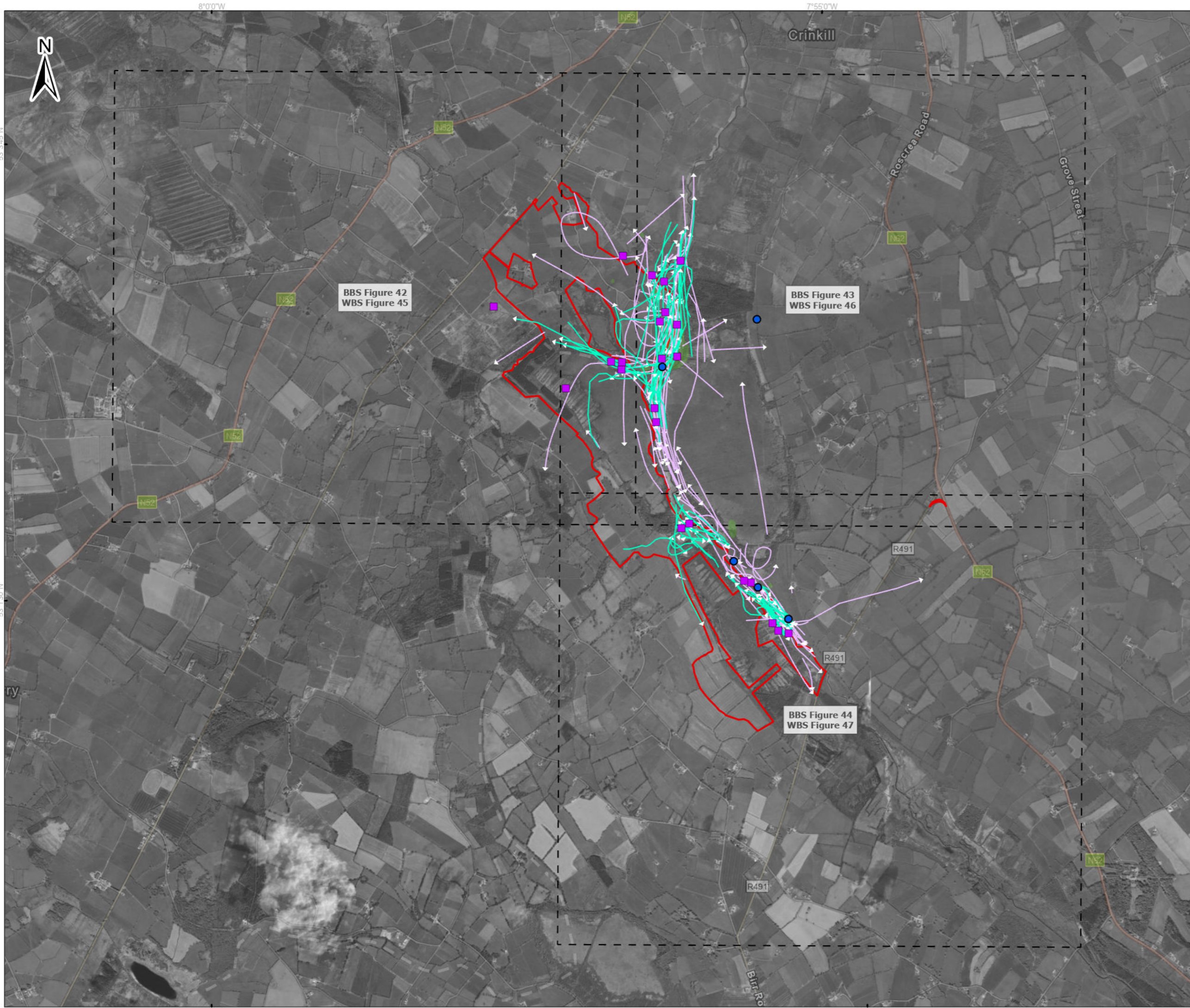
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00429	Winter	Transect	T2, T5, T6	05/12/2025	10:33:00	1	GA1	on ground
P00436	Winter	Transect	T2, T5, T6	05/12/2025	10:50:00	1	GA1	on ground
P00550	Winter	Transect	T2, T5, T6	22/01/2026	12:57:00	1	GA1	in flight
P00555	Winter	Transect	T2, T5, T6	22/01/2026	13:08:00	3	GA1	on water
P00557	Winter	Transect	T2, T5, T6	22/01/2026	13:16:00	1	GA1	on water
P00561	Winter	Transect	T2, T5, T6	22/01/2026	13:47:00	2	GA1	in flight
P00565	Winter	Transect	T2, T5, T6	22/01/2026	14:23:00	1	PB4	on ground
P00610	Winter	Transect	T1, T3, T4	10/02/2026	08:00:00	2	GA1	N/A
P00649	Winter	Transect	T1, T3, T4	11/02/2026	12:43:00	2	FW2	N/A
P00653	Winter	Transect	T1, T3, T4	11/02/2026	12:49:00	6	FW2	N/A
P00725	Winter	Transect	T1	09/03/2026	14:45:00	27	GA1	N/A
P00789	Winter	Transect	T6	13/03/2026	14:30:00	3	GS4	Foraging
P00792	Winter	Transect	T6	13/03/2026	14:49:00	10	FW2	Foraging
P00801	Winter	Transect	T6	13/03/2026	15:10:00	1	FW2	Foraging
P00809	Winter	HH roost	HHVP1	13/03/2026	18:12:00	6	FW2	Flying
P00811	Winter	HH roost	HHVP1	13/03/2026	18:47:00	4	FW2	Flying
P00813	Winter	Incidental	VP5	09/02/2026	10:45:00	4	FW4	Foraging

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Site 2	15/10/2025	N/A	1	N/A	N/A
Winter	I-WeBS	New bridge Callows	26/11/2025	N/A	1	N/A	N/A
Winter	I-WeBS	Clonfree 1	26/11/2025	N/A	2	N/A	N/A

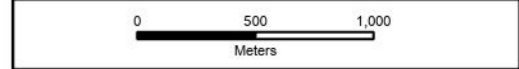


TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	R492 Bridge	01/12/2025	N/A	1	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	01/12/2025	N/A	2	N/A	N/A
Winter	I-WeBS	Glasderry More bridge	01/12/2025	N/A	1	N/A	N/A
Winter	I-WeBS	Little Brosna Callow Hut	16/01/2026	N/A	1	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	16/01/2026	N/A	2	N/A	N/A
Winter	I-WeBS	Glassdery More Bridge	16/01/2026	N/A	1	N/A	N/A
Winter	I-WeBS	Glasderry More bridge	09/02/2026	N/A	2	N/A	N/A
Winter	I-WeBS	R492 bridge	09/02/2026	N/A	1	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	09/02/2026	N/A	4	N/A	N/A
Winter	I-WeBS	Riverstown bridge	09/02/2026	N/A	1	N/A	N/A
Winter	I-WeBS	Little Brosna callow hut	09/02/2026	N/A	1	N/A	N/A
Winter	I-WeBS	Glasderry More Bridge	12/03/2026	N/A	1	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	12/03/2026	N/A	5	N/A	N/A





- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - ▭ Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
- Flightlines - TOBIN 2025/26
- Little Egret
- Flightlines - Ecology Ireland 2020 - 2024
- Little Egret



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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A	02/04/2026	First issue	K.K	J.S
Rev	Date	Description	By	Chkd.

Client: 

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 41: Little Egret observations over the survey period (May 2020 – March 2026) Overview**

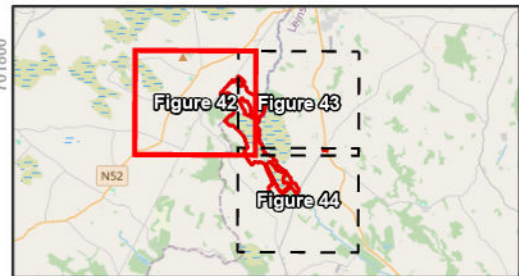
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Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

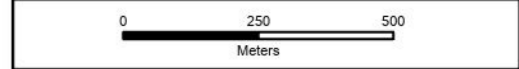
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Map Ref: 11333-011.ApX-VP-ET-SUM-A_overview Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - Ecology Ireland 2020 - 2024
 - Little Egret



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A	07/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 42: Little Egret observations over the survey period (May 2020 – March 2026) - Sheet 1 of 3 -**

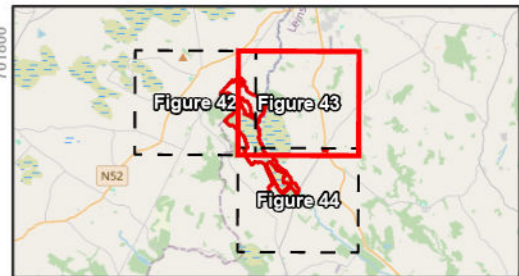
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Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

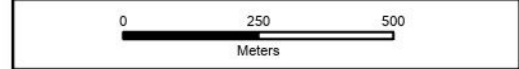
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Map Ref: 11333-011.ApX.BBS-VP-ET-SUM-A Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - Ecology Ireland 2020 - 2024
 - Little Egret



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A	07/04/2026	First issue	K.K	J.S

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Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 43: Little Egret observations over the survey period (May 2020 – March 2026) - Sheet 2 of 3 -**

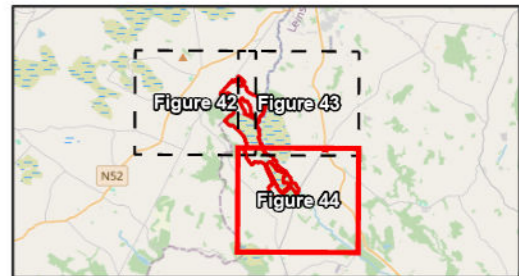
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Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

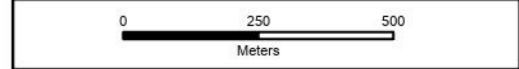
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Map Ref: 11333-011.ApX.BBS-VP-ET-SUM-A Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - Ecology Ireland 2020 - 2024
 - Little Egret



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	07/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 44:
 Little Egret observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 3 of 3 -**

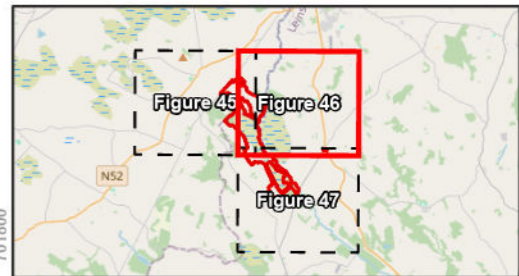
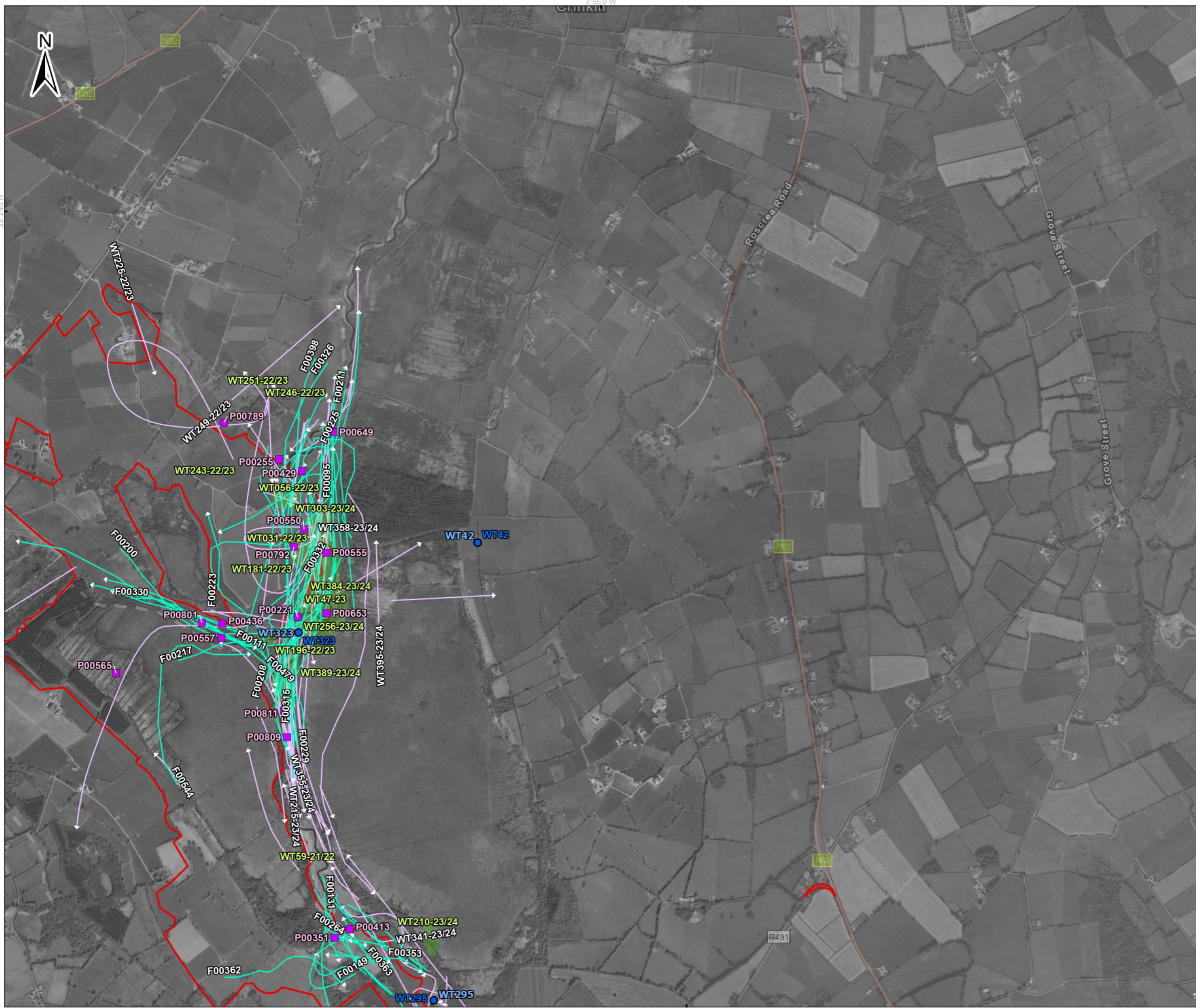
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

TOBIN

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Map Ref: 11333-011.ApX.BBS-VP-ET-SUM-A Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - TOBIN 2025/26
 - Little Egret
 - Flightlines - Ecology Ireland 2020 - 2024
 - Little Egret



Spatial Reference Datum: IREN95 EPSG: 2157		Copyrights: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community.	
A	02/04/2026	First issue	K.K J.S
Rev	Date	Description	By Chkd.

Client:

Project: **Ballincor Wind Farm**

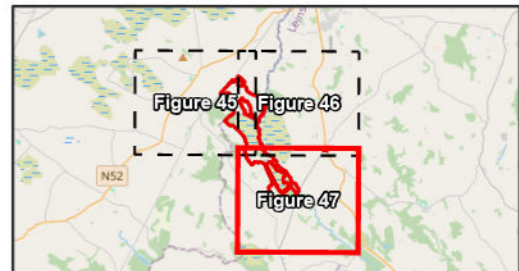
Title: **Appendix 7-I, Figure 46: Little Egret observations over the survey period (May 2020 – March 2026) - Sheet 2 of 3 -**

Scale @ A3: 1:17,000
 Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-011.ApX.WBS-VP-ET-SUM-A Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020-2024
 - Flightlines - TOBIN 2025/26
 - Little Egret
 - Flightlines - Ecology Ireland 2020 - 2024
 - Little Egret



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 47: Little Egret observations over the survey period (May 2020 – March 2026) - Sheet 3 of 3 -**

Scale @ A3: 1:17,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-011.ApX.WBS-VP-ET-SUM-A Draft: **A**

Appendix 7-1 - XIII MALLARD



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT4-20	Breeding	VP1	28/04/2020	12:11:00	1	40	12.5m	40	0
WT6-20	Breeding	VP2	28/04/2020	13:45:00	1	7	3.5m	7	0
WT12-20	Breeding	VP3	14/05/2020	09:14:00	8	15	25m	0	15
WT16-20	Breeding	VP3	14/05/2020	09:56:00	2	48	20m	48	0
WT37-20	Breeding	VP3	14/05/2020	13:18:00	1	30	30m	30	0
WT38-20	Breeding	VP4	14/05/2020	13:19:00	1	60	75m	0	60
WT77-20	Breeding	VP4	10/07/2020	08:40:00	18	10	15m	0	10
WT101-20	Breeding	VP3	14/08/2020	13:11:00	5	7	15m	7	0
WT132-20/21	Wintering	VP, 3	08/03/2021	11:18:00	4	17	17.5m	17	0
WT133-20/21	Wintering	VP, 4	08/03/2021	11:20:00	2	37	20m	0	37
WT1-21	Breeding	VP2	23/04/2021	09:51:00	1	32	40m	32	0
WT11-21	Breeding	VP3	23/04/2021	13:26:00	4	97	75m	97	0
WT13-21	Breeding	VP5	23/04/2021	09:00:00	1	10	17.5m	0	10
WT4-21	Breeding	VP2	23/04/2021	10:31:00	3	54	45m	54	0
WT9-21	Breeding	VP3, VP2	23/04/2021	09:41:00	2	73	52.5m	73	0
WT20-21	Breeding	VP3	14/05/2021	08:55:00	1	25	17.5m	25	0
WT21-21	Breeding	VP3	14/05/2021	09:30:00	3	20	17.5m	20	0
WT22-21	Breeding	VP3	14/05/2021	09:54:00	2	15	17.5m	15	0
WT23-21	Breeding	VP3	14/05/2021	14:30:00	1	15	17.5m	10	5
WT27-21	Breeding	VP1	17/05/2021	12:05:00	2	10	17.5m	5	5
WT28-21	Breeding	VP1	17/05/2021	12:07:00	2	15	17.5m	10	5
WT30-21	Breeding	VP2	17/05/2021	09:15:00	1	10	30m	10	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT31-21	Breeding	VP2	17/05/2021	12:06:00	2	33	20m	33	0
WT17-21/22	Wintering	VP1	23/11/2021	10:59:00	4	24	5m	20	4
WT18-21/22	Wintering	VP1, VP2	23/11/2021	10:59:00	1	20	5m	20	0
WT51-21/22	Wintering	VP3	02/12/2021	09:55:00	3	10	5m	10	0
WT168-21/22	Wintering	VP5	11/02/2022	11:29:00	3	15	10m	0	15
N/A	Wintering	VP2	14/03/2022	10:29:00	1	58	20m	58	0
WT192-21/22	Wintering	VP3	14/03/2022	09:10:00	2	25	5m	25	0
WT195-21/22	Wintering	VP3	14/03/2022	09:45:00	2	20	0m	20	0
WT196-21/22	Wintering	VP1, VP2	14/03/2022	09:59:00	2	25	20m	20	5
WT197-21/22	Wintering	VP3	14/03/2022	10:10:00	3	10	0m	10	0
WT198-21/22	Wintering	VP1	14/03/2022	10:22:00	1	20	20m	17	3
WT201-21/22	Wintering	VP4	14/03/2022	11:35:00	2	12	20m	0	12
WT204-21/22	Wintering	VP5	14/03/2022	13:12:00	4	49	5m	0	49
WT33-22/23	Wintering	VPA	30/11/2022	10:35:00	3	38	2.5m	38	0
WT95-22/23	Wintering	VP3	20/12/2022	11:26:00	5	60	62.5m	30	30
WT289-22/23	Wintering	VP1	25/01/2023	13:18:00	1	60	20m	60	0
WT153-22/23	Wintering	VP3	20/02/2023	09:09:00	3	106	15m	81	25
WT184-22/23	Wintering	VPA	27/03/2023	08:55:00	6	104	62.5m	5	99
WT187-22/23	Wintering	VP5	27/03/2023	09:00:00	5	90	65m	0	90
WT189-22/23	Wintering	VP1	27/03/2023	09:04:00	5	40	62.5m	30	10
WT190-22/23	Wintering	VPA	27/03/2023	09:08:00	5	49	62.5m	49	0
WT193-22/23	Wintering	VPA	27/03/2023	09:41:00	5	18000	2.5m	18000	0
WT199-22/23	Wintering	VP3	27/03/2023	09:57:00	5	45	30m	45	0
WT200-22/23	Wintering	VPA	27/03/2023	09:59:00	4	45	15m	45	0
WT202-22/23	Wintering	VP3	27/03/2023	10:02:00	6	10	25m	10	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT203-22/23	Wintering	VPA	27/03/2023	10:07:00	1	26	15m	26	0
WT204-22/23	Wintering	VPB	27/03/2023	10:14:00	4	10	15m	10	0
WT217-22/23	Wintering	VPA, VPB	27/03/2023	11:15:00	3	62	62.5m	25	37
WT218-22/23	Wintering	VPA	27/03/2023	11:21:00	5	79	62.5m	55	24
WT219-22/23	Wintering	VPB	27/03/2023	11:25:00	2	30	15m	15	15
WT220-22/23	Wintering	VP5	27/03/2023	11:25:00	2	20	17.5m	20	0
WT232-22/23	Wintering	VPA	27/03/2023	14:18:00	5	116	62.5m	76	40
WT234-22/23	Wintering	VPA, VPB	27/03/2023	14:34:00	5	96	62.5m	0	96
WT236-22/23	Wintering	VP3	27/03/2023	14:52:00	2	20	25m	20	0
WT237-22/23	Wintering	VP3	27/03/2023	15:12:00	1	15	16m	15	0
WT3-23	Breeding	VPB	01/05/2023	10:15:00	1	32	15m	0	32
WT10-23	Breeding	VPA	02/05/2023	12:10:00	2	16	15m	16	0
WT14-23	Breeding	VPA	02/05/2023	13:49:00	2	27	2.5m	20	7
WT8-23	Breeding	VP3	02/05/2023	11:23:00	2	13	2.5m	13	0
WT19-23	Breeding	VP2, VP1	23/06/2023	09:42:00	3	28	15m	28	0
WT20-23	Breeding	VP2	23/06/2023	09:46:00	2	34	15m	34	0
WT21-23	Breeding	VP2	23/06/2023	10:21:00	1	16	15m	0	16
WT28-23	Breeding	VP3	27/06/2023	10:08:00	2	41	15m	10	31
WT31-23	Breeding	VPA, VP3	27/06/2023	13:47:00	2	49	10m	0	49
WT34-23	Breeding	VPA	20/07/2023	08:46:00	15	28	2.5m	14	14
WT36-23	Breeding	VPA	20/07/2023	09:13:00	6	55	15m	55	0
WT38-23	Breeding	VPA	20/07/2023	09:17:00	60	140	15m	140	0
WT40-23	Breeding	VP5	20/07/2023	09:22:00	2	25	15m	0	25



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT43-23	Breeding	VPA	20/07/2023	09:45:00	1	46	62.5m	23	23
WT46-23	Breeding	VPA	20/07/2023	10:25:00	4	56	15m	28	28
WT48-23	Breeding	VPA	20/07/2023	10:41:00	3	39	15m	20	19
WT49-23	Breeding	VP5	20/07/2023	11:09:00	50	25	15m	23	2
WT50-23	Breeding	VP5	20/07/2023	11:12:00	22	40	62.5m	15	25
WT51-23	Breeding	VP5	20/07/2023	11:13:00	2	15	15m	0	15
WT54-23	Breeding	VPA	20/07/2023	12:35:00	13	51	15m	31	20
WT57-23	Breeding	VPA	20/07/2023	13:54:00	1	37	15m	37	0
WT66-23	Breeding	VPB	27/07/2023	11:03:00	20	180	62.5m	30	150
WT67-23	Breeding	VPB	27/07/2023	11:06:00	10	180	62.5m	140	40
WT69-23	Breeding	VP3	27/07/2023	11:08:00	16	95	40m	80	15
WT70-23	Breeding	VP3	27/07/2023	11:08:00	11	100	25m	50	50
WT74-23	Breeding	VP3	27/07/2023	11:37:00	41	110	30m	100	10
WT75-23	Breeding	VPB	27/07/2023	11:51:00	1	55	15m	30	25
WT76-23	Breeding	VPB	27/07/2023	14:11:00	1	24	62.5m	20	4
WT107-23	Breeding	VP3	28/08/2023	12:31:00	3	15	12.5m	8	7
WT108-23	Breeding	VPA	28/08/2023	12:32:00	3	109	10m	25	84
WT83-23	Breeding	VPA	28/08/2023	09:53:00	3	32	10m	17	15
WT126-23	Breeding	VP1	26/09/2023	09:00:00	1	20	15m	0	20
WT127-23	Breeding	VPA	26/09/2023	09:01:00	8	1200	0m	1200	0
WT145-23	Breeding	VP2, VPA	26/09/2023	13:59:00	21	160	15m	100	60
WT146-23	Breeding	VPB	26/09/2023	14:04:00	12	240	15m	0	240
WT1-23/24	Wintering	VP1	24/10/2023	10:00:00	1	10	15m	5	5
WT12-23/24	Wintering	VP3	24/10/2023	09:00:00	3	30	40m	30	0
WT19-23/24	Wintering	VP3	24/10/2023	12:02:00	3	30	50m	30	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT21-23/24	Wintering	VP3	24/10/2023	14:02:00	7	10	20m	2	8
WT23-23/24	Wintering	VP3	24/10/2023	14:44:00	4	25	50m	25	0
WT24-23/24	Wintering	VP3	24/10/2023	14:45:00	4	35	50m	33	2
WT31-23/24	Wintering	VP4	24/10/2023	10:08:00	9	18	15m	8	10
WT35-23/24	Wintering	VP4	24/10/2023	11:00:00	4	70	62.5m	30	40
WT43-23/24	Wintering	VPA	24/10/2023	09:00:00	2	45	7.5m	45	0
WT44-23/24	Wintering	VPA	24/10/2023	09:10:00	3	37	30m	37	0
WT45-23/24	Wintering	VPA	24/10/2023	09:16:00	2	32	10m	32	0
WT49-23/24	Wintering	VPA	24/10/2023	09:44:00	7	291	12.5m	291	0
WT50-23/24	Wintering	VPA	24/10/2023	10:08:00	9	63	15m	43	20
WT52-23/24	Wintering	VPA	24/10/2023	11:03:00	3	84	30m	80	4
WT55-23/24	Wintering	VPA	24/10/2023	12:11:00	3	91	15m	91	0
WT7-23/24	Wintering	VP2	24/10/2023	09:25:00	15	20	15m	0	20
WT169-23/24	Wintering	VPA	20/12/2023	09:12:00	2	3600	15m	3600	0
WT170-23/24	Wintering	VPA	20/12/2023	10:02:00	2	39	62.5m	10	29
WT200-23/24	Wintering	VP1	25/01/2024	13:09:00	1	38	15m	19	19
WT201-23/24	Wintering	VP1, VP3	25/01/2024	13:50:00	30	300	15m	0	300
WT207-23/24	Wintering	VP2	25/01/2024	12:35:00	1	20	15m	20	0
WT229-23/24	Wintering	VP4	25/01/2024	08:59:00	2	7	35m	2	5
WT233-23/24	Wintering	VP5	29/01/2024	09:34:00	2	18	15m	10	8
WT238-23/24	Wintering	VP5	29/01/2024	13:49:00	4	36	62.5m	18	18
WT247-23/24	Wintering	VPB	29/01/2024	09:05:00	4	4	35m	3	1
WT259-23/24	Wintering	VPA	02/02/2024	09:40:00	2	20	15m	20	0
WT275-23/24	Wintering	VP1	23/02/2024	08:51:00	2	80	62.5m	80	0
WT277-23/24	Wintering	VP1, VP2	23/02/2024	09:00:00	3	300	62.5m	240	60



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT279-23/24	Wintering	VP1	23/02/2024	09:09:00	2	38	62.5m	0	38
WT280-23/24	Wintering	VP1	23/02/2024	09:26:00	2	102	15m	102	0
WT287-23/24	Wintering	VP1	23/02/2024	10:52:00	4	50	15m	0	50
WT290-23/24	Wintering	VP2	23/02/2024	08:29:00	2	5	15m	5	0
WT296-23/24	Wintering	VP2	23/02/2024	13:48:00	3	15	15m	15	0
WT297-23/24	Wintering	VP3	26/02/2024	09:05:00	1	33	10m	30	3
WT298-23/24	Wintering	VP3	26/02/2024	10:09:00	3	38	20m	20	18
WT304-23/24	Wintering	VPA	26/02/2024	08:54:00	3	21600	2.5m	21600	0
WT306-23/24	Wintering	VPA	26/02/2024	09:14:00	3	50	15m	50	0
WT307-23/24	Wintering	VPA	26/02/2024	09:25:00	4	32	15m	32	0
WT321-23/24	Wintering	VPB	26/02/2024	12:00:00	3	10	2.5m	10	0
WT322-23/24	Wintering	VPB	26/02/2024	12:10:00	1	50	15m	10	0
WT324-23/24	Wintering	VP1	21/03/2024	08:29:00	2	26	15m	8	18
WT325-23/24	Wintering	VP1	21/03/2024	09:09:00	2	70	15m	10	60
WT326-23/24	Wintering	VP1	21/03/2024	09:09:00	1	60	15m	30	30
WT334-23/24	Wintering	VP1	21/03/2024	09:15:00	1	10	20m	10	0
WT335-23/24	Wintering	VP1	21/03/2024	09:29:00	1	20	27.5m	14	6
WT339-23/24	Wintering	VP1	21/03/2024	10:38:00	2	9	35m	7	2
WT340-23/24	Wintering	VP1	21/03/2024	10:49:00	1	7	4.5m	7	0
WT342-23/24	Wintering	VP1	21/03/2024	13:17:00	1	26	37.5m	18	8
WT343-23/24	Wintering	VP1	21/03/2024	14:21:00	2	7	7.5m	7	0
WT347-23/24	Wintering	VP3	21/03/2024	09:12:00	3	64	62.5m	50	14
WT350-23/24	Wintering	VP3	21/03/2024	09:27:00	3	53	62.5m	53	
WT357-23/24	Wintering	VP3	21/03/2024	10:39:00	2	30	62.5m	15	15
WT362-23/24	Wintering	VP3	21/03/2024	11:27:00	2	18	15m	9	9



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT363-23/24	Wintering	VP3	21/03/2024	11:52:00	1	14	62.5m	7	7
WT380-23/24	Wintering	VP5	27/03/2024	12:28:00	6	11	25m	7	4
WT383-23/24	Wintering	VPA	27/03/2024	09:10:00	2	15	2.5m	5	10
WT390-23/24	Wintering	VPA	27/03/2024	10:40:00	2	20	15m	20	0
WT394-23/24	Wintering	VPA	27/03/2024	13:23:00	1	160	15m	130	30
WT407-23/24	Wintering	VPB	27/03/2024	12:58:00	4	236	62.5m	100	136
WT409-23/24	Wintering	VPB	27/03/2024	14:26:00	4	84	62.5m	24	60
WT410-23/24	Wintering	VPB	27/03/2024	14:32:00	1	52	62.5m	10	42
WT50-24	Breeding	VP3	24/06/2024	09:29:00	3	170	62.5m	0	170
WT51-24	Breeding	VP3	24/06/2024	09:29:00	2	170	62.5m	0	170
WT56-24	Breeding	VP2	24/06/2024	10:34:00	1	9	17.5m	9	0
WT72-24	Breeding	VPA	27/06/2024	12:49:00	1	15	2.5m	15	0
WT88-24	Breeding	VP2	24/07/2024	11:41:00	1	10	2.5m	10	0
WT91-24	Breeding	VP4	24/07/2024	12:04:00	3	30	62.5m	0	30
WT96-24	Breeding	VP4	24/07/2024	14:23:00	4	34	62.5m	0	34
N/A	Breeding	VP4	24/09/2024	12:23:00	3	-	62.5m	-	-
WT178-24	Breeding	VP3	24/09/2024	12:04:00	4	25	30m	0	25
WT181-24	Breeding	VP5	24/09/2024	12:19:00	2	80	62.5m	0	80
WT184-24	Breeding	VP3	24/09/2024	13:19:00	1	210	35m	30	180
WT185-24	Breeding	VP5	24/09/2024	13:19:00	4	17	62.5m	0	17



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00126	Winter	VP2	25/11/2025	16:00:00	2	12	0	0	0	0	12
F00134	Winter	VP3	28/11/2025	09:00:00	5	0	6	0	0	0	6
F00376	Winter	VP5	09/02/2026	14:42:00	2	10	0	0	0	0	10
F00379	Winter	VP4	11/02/2026	07:30:00	4	15	0	0	0	0	15
F00381	Winter	VP4	11/02/2026	07:59:00	2	22	0	0	0	0	22
F00383	Winter	VP4	11/02/2026	08:24:00	1	13	10	0	0	0	23
F00387	Winter	VP4	11/02/2026	09:03:00	2	0	18	0	0	0	18
F00388	Winter	VP4	11/02/2026	10:02:00	2	0	35	0	0	0	35
F00389	Winter	VP4	11/02/2026	10:12:00	2	16	0	0	0	0	16
F00397	Winter	VP1	10/02/2026	13:33:00	2	25	0	0	0	0	25
F00399	Winter	VP1	10/02/2026	17:17:00	3	0	23	0	0	0	23
F00414	Winter	VP2	12/02/2026	11:43:00	2	10	0	0	0	0	10
F00416	Winter	VP2	12/02/2026	13:05:00	3	13	0	0	0	0	13
F00438	Winter	VP5	24/02/2026	08:24:00	3	32	60	0	0	0	92
F00439	Winter	VP5	24/02/2026	08:46:00	3	10	15	0	0	0	25
F00440	Winter	VP5	24/02/2026	09:00:00	2	15	10	0	0	0	25
F00441	Winter	VP5	24/02/2026	09:20:00	1	22	5	0	0	0	27
F00444	Winter	VP5	24/02/2026	10:58:00	2	0	22	0	0	0	22
F00445	Winter	VP5	24/02/2026	11:10:00	1	8	10	0	0	0	18
F00446	Winter	VP5	24/02/2026	11:18:00	3	0	15	20	0	0	35
F00451	Winter	VP5	24/02/2026	12:54:00	1	0	22	0	0	0	22
F00455	Winter	VP1	24/02/2026	13:27:00	2	0	0	26	0	0	26
F00456	Winter	VP1	24/02/2026	13:49:00	3	0	0	35	0	0	35
F00473	Winter	VP2	25/02/2026	13:25:00	1	31	0	0	0	0	31
F00476	Winter	VP2	25/02/2026	13:43:00	1	9	0	0	0	0	9



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00477	Winter	VP2	25/02/2026	14:06:00	5	0	0	27	0	0	27
F00487	Winter	VP2	25/02/2026	18:42:00	2	12	0	0	0	0	12
F00493	Winter	VP3	26/02/2026	14:13:00	1	10	0	0	0	0	10
F00510	Winter	VP2	17/02/2026	08:38:00	2	0	51	0	0	0	51
F00512	Winter	VP2	17/02/2026	08:41:00	5	0	12	0	0	0	12
F00513	Winter	VP2	17/02/2026	08:44:00	2	10	0	0	0	0	10
F00515	Winter	VP2	17/02/2026	08:45:00	1	11	0	0	0	0	11
F00516	Winter	VP2	17/02/2026	08:46:00	2	0	24	0	0	0	24
F00517	Winter	VP2	17/02/2026	08:56:00	3	0	32	0	0	0	32
F00520	Winter	VP2	17/02/2026	09:13:00	4	0	29	0	0	0	29
F00522	Winter	VP2	17/02/2026	09:21:00	2	19	0	0	0	0	19
F00528	Winter	VP2	17/02/2026	09:49:00	5	0	29	0	0	0	29
F00533	Winter	VP2	17/02/2026	10:51:00	1	8	0	0	0	0	8
F00126	Winter	VP2	25/11/2025	16:00:00	2	12	0	0	0	0	12
F00134	Winter	VP3	28/11/2025	09:00:00	5	0	6	0	0	0	6
F00376	Winter	VP5	09/02/2026	14:42:00	2	10	0	0	0	0	10
F00379	Winter	VP4	11/02/2026	07:30:00	4	15	0	0	0	0	15
F00381	Winter	VP4	11/02/2026	07:59:00	2	22	0	0	0	0	22
F00383	Winter	VP4	11/02/2026	08:24:00	1	13	10	0	0	0	23
F00387	Winter	VP4	11/02/2026	09:03:00	2	0	18	0	0	0	18
F00388	Winter	VP4	11/02/2026	10:02:00	2	0	35	0	0	0	35
F00389	Winter	VP4	11/02/2026	10:12:00	2	16	0	0	0	0	16
F00397	Winter	VP1	10/02/2026	13:33:00	2	25	0	0	0	0	25
F00399	Winter	VP1	10/02/2026	17:17:00	3	0	23	0	0	0	23
F00414	Winter	VP2	12/02/2026	11:43:00	2	10	0	0	0	0	10



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00416	Winter	VP2	12/02/2026	13:05:00	3	13	0	0	0	0	13
F00438	Winter	VP5	24/02/2026	08:24:00	3	32	60	0	0	0	92
F00439	Winter	VP5	24/02/2026	08:46:00	3	10	15	0	0	0	25
F00440	Winter	VP5	24/02/2026	09:00:00	2	15	10	0	0	0	25
F00441	Winter	VP5	24/02/2026	09:20:00	1	22	5	0	0	0	27
F00444	Winter	VP5	24/02/2026	10:58:00	2	0	22	0	0	0	22
F00445	Winter	VP5	24/02/2026	11:10:00	1	8	10	0	0	0	18
F00446	Winter	VP5	24/02/2026	11:18:00	3	0	15	20	0	0	35
F00451	Winter	VP5	24/02/2026	12:54:00	1	0	22	0	0	0	22
F00455	Winter	VP1	24/02/2026	13:27:00	2	0	0	26	0	0	26
F00456	Winter	VP1	24/02/2026	13:49:00	3	0	0	35	0	0	35
F00473	Winter	VP2	25/02/2026	13:25:00	1	31	0	0	0	0	31
F00476	Winter	VP2	25/02/2026	13:43:00	1	9	0	0	0	0	9
F00477	Winter	VP2	25/02/2026	14:06:00	5	0	0	27	0	0	27
F00487	Winter	VP2	25/02/2026	18:42:00	2	12	0	0	0	0	12
F00493	Winter	VP3	26/02/2026	14:13:00	1	10	0	0	0	0	10
F00510	Winter	VP2	17/02/2026	08:38:00	2	0	51	0	0	0	51
F00512	Winter	VP2	17/02/2026	08:41:00	5	0	12	0	0	0	12
F00513	Winter	VP2	17/02/2026	08:44:00	2	10	0	0	0	0	10
F00515	Winter	VP2	17/02/2026	08:45:00	1	11	0	0	0	0	11
F00516	Winter	VP2	17/02/2026	08:46:00	2	0	24	0	0	0	24
F00517	Winter	VP2	17/02/2026	08:56:00	3	0	32	0	0	0	32
F00520	Winter	VP2	17/02/2026	09:13:00	4	0	29	0	0	0	29
F00522	Winter	VP2	17/02/2026	09:21:00	2	19	0	0	0	0	19
F00528	Winter	VP2	17/02/2026	09:49:00	5	0	29	0	0	0	29



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00533	Winter	VP2	17/02/2026	10:51:00	1	8	0	0	0	0	8

Ecology Ireland Transect Survey																								
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)	
2020	-	2	-	-	-	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
2022/2023	2	2	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
2020/2021	-	-	-	-	-	-	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
2023	-	-	1	-	1	-	-	4	-	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-
2023/2024	-	2	-	-	2	-	-	-	-	2	-	1	1	-	2	2	-	-	-	2	-	5	-	-
2024	-	3	1	-	-	-	-	2	2	-	-	-	-	-	-	3	-	-	-	-	-	-	1	-

TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00177	Winter	Transect	T1	20/11/2025	13:59:00	8	FW2	on water
P00262	Winter	Transect	T2,5,6	24/11/2025	12:30:00	2	FW2	on ground
P00434	Winter	Transect	T2, T5, T6	05/12/2025	10:46:00	2	FW2	on water
P00438	Winter	Transect	T2, T5, T6	05/12/2025	10:58:00	9	FW2	in flight
P00553	Winter	Transect	T2, T5, T6	22/01/2026	13:05:00	2	FW2	on water
P00556	Winter	Transect	T2, T5, T6	22/01/2026	13:14:00	2	FW2	on water

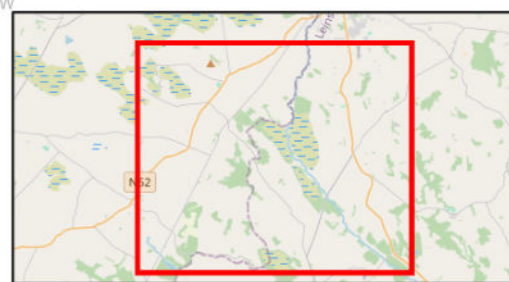
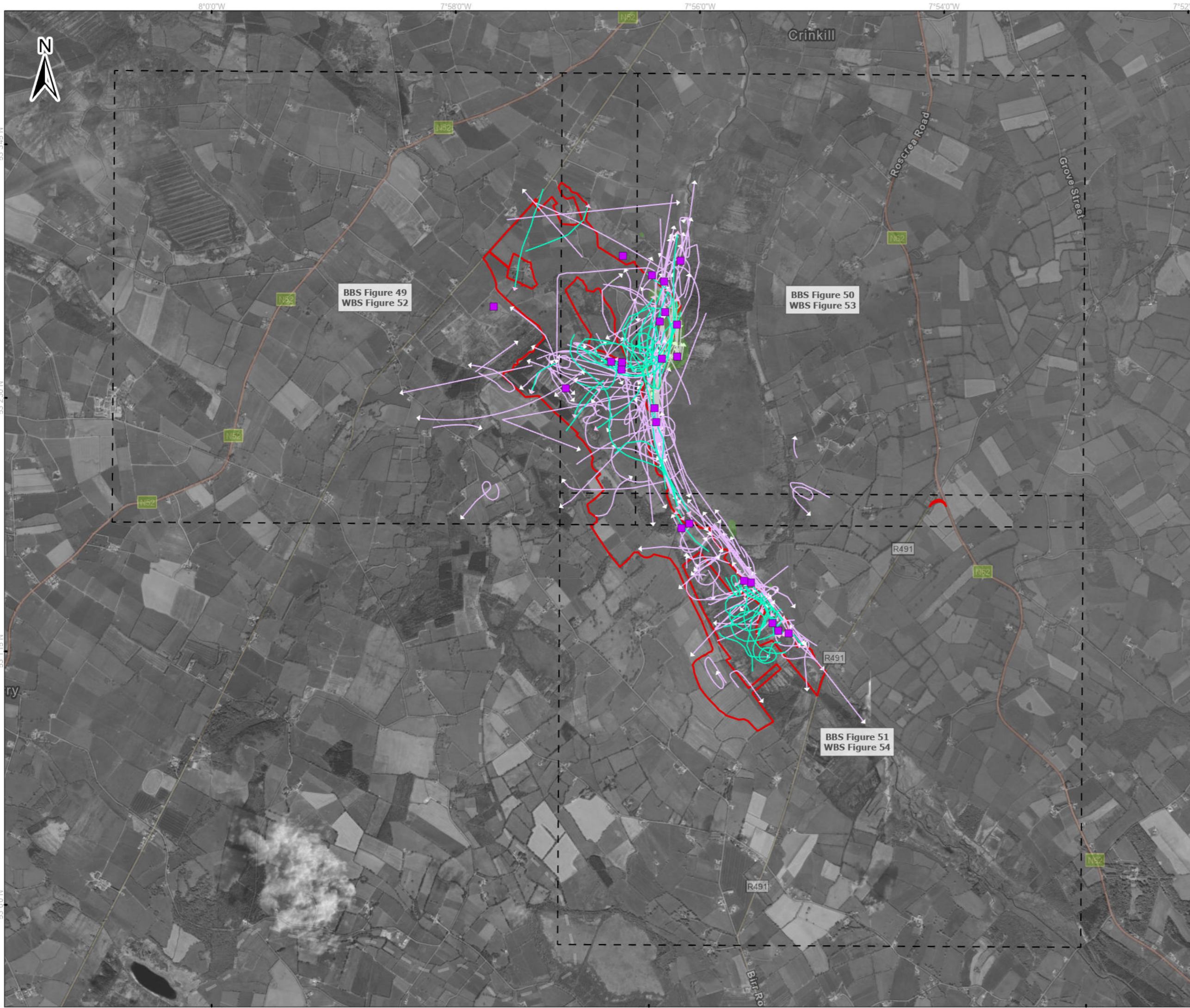


TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00609	Winter	Transect	T1, T3, T4	10/02/2026	07:55:00	2	GA1	N/A
P00613	Winter	Transect	T1, T3, T4	10/02/2026	10:33:00	1	PB4	N/A
P00647	Winter	Transect	T1, T3, T4	11/02/2026	12:38:00	2	FW2	N/A
P00650	Winter	Transect	T1, T3, T4	11/02/2026	12:45:00	1	FW2	N/A
P00663	Winter	Transect	T1, T3, T4	11/02/2026	14:52:00	2	PB4	N/A
P00762	Winter	HH roost	HHVP2	09/03/2026	N/A	2	PB4	N/A
P00804	Winter	Transect	T2	13/03/2026	16:18:00	2	FW4	Flushed
P00806	Winter	Transect	T2	13/03/2026	16:31:00	2	PB4	Flushed
P00177	Winter	Transect	T1	20/11/2025	13:59:00	8	FW2	on water
P00262	Winter	Transect	T2,5,6	24/11/2025	12:30:00	2	FW2	on ground
P00434	Winter	Transect	T2, T5, T6	05/12/2025	10:46:00	2	FW2	on water
P00438	Winter	Transect	T2, T5, T6	05/12/2025	10:58:00	9	FW2	in flight
P00553	Winter	Transect	T2, T5, T6	22/01/2026	13:05:00	2	FW2	on water
P00556	Winter	Transect	T2, T5, T6	22/01/2026	13:14:00	2	FW2	on water
P00609	Winter	Transect	T1, T3, T4	10/02/2026	07:55:00	2	GA1	N/A
P00613	Winter	Transect	T1, T3, T4	10/02/2026	10:33:00	1	PB4	N/A
P00647	Winter	Transect	T1, T3, T4	11/02/2026	12:38:00	2	FW2	N/A
P00650	Winter	Transect	T1, T3, T4	11/02/2026	12:45:00	1	FW2	N/A

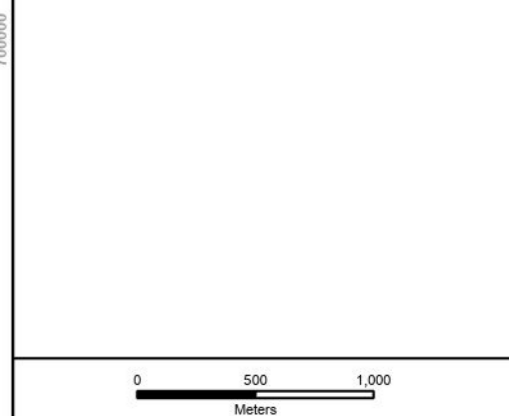


TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Site 2	15/10/2025	N/A	60	N/A	N/A
Winter	I-WeBS	Site 4	15/10/2025	N/A	2	N/A	N/A
Winter	I-WeBS	Ashton Callows	26/11/2025	N/A	3	N/A	N/A
Winter	I-WeBS	Little Brosna Callow Hut	01/12/2025	N/A	4	N/A	N/A
Winter	I-WeBS	Glasderry Wood	01/12/2025	N/A	6	N/A	N/A
Winter	I-WeBS	Glasderry More bridge	01/12/2025	N/A	7	N/A	N/A
Winter	I-WeBS	Glasderry Wood	09/02/2026	N/A	4	N/A	N/A
Winter	I-WeBS	Glasderry More bridge	09/02/2026	N/A	7	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	09/02/2026	N/A	6	N/A	N/A
Winter	I-WeBS	Riverstown bridge	09/02/2026	N/A	4	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	12/03/2026	N/A	2	N/A	N/A
Winter	I-WeBS	Site 2	15/10/2025	N/A	60	N/A	N/A
Winter	I-WeBS	Site 4	15/10/2025	N/A	2	N/A	N/A
Winter	I-WeBS	Dovegrove Callows	09/02/2026	N/A	4	N/A	N/A
Winter	I-WeBS	Ashton Callows	26/11/2025	N/A	3	N/A	N/A
Winter	I-WeBS	Little Brosna Callow Hut	01/12/2025	N/A	4	N/A	N/A
Winter	I-WeBS	Glasderry Wood	01/12/2025	N/A	6	N/A	N/A
Winter	I-WeBS	Glasderry More bridge	01/12/2025	N/A	7	N/A	N/A





- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - ▣ Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Mallard
 - Flightlines - Ecology Ireland 2020 - 2026
 - Mallard



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A	02/04/2026	First issue	K.K J.S
Rev	Date	Description	By Chkd.

Client: 

Project: **Ballincor Wind Farm**

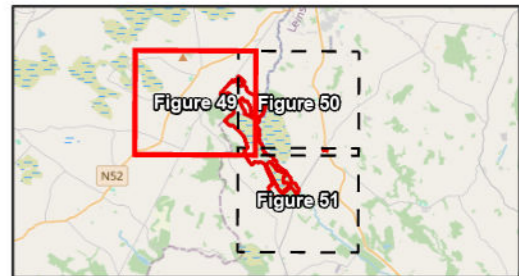
Title: **Appendix 7-I, Figure 48:
over the survey period
(May 2020 – March 2026)
Overview**

Scale @ A3: 1:32,000
Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-012.ApX-VP-MA-SUM-A_overview Draft: **A**



Legend

- ▭ Proposed wind farm boundary
- ▭ High activity area - Ecology Ireland 2020 - 2024
- Flightlines - Ecology Ireland 2020 - 2024
- Mallerd



Spatial Reference
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A	07/04/2026	First issue	K.K	J.S

Client: 

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 49:
 Mallerd observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 1 of 3 -**

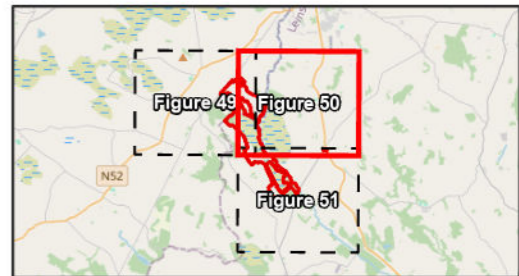
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-012.ApX.BBS-VP-MA-SUM-A Draft: **A**



Legend

- Proposed wind farm boundary
- High activity area - Ecology Ireland 2020 - 2024
- Flightlines - Ecology Ireland 2020 - 2024
- Mallard



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A	07/04/2026	First issue	K.K	J.S

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Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 50:
 Mallard observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 2 of 3 -**

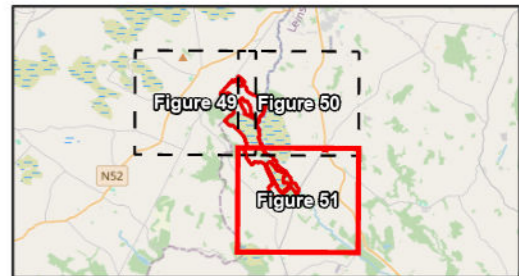
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-012.ApX.BBS-VP-MA-SUM-A Draft: **A**



Legend

- ▬ Proposed wind farm boundary
- ▬ High activity area - Ecology Ireland 2020 - 2024
- ▬ Flightlines - Ecology Ireland 2020 - 2024
- ▬ Mallard



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A	07/04/2026	First issue	K.K	J.S

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Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 51:
 Mallard observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 3 of 3 -**

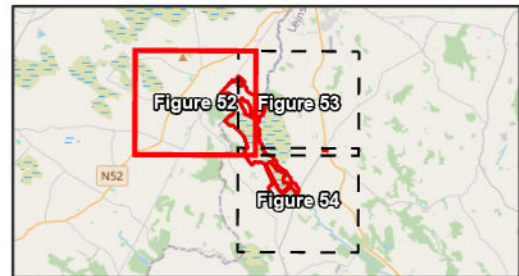
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

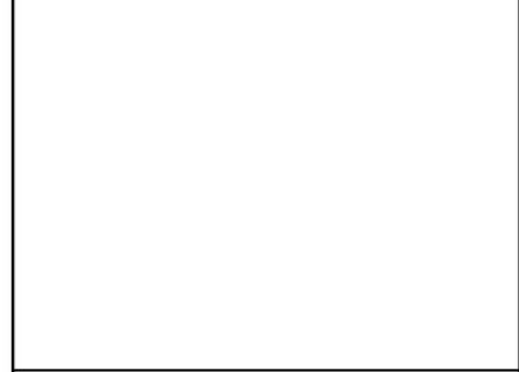
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Map Ref: 11333-012.ApX.BBS-VP-MA-SUM-A Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Mallard
 - Flightlines - Ecology Ireland 2020 - 2024
 - Mallard



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Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 52:
 Mallard observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 1 of 3 -**

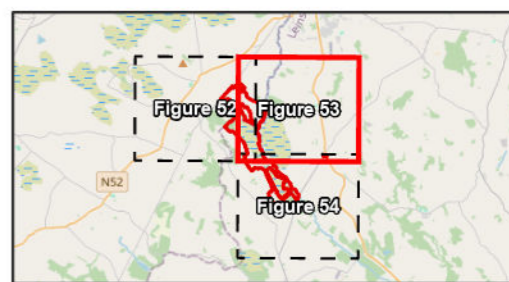
Scale @ A3: 1:17,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

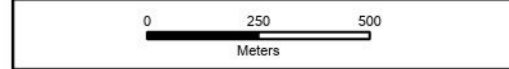
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Map Ref: 11333-012.ApX.WBS-VP-MA-SUM-A Draft: **A**



- Legend**
- ▬ Proposed wind farm boundary
 - ▬ High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - ▬ Mallard
 - Flightlines - Ecology Ireland 2020 - 2024
 - ▬ Mallard



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A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 53: Mallard observations over the survey period (May 2020 – March 2026) - Sheet 2 of 3 -**

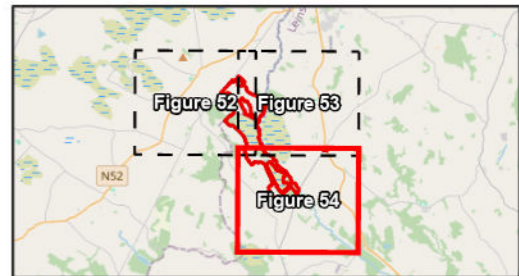
Scale @ A3: 1:17,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

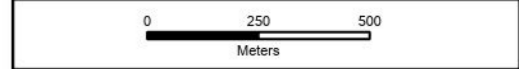
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Map Ref: 11333-012.ApX.WBS-VP-MA-SUM-A Draft: **A**



- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Mallard
 - Flightlines - Ecology Ireland 2020 - 2024
 - Mallard



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Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 54:
 Mallard observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 3 of 3 -**

Scale @ A3: 1:17,000

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Map Ref: 11333-012.ApX.WBS-VP-MA-SUM-A Draft: **A**

Appendix 7-1 - XIV MERLIN



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP24-20/21	Wintering	VP, 3	08/10/2020	12:00:00	1	90	16.5m	50	40
RP42-20/21	Wintering	VP, 3	08/10/2020	14:30:00	1	15	27.5m	0	15
RP64-20/21	Wintering	VP, 3	05/11/2020	14:30:00	1	1103	2m	1103	0
RP65-20/21	Wintering	VP, 1	05/11/2020	14:45:00	1	110	12.5m	100	10
RP102-20/21	Wintering	VP, 4	14/01/2021	11:10:00	1	Unknown	15m	Unknown	0
RP158-20/21	Wintering	VP, 1	08/03/2021	11:58:00	1	120	45m	10	110
RP30-21/22	Wintering	VP1	02/12/2021	12:16:00	1	240	5m	240	0
RP77-21/22	Wintering	VP4	14/01/2022	14:12:00	1	26	5m	26	0
RP120-21/22	Wintering	VP1	11/02/2022	09:34:00	1	68	5m	0	68
RP122-21/22	Wintering	VP1	11/02/2022	09:40:00	1	4200	5m	0	4200
RP180-21/22	Wintering	VP5	14/03/2022	13:16:00	1	23	25m	3	20
RP68-22/23	Wintering	VP3	20/02/2023	08:59:00	1	20	2.5m	20	0
RP71-22/23	Wintering	VP3	20/02/2023	10:00:00	1	16	2.5m	16	0
RP105-22/23	Wintering	VPA	27/03/2023	10:24:00	1	28	2.5m	28	0
RP45-23	Breeding	VP3	02/05/2023	12:12:00	1	40	2.5m	40	0
RP55-23/24	Wintering	VP2	27/11/2023	14:22:00	1	22	15m	22	0
RP78-23/24	Wintering	VP5	20/12/2023	10:53:00	1	15	5m	0	15
RP102-23/24	Wintering	VP1	25/01/2024	14:30:00	1	480	2.5m	0	480
RP111-23/24	Wintering	VP3	25/01/2024	09:35:00	1	35	15m	35	0
RP117-23/24	Wintering	VP3	25/01/2024	11:45:00	1	110	62.5m	60	50
RP119-23/24	Wintering	VP3	25/01/2024	12:04:00	1	720	2.5m	720	0
RP95-23/24	Wintering	VP1	25/01/2024	12:25:00	1	22	15m	15	7
RP96-23/24	Wintering	VP1	25/01/2024	12:25:00	1	840	2.5m	0	840



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP97-23/24	Wintering	VP1	25/01/2024	12:39:00	1	31	2.5m	6	25
RP133-23/24	Wintering	VPA	02/02/2024	11:05:00	1	10	2.5m	10	0
RP134-23/24	Wintering	VPA	02/02/2024	13:22:00	1	300	-	300	0
RP136-23/24	Wintering	VP2, VP1	23/02/2024	11:05:00	1	120	2.5m	120	0
RP144-23/24	Wintering	VP1	23/02/2024	14:10:00	1	30	15m	15	15
RP159-23/24	Wintering	VP3	26/02/2024	13:46:00	1	20	2m	20	0
RP160-23/24	Wintering	VP3	26/02/2024	13:51:00	1	15	2m	15	0
RP162-23/24	Wintering		26/02/2024	13:08:00	1	1200	22.5m	0	1200
RP204-23/24	Wintering	VP3	21/03/2024	08:54:00	1	18	62.5m	0	18
RP106-24	Breeding	VP4	26/06/2024	14:21:00	1	40	37.5m	0	40
RP168-24	Breeding	VP1	28/08/2024	12:55:00	1	15	15m	10	5
RP169-24	Breeding	VP1	28/08/2024	13:02:00	1	10	2.5m	5	5
RP182-24	Breeding	VP3	28/08/2024	14:14:00	1	70	27.5m	50	20

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00033	Winter	VP2	30/10/2025	11:19:00	1	18	0	0	0	0	18
F00078	Winter	VP5	19/11/2025	15:22:00	1	28	0	0	0	0	28
F00300	Winter	VP5	14/01/2026	09:33:00	1	45	10	0	0	0	55
F00311	Winter	VP1	27/01/2026	09:03:00	1	16	0	0	0	0	16

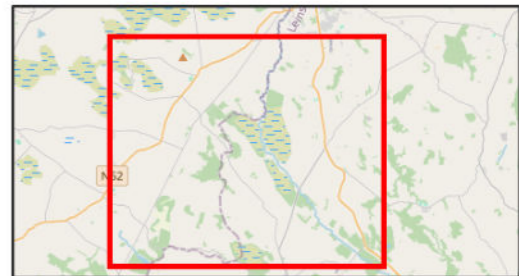
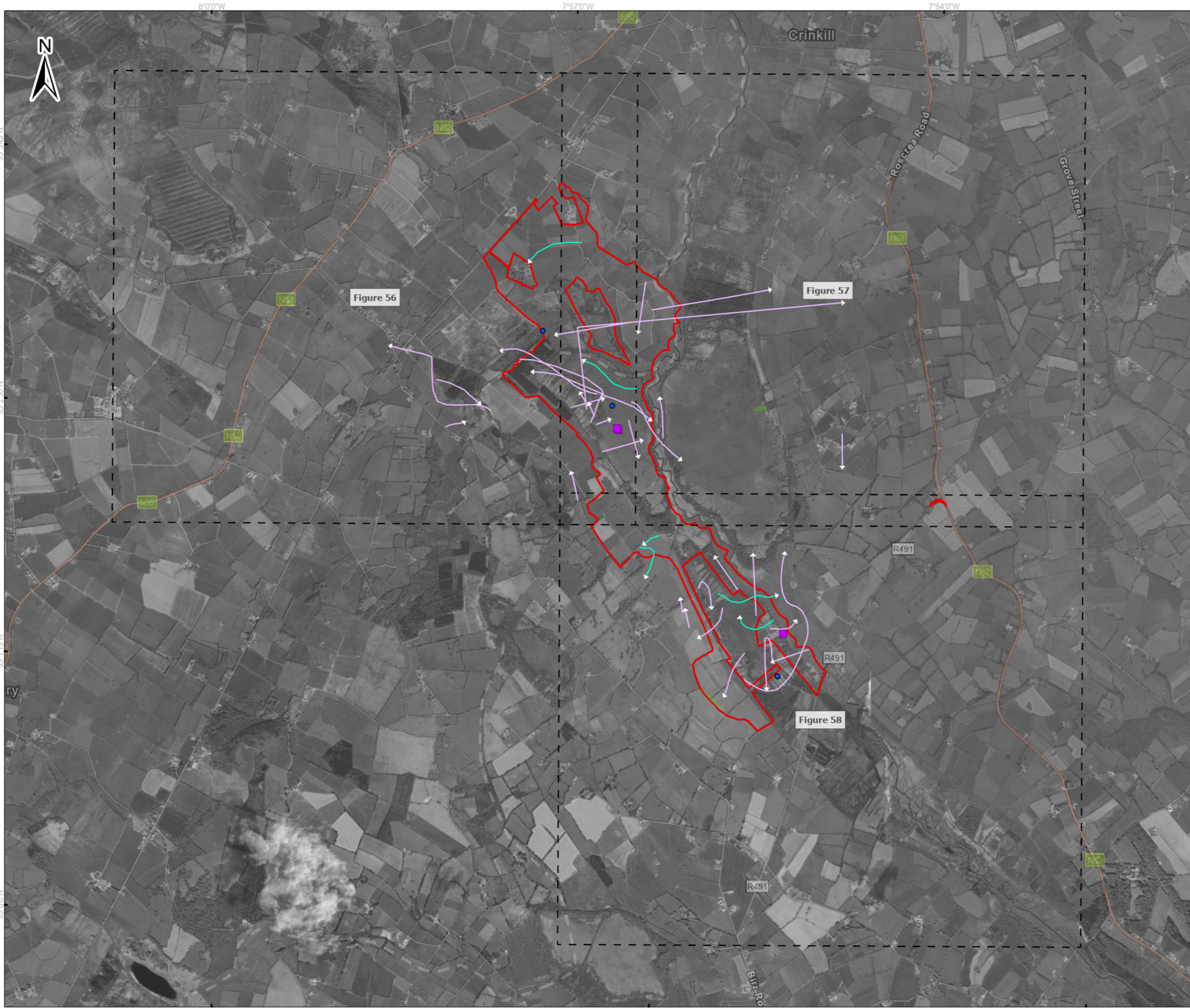


TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00488	Winter	VP3	26/02/2026	12:37:00	2	7	0	0	0	0	7
F00489	Winter	VP3	26/02/2026	12:42:00	2	14	0	0	0	0	14

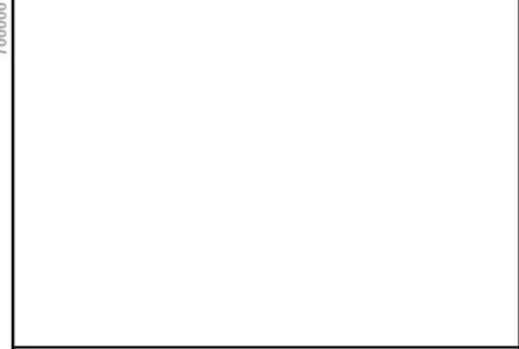
Ecology Ireland Transect Survey																										
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)			
2020/2021	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2023/2024	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00279	Winter	HH roost	HHVP1	24/11/2025	16:37:00	1	PB1	in flight
P00333	Winter	VP	VP5	08/12/2025	13:30:00	1	N/A	N/A
P00581	Winter	HH roost	HHVP1	22/01/2026	17:06:00	1	PB1	in flight





- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
- Flightlines - TOBIN 2025/26
- Merlin
- Flightlines - Ecology Ireland 2020 - 2024
- Merlin



Spatial Reference Datum: IREN95 EPSG: 2157	Copyrights: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community.
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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client: 

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 55:
Merlin observations
over the survey period
(May 2020 – March 2026)
Overview**

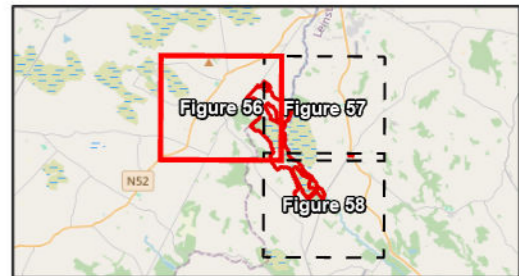
Scale @ A3: 1:32,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

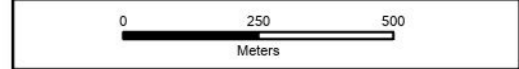
TOBIN

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www.tobin.ie

Map Ref: 11333-013.ApX-VP-ML-SUM-A_overview Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020 - 2024
- Flightlines - TOBIN 2025/26
- Merlin
- Flightlines - Ecology Ireland 2020 - 2024
- Merlin



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 56:
 Merlin observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 1 of 3 -**

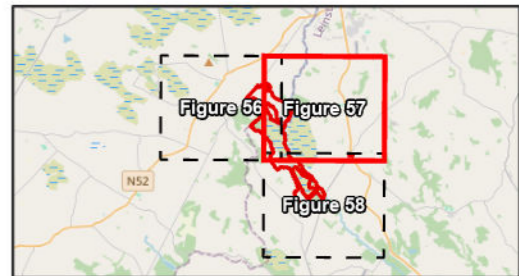
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

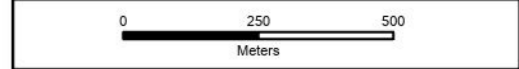
TOBIN

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 www.tobin.ie

Map Ref: 11333-013.ApX-VP-ML-SUM-A Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020 - 2024
- Flightlines - TOBIN 2025/26
- Merlin
- Flightlines - Ecology Ireland 2020 - 2024
- Merlin



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 57:
 Merlin observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 2 of 3 -**

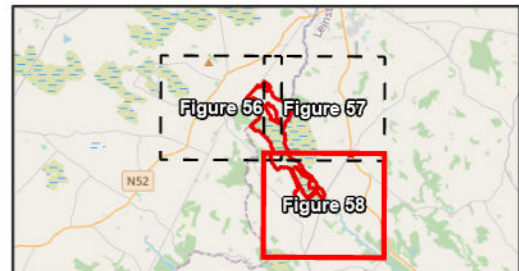
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

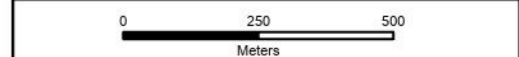
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Map Ref: 11333-013.ApX-VP-ML-SUM-A Draft: **A**



- Legend**
- ▬ Proposed wind farm boundary
 - ▬ High activity area - Ecology Ireland 2020 - 2024
 - ▬ Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020 - 2024
- Flightlines - TOBIN 2025/26
- ▬ Merlin
- Flightlines - Ecology Ireland 2020 - 2024
- ▬ Merlin



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 58:
 Merlin observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 3 of 3 -**

Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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 www.tobin.ie

Map Ref: 11333-013.ApX-VP-ML-SUM-A Draft: **A**

Appendix 7-1 - XV MUTE SWAN



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT41-20	Breeding	VP3	14/05/2020	14:04:00	2	152	25m	100	52
WT38-20/21	Wintering	VP, 5	05/11/2020	10:50:00	4	0	0m	Unknown	Unknown
WT69-20/21	Wintering	VP, 5	04/12/2020	09:15:00	1	14400	0m	14400	0
WT78-20/21	Wintering	VP, 3	04/12/2020	12:29:00	3	25	100m	20	5
WT103-20/21	Wintering	VP, 5	14/01/2021	12:59:00	3	Unknown	0m	0	Unknown
WT117-20/21	Wintering	VP, 5	09/02/2021	09:30:00	3	21600	0m	0	21600
WT136-20/21	Wintering	VP, 3, VP, 5	08/03/2021	12:52:00	2	40	10m	0	40
WT24-21	Breeding	VP1	17/05/2021	09:07:00	2	20	2.5m	20	0
WT34-21	Breeding	VP3	11/06/2021	09:13:00	1	45	30m	45	0
WT41-21	Breeding	VP5	11/06/2021	12:04:00	1	120	-	120	0
WT44-21	Breeding	VP1	14/06/2021	12:58:00	1	20	17.5m	0	20
WT10-21/22	Wintering	VP5, VP2, VP1	23/11/2021	09:07:00	2	215	15m	10	205
WT33-21/22	Wintering	VP5	23/11/2021	14:46:00	1	840	0m	840	0
WT37-21/22	Wintering	VP1	02/12/2021	08:56:00	3	8	5m	8	0
WT40-21/22	Wintering	VP5	02/12/2021	09:00:00	4	10800	0m	0	10800
WT72-21/22	Wintering	VP5	06/12/2021	09:05:00	7	21300	0m	0	21300
WT73-21/22	Wintering	VP5	06/12/2021	09:20:00	2	46	10m	15	31
WT74-21/22	Wintering	VP5	06/12/2021	10:46:00	1	76	40m	0	76
WT96-21/22	Wintering	VP2	10/12/2021	12:26:00	2	4	15m	4	0
WT97-21/22	Wintering	VP1	10/12/2021	12:28:00	2	60	5m	60	0
WT107-21/22	Wintering	VP3, VP5	14/01/2022	09:22:00	3	169	5m	169	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT120-21/22	Wintering	VP3	14/01/2022	12:33:00	1	47	5m	24	23
WT121-21/22	Wintering	VP3, VP5	14/01/2022	12:44:00	2	71	5m	28	43
WT122-21/22	Wintering	VP5	14/01/2022	12:53:00	7	3000	0m	0	3000
WT146-21/22	Wintering	VP3	10/02/2022	09:27:00	3	19980	0m	0	19980
WT154-21/22	Wintering	VP3	10/02/2022	11:47:00	3	146	5m	0	146
WT162-21/22	Wintering	VP5	11/02/2022	09:05:00	7	0	0m	0	0
WT167-21/22	Wintering	VP2, VP5	11/02/2022	11:06:00	1	60	5m	35	25
WT172-21/22	Wintering	VP5	11/02/2022	12:58:00	3	60	0m	60	0
WT174-21/22	Wintering	VP5	11/02/2022	13:05:00	5	50	0m	50	0
WT178-21/22	Wintering	VP5	11/02/2022	13:30:00	2	0	0m	0	0
WT180-21/22	Wintering	VP5	11/02/2022	13:36:00	2	40	20m	0	40
WT181-21/22	Wintering	VP5	11/02/2022	13:42:00	2	20	15m	0	20
WT186-21/22	Wintering	VP5	11/02/2022	14:52:00	2	0	0m	0	0
WT187-21/22	Wintering	VP5	11/02/2022	14:57:00	2	0	0m	0	0
WT59-22/23	Wintering	VPA	30/11/2022	13:09:00	2	600	2.5m	600	0
WT61-22/23	Wintering	VPA	30/11/2022	13:15:00	3	3600	2.5m	3600	0
WT78-22/23	Wintering	VPA	20/12/2022	10:04:00	2	0	-	-	-
WT84-22/23	Wintering	VPB, VPA	20/12/2022	10:21:00	2	68	15m	48	20
WT85-22/23	Wintering	VP3	20/12/2022	10:22:00	2	15	2.5m	13	2
WT89-22/23	Wintering	VP4	20/12/2022	10:41:00	2	66	62.5m	12	54
WT128-22/23	Wintering	VP5, VP2	21/12/2022	09:49:00	2	172	12.5m	53	119
WT147-22/23	Wintering	VP5	21/12/2022	13:33:00	2	37	15m	7	30
WT265-22/23	Wintering	VP2	25/01/2023	12:20:00	1	120	0m		120
WT294-22/23	Wintering	VP5	25/01/2023	11:12:00	2	60	10m	10	50



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT297-22/23	Wintering	VP5	25/01/2023	14:05:00	1	30	30m	30	0
WT239-22/23	Wintering	VPA	27/01/2023	09:41:00	1	27	25m	12	15
WT242-22/23	Wintering	VPA	27/01/2023	09:55:00	6	15600	2.5m	15600	
WT254-22/23	Wintering	VPA	27/01/2023	14:15:00	6	4680	2.5m	4680	
WT259-22/23	Wintering	VPB	27/01/2023	09:52:00	3	78	10m	60	18
WT273-22/23	Wintering	VP3	27/01/2023	09:18:00	1	60	30m	60	0
WT152-22/23	Wintering	VP3	20/02/2023	09:05:00	2	265	15m	180	85
WT154-22/23	Wintering	VP4	20/02/2023	09:09:00	2	30	5m	0	30
WT201-22/23	Wintering	VPA	27/03/2023	10:01:00	2	16800	2.5m	16800	0
WT227-22/23	Wintering	VPB	27/03/2023	12:35:00	2	20	2.5m	0	20
WT233-22/23	Wintering	VPA, VPB	27/03/2023	14:21:00	2	92	62.5m	52	40
WT129-23	Breeding	VPA	26/09/2023	09:02:00	5	1800	0m	1800	0
WT139-23	Breeding	VPB	26/09/2023	11:36:00	2	90	2.5m	45	45
WT174-23/24	Wintering	VPA	20/12/2023	13:01:00	2	5400		0	5400
WT240-23/24	Wintering	VP5, VPB	29/01/2024	14:06:00	2	58	62.5m	3	55
WT248-23/24	Wintering	VPB	29/01/2024	11:35:00	2	6	10m	0	6
WT262-23/24	Wintering	VPA	02/02/2024	10:10:00	6	600	-	600	0
WT264-23/24	Wintering	VPA	02/02/2024	10:40:00	6	120	15m	20	100
WT265-23/24	Wintering	VPA	02/02/2024	10:40:00	4	200	62.5m	200	0
WT270-23/24	Wintering	VPA	02/02/2024	12:24:00	6	120	15m	100	20
WT273-23/24	Wintering	VPA	02/02/2024	13:58:00	2	60	62.5m	55	5
WT305-23/24	Wintering	VPA	26/02/2024	08:54:00	2	21600	2.5m	21600	0
WT319-23/24	Wintering	VPB	26/02/2024	11:26:00	2	60	2.5m	0	60
WT135-24	Breeding	VP5	28/08/2024	09:09:00	1	36	62.5m	0	36



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT141-24	Breeding	VP2, VP1	28/08/2024	11:35:00	1	90	40m	40	50
WT142-24	Breeding	VPB, VP5	28/08/2024	11:52:00	1	72	12.5m	0	72
WT144-24	Breeding	VP1	28/08/2024	12:07:00	2	25	15m	20	5
WT151-24	Breeding	VP2, VP1	23/09/2024	09:23:00	3	18	27.5m	3	15
WT154-24	Breeding	VP2, VP1	23/09/2024	09:51:00	1	12	35m	0	12
WT173-24	Breeding	VP5	24/09/2024	10:34:00	2	8	15m	0	8
WT175-24	Breeding	VP3, VP5	24/09/2024	10:51:00	1	15	30m	0	15
WT176-24	Breeding	VP3	24/09/2024	11:28:00	5	35	25m	0	35
WT187-24	Breeding	VP5	24/09/2024	13:56:00	1	33	15m	0	33
WT191-24	Breeding	VPA	27/09/2024	11:31:00	2	6	2m	0	6
WT193-24	Breeding	VPA	27/09/2024	14:02:00	1	21	3.5m	3	18
WT205-24	Breeding	VPB	28/09/2024	12:28:00	1	15	2.5m	15	0

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00017	Winter	VP1	28/10/2025	14:47:00	2	0	68	0	0	0	68
F00096	Winter	VP1	27/11/2025	12:34:00	2	10	0	0	0	0	10
F00162	Winter	VP5	08/12/2025	10:36:00	3	15	0	0	0	0	15
F00166	Winter	VP5	08/12/2025	12:54:00	3	0	66	0	0	0	66
F00244	Winter	VP2	03/12/2025	10:01:00	2	5	0	0	0	0	5



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00290	Winter	VP4	12/01/2026	09:13:00	3	0	0	82	0	0	82
F00294	Winter	VP4	12/01/2026	09:36:00	3	20	15	0	0	0	35
F00396	Winter	VP1	10/02/2026	13:32:00	2	18	0	0	0	0	18
F00407	Winter	VP2	12/02/2026	10:04:00	1	12	22	0	0	0	34
F00409	Winter	VP2	12/02/2026	10:21:00	1	2	4	32	0	0	38
F00458	Winter	VP1	24/02/2026	14:36:00	1	24	0	0	0	0	24
F00508	Winter	VP3	26/02/2026	17:52:00	2	0	0	41	0	0	41

Ecology Ireland Transect Survey																									
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)		
2020	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
2022/2023	-	1	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
2020/2021	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2023	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2023/2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2	-	2	-	-	-

TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00261	Winter	Transect	T2,5,6	24/11/2025	12:29:00	1	FW2	on water



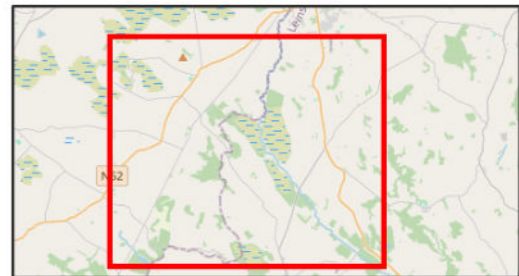
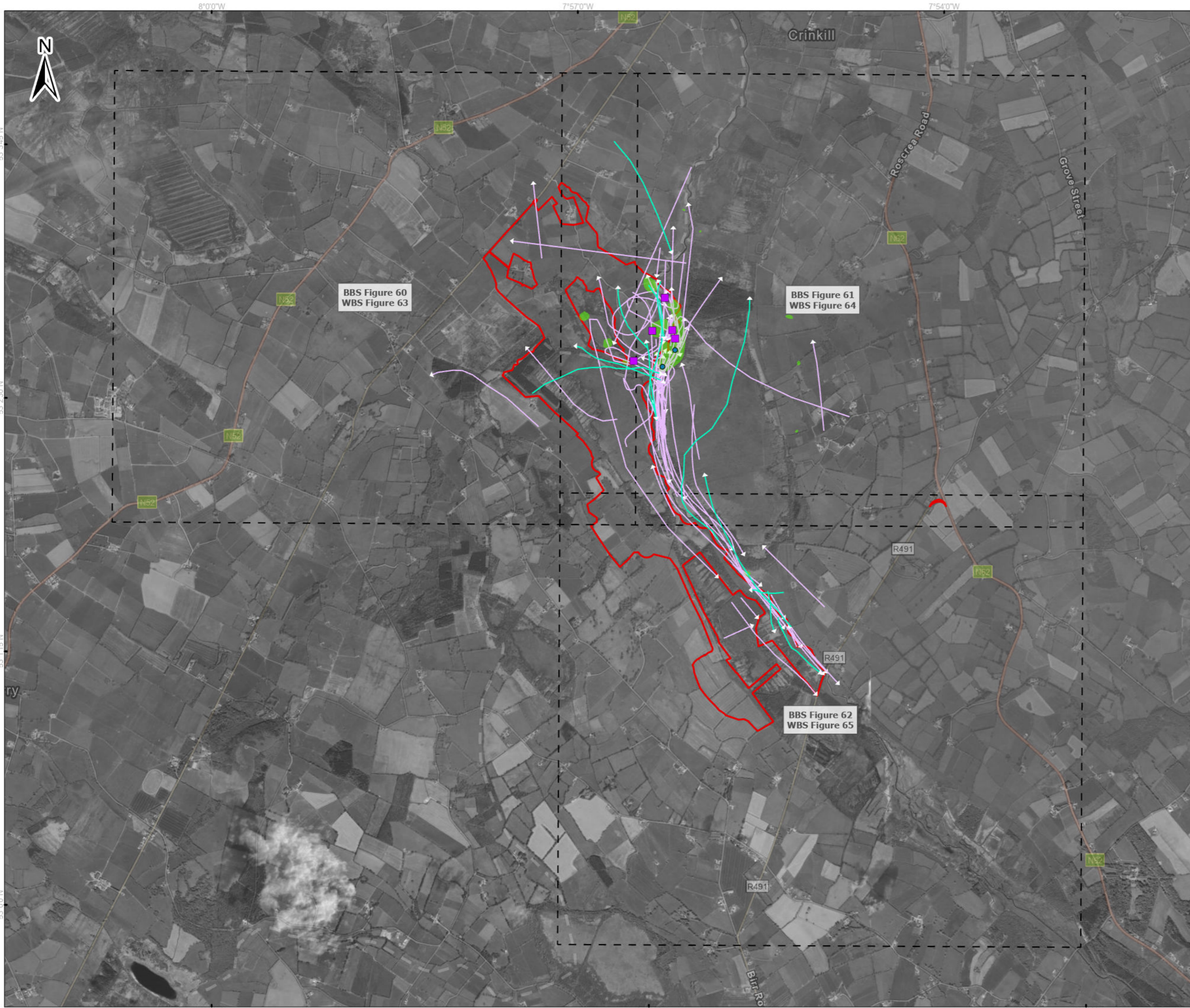
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00370	Winter	VP	VP1	02/12/2025	N/A	N/A	N/A	N/A
P00435	Winter	Transect	T2, T5, T6	05/12/2025	10:47:00	1	FW2	on water
P00439	Winter	Transect	T2, T5, T6	05/12/2025	11:09:00	2	FW2	in flight
P00652	Winter	Transect	T1, T3, T4	11/02/2026	12:47:00	2	FW2	N/A

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Site 2	15/10/2025	N/A	2	N/A	N/A
Winter	I-WeBS	Little Brosna Callows SPA	26/11/2025	N/A	2	N/A	N/A
Winter	I-WeBS	Ashton Callows	26/11/2025	N/A	2	N/A	N/A
Winter	I-WeBS	Dovegrove Callows	26/11/2025	N/A	10	N/A	N/A
Winter	I-WeBS	Clonfree 1	26/11/2025	N/A	4	N/A	N/A
Winter	I-WeBS	Dovesgrove Callows	01/12/2025	N/A	4	N/A	N/A
Winter	I-WeBS	Glasderry More bridge	01/12/2025	N/A	2	N/A	N/A
Winter	I-WeBS	Little Brosna Callow Hut	16/01/2026	N/A	2	N/A	N/A
Winter	I-WeBS	Ashton Callow Hut	16/01/2026	N/A	2	N/A	N/A
Winter	I-WeBS	Glasderry More Bridge	16/01/2026	N/A	6	N/A	N/A
Winter	I-WeBS	Glasderry Wood	16/01/2026	N/A	2	N/A	N/A
Winter	I-WeBS	Glasderry Wood	09/02/2026	N/A	2	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	09/02/2026	N/A	2	N/A	N/A

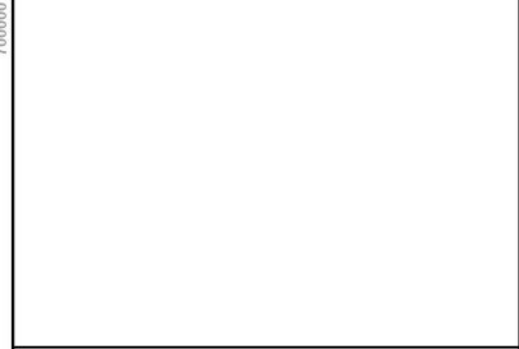


TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Dovegrove Callows	09/02/2026	N/A	4	N/A	N/A
Winter	I-WeBS	Ashton callow hut	09/02/2026	N/A	4	N/A	N/A
Winter	I-WeBS	Glasderry Wood	12/03/2026	N/A	2	N/A	N/A
Winter	I-WeBS	Birr, Croghan Road Bridge	12/03/2026	N/A	3	N/A	N/A
Winter	I-WeBS	Dovegrove Callows	12/03/2026	N/A	1	N/A	N/A
Winter	I-WeBS	Ashton Callow hut	12/03/2026	N/A	7	N/A	N/A





- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - ▭ Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020 - 2024
- Flightlines - TOBIN 2025/26
- Mute Swan
- Flightlines - Ecology Ireland 2020 - 2024
- Mute Swan



Spatial Reference
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 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client: 

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 59: Mute Swan observations over the survey period (May 2020 – March 2026) Overview**

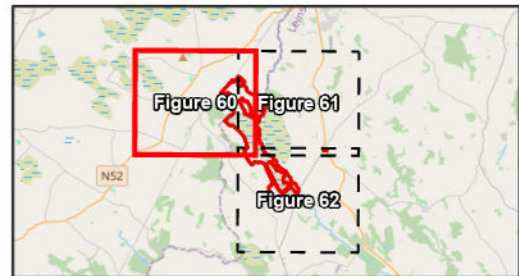
Scale @ A3: 1:32,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

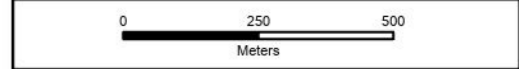
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Map Ref: 11333-014.ApX-VP-MS-SUM-A_overview Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020 - 2024
 - Flightlines - Ecology Ireland 2020 - 2024
 - Mute Swan



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Rev	Date	Description	By	Chkd.
A	07/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 60:
 Mute Swan observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 1 of 3 -**

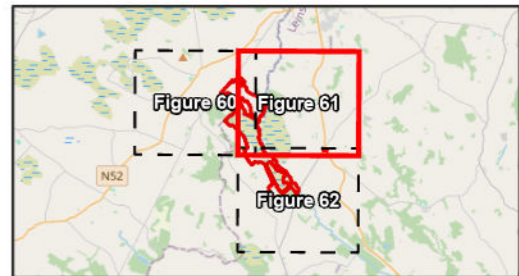
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

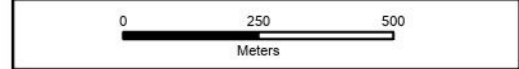
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Map Ref: 11333-014.ApX.BBS-VP-MS-SUM-A Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020 - 2024
 - Flightlines - Ecology Ireland 2020 - 2024
 - Mute Swan



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A	07/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 61: Mute Swan observations over the survey period (May 2020 – March 2026) - Sheet 2 of 3 -**

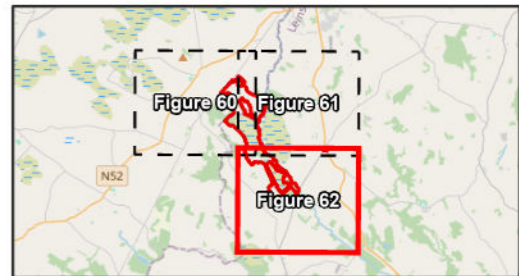
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-014.ApX.BBS-VP-MS-SUM-A Draft: **A**



- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Non-flight - Ecology Ireland 2020 - 2024
 - ▬ Flightlines - Ecology Ireland 2020 - 2024
 - ▬ Mute Swan



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A	07/04/2026	First issue	K.K	J.S

Client: 

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 62:
 Mute Swan observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 3 of 3 -**

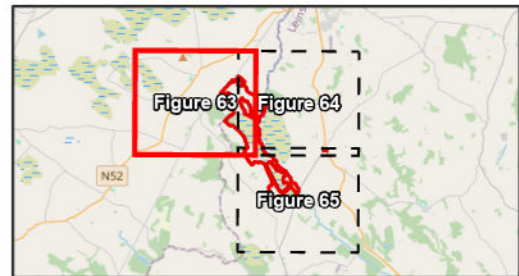
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

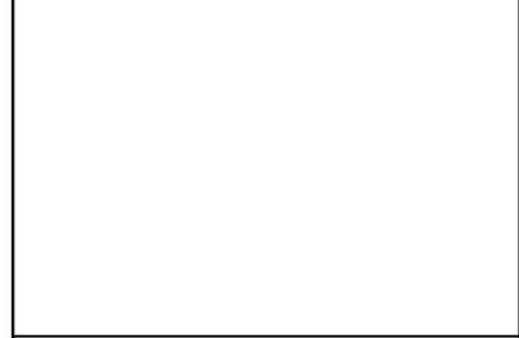
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Map Ref: 11333-014.ApX.BBS-VP-MS-SUM-A Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020 - 2024
 - Flightlines - TOBIN 2025/26
 - Mute Swan
 - Flightlines - Ecology Ireland 2020 - 2024
 - Mute Swan



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A	02/04/2026	First issue	K.K	J.S

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Project: **Ballincor Wind Farm**

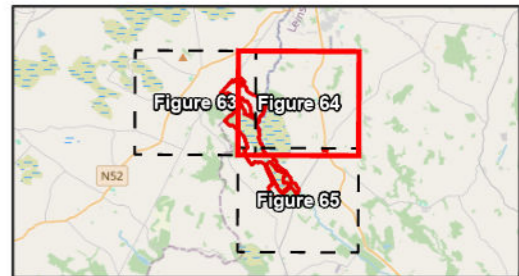
Title: **Appendix 7-I, Figure 63:
Mute Swan observations
over the survey period
(May 2020 – March 2026)
- Sheet 1 of 3 -**

Scale @ A3: 1:15,000
Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

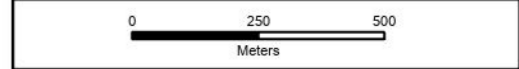
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Map Ref: 11333-014.ApX.WBS-VP-MS-SUM-A Draft: **A**



- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020 - 2024
 - Flightlines - TOBIN 2025/26
 - Mute Swan
 - Flightlines - Ecology Ireland 2020 - 2024
 - Mute Swan



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A	02/04/2026	First issue	K.K	J.S

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Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 64:
 Mute Swan observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 2 of 3 -**

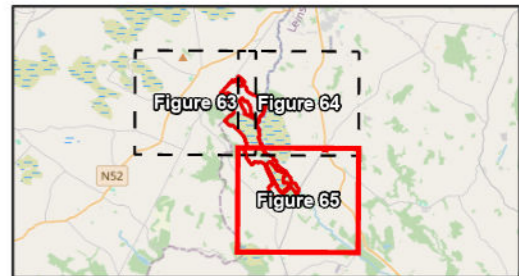
Scale @ A3: 1:15,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-014.ApX.WBS-VP-MS-SUM-A Draft: **A**



- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020 - 2024
 - Flightlines - TOBIN 2025/26
 - Mute Swan
 - Flightlines - Ecology Ireland 2020 - 2024
 - Mute Swan



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Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 65:
 Mute Swan observations
 over the survey period
 (May 2020 – March 2026)
 - Sheet 3 of 3 -**

Scale @ A3: 1:15,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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 www.tobin.ie

Map Ref: 11333-014.ApX.WBS-VP-MS-SUM-A Draft: **A**

Appendix 7-1 - XVI PEREGRINE



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP11-20/21	Wintering	VP, 2	08/10/2020	11:02:00	1	10	10m	10	0
RP4-20/21	Wintering	VP, 3	08/10/2020	10:07:00	1	10	15m	10	0
RP68-20/21	Wintering	VP, 3	05/11/2020	15:04:00	1	30	50m	10	20
RP70-20/21	Wintering	VP, 3	05/11/2020	15:40:00	1	15	5m	15	0
RP101-20/21	Wintering	VP, 5	14/01/2021	11:04:00	1	15	65m	0	15
RP117-20/21	Wintering	VP, 4	09/02/2021	10:34:00	1	75	45m	40	35
RP129-20/21	Wintering	VP, 2	09/02/2021	14:00:00	1	10	20m	10	0
RP142-20/21	Wintering	VP, 2	08/03/2021	10:42:00	1	20	15m	20	0
RP168-20/21	Wintering	VP, 2	08/03/2021	12:38:00	1	350	95m	25	325
RP5-21	Breeding	VP2	23/04/2021	14:12:00	1	27	50m	0	27
RP6-21	Breeding	VP2	23/04/2021	14:21:00	1	15	20m	14	1
RP7-21	Breeding	VP2	23/04/2021	14:30:00	1	64	40m	64	0
RP8-21	Breeding	VP3	23/04/2021	12:13:00	1	12	40m	7	5
RP81-21	Breeding	VP2	16/07/2021	12:22:00	1	10	62.5m	10	0
RP10-21/22	Wintering	VP5	23/11/2021	12:01:00	1	10	1m	0	10
RP11-21/22	Wintering	VP5	23/11/2021	12:30:00	1	5400	1m	0	5400
RP12-21/22	Wintering	VP5	23/11/2021	13:01:00	1	2880	1m	0	2880
RP14-21/22	Wintering	VP1	02/12/2021	08:46:00	1	26	35m	12	14
RP20-21/22	Wintering	VP1, VP1	02/12/2021	10:19:00	1	33	25m	0	33
RP28-21/22	Wintering	VP5	02/12/2021	11:45:00	1	5	10m	0	5
RP50-21/22	Wintering	VP5	06/12/2021	11:32:00	1	5280	1m	0	5280
RP125-21/22	Wintering	VP5	11/02/2022	10:09:00	1	60	1m	0	60
RP129-21/22	Wintering	VP5	11/02/2022	11:02:00	1	10	10m	0	10



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP131-21/22	Wintering	VP1	11/02/2022	11:59:00	1	1260	5m	1260	0
RP132-21/22	Wintering	VP2	11/02/2022	12:04:00	1	600	5m	600	0
RP152-21/22	Wintering	VP4	14/03/2022	10:31:00	1	4	20m	0	4
RP11-22/23	Wintering	VP3, VPA	30/11/2022	09:14:00	1	180	62.5m	180	0
RP28-22/23	Wintering	VPA	30/11/2022	14:55:00	1	71	15m	0	71
RP40-22/23	Wintering	VP3	20/12/2022	10:50:00	1	120	62.5m	0	120
RP54-22/23	Wintering	VP2	21/12/2022	09:37:00	1	51	17.5m	48	3
RP84-22/23	Wintering	VPA	20/02/2023	12:31:00	1	317	60m	17	300
RP110-22/23	Wintering	VP2	27/03/2023	10:40:00	1	5	15m	5	0
RP136-22/23	Wintering	VPB	27/03/2023	12:23:00	1	40	62.5m	40	0
RP144-22/23	Wintering	VP1	27/03/2023	13:08:00	1	5	62.5m	0	5
RP101-23	Breeding	VP2	23/06/2023	12:37:00	1	72	62.5m	0	72
RP160-23	Breeding	VPA	20/07/2023	11:46:00	1	46	15m	16	30
N/A	Breeding	VP5	26/09/2023	10:40:00	1	0	1m	-	-
RP227-23	Breeding	VP2, VP5	26/09/2023	11:02:00	1	85	62.5m	0	85
RP228-23	Breeding	VP2	26/09/2023	11:02:00	1	65	25m	60	5
RP229-23	Breeding	VPA	26/09/2023	11:05:00	1	20	62.5m	20	0
RP246-23	Breeding	VPA	26/09/2023	12:14:00	1	60	62.5m	0	60
RP12-23/24	Wintering	VP4	24/10/2023	11:01:00	1	75	62.5m	0	75
RP18-23/24	Wintering	VP4	24/10/2023	13:46:00	1	50	15m	20	30
RP25-23/24	Wintering	VPA	24/10/2023	08:34:00	1	205	17.5m	190	15
RP28-23/24	Wintering	VPA	24/10/2023	10:20:00	1	212	10m	200	12
RP29-23/24	Wintering	VPA	24/10/2023	10:23:00	1	30	10m	30	0
RP30-23/24	Wintering	VPA	24/10/2023	11:37:00	2	137	15m	137	0
RP6-23/24	Wintering	VP3	24/10/2023	09:30:00	1	75	20m	75	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
N/A	Wintering	VPB	20/12/2023	14:32:00	1	2	15m	-	-
RP83-23/24	Wintering	VP5	20/12/2023	13:08:00	1	45	75m	0	45
RP88-23/24	Wintering	VPA	20/12/2023	14:21:00	1	29	15m	0	29
RP103-23/24	Wintering	VP2	25/01/2024	09:05:00	1	10	15m	10	0
RP98-23/24	Wintering	VP1	25/01/2024	13:35:00	1	43	2.5m	30	13
RP145-23/24	Wintering	VP2, VP1	23/02/2024	14:19:00	1	29	15m	29	
RP175-23/24	Wintering	VPA	26/02/2024	12:55:00	1	360	15m	30	330
RP14-24	Breeding	VP2	31/05/2024	09:10:00	1	42	62.5m	0	42
RP30-24	Breeding	VP2	31/05/2024	11:25:00	2	115	62.5m	15	100
RP119-24	Breeding	VP2	24/07/2024	11:26:00	1	20	62.5m	10	10
RP176-24	Breeding	VP5	28/08/2024	13:51:00	1	52	62.5m	0	52
RP220-24	Breeding	VP5	24/09/2024	14:16:00	1	106	62.5m	0	106

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00040	Winter	VP3	29/10/2025	13:52:00	2	5	20	10	0	0	35
F00146	Winter	VP3	28/11/2025	12:25:00	1	0	16	43	0	0	59
F00232	Winter	VP2	03/12/2025	08:46:00	1	0	0	37	0	0	37
F00248	Winter	VP2	03/12/2025	10:47:00	1	0	12	30	0	0	42
F00524	Winter	VP2	17/02/2026	09:31:00	1	0	0	21	11	0	32



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00541	Winter	VP2	17/02/2026	12:22:00	1	3	34	29	0	0	66

Ecology Ireland Transect Survey																									
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)		
2022/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
2020/2021	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2023/2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-
2024	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2022/2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Little Brosna Callow Hut	01/12/2025	N/A	1	N/A	N/A



Appendix 7-1 - XVII PINTAIL



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT167-23/24	Wintering	VPA	20/12/2023	08:40:00	6	21600	2.5m	21600	-
WT310-23/24	Wintering	VPA, VPB	26/02/2024	08:54:00	3	21600	2.5m	21600	0
WT387-23/24	Wintering	VPA	27/03/2024	10:20:00	200	14000	2.5m	0	14000

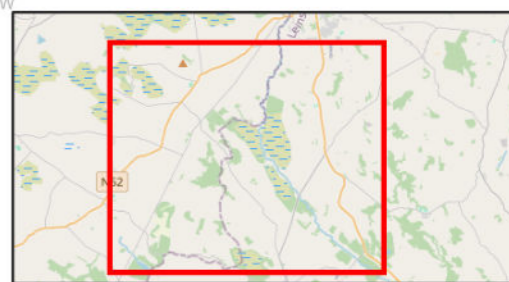
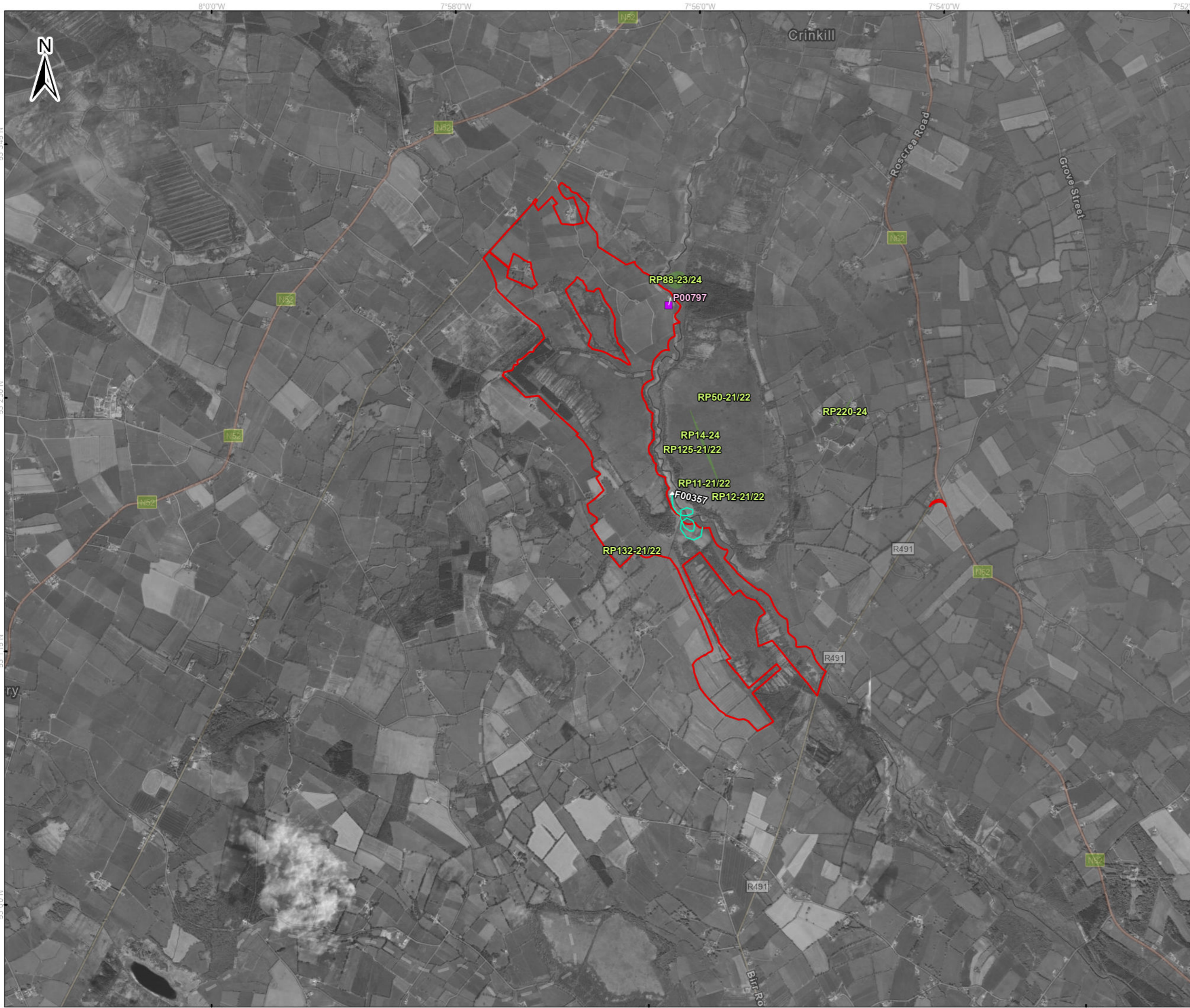
TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00357	Winter	VP3	23/01/2026	12:22:00	1	34	61	0	0	0	95

TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00797	Winter	Transect	T6	13/03/2026	15:04:00	34	FW2	Foraging



TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00129	Winter	I-WeBS	Site 2	15/10/2025	N/A	25	N/A
P00294	Winter	I-WeBS	Little Brosna Callows SPA	26/11/2025	N/A	23	N/A
P00304	Winter	I-WeBS	Ashton Callows	26/11/2025	N/A	69	N/A
P00315	Winter	I-WeBS	Clonfree 1	26/11/2025	N/A	7	N/A
P00447	Winter	I-WeBS	Dovegrove Callows	01/12/2025	N/A	3	N/A
P00449	Winter	I-WeBS	Little Brosna Callow Hut	01/12/2025	N/A	35	N/A
P00461	Winter	I-WeBS	Ashton Callow Hut	01/12/2025	N/A	17	N/A
P00590	Winter	I-WeBS	Little Brosna Callow Hut	16/01/2026	N/A	67	N/A
P00596	Winter	I-WeBS	Ashton Callow Hut	16/01/2026	N/A	52	N/A
P00709	Winter	I-WeBS	Little Brosna callow hut	09/02/2026	N/A	27	N/A
P00718	Winter	I-WeBS	Ashton callow hut	09/02/2026	N/A	27	N/A
P00786	Winter	I-WeBS	Ashton Callow hut	12/03/2026	N/A	7	N/A





- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - ▭ Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Pintail



Spatial Reference
 Datum: IREN95
 EPSG: 2157

Copyrights:
 Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community.

Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client: 

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 67:
 Pintail observations
 over the survey period
 (May 2020 – March 2026)**

Scale @ A3: 1:32,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

TOBIN

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Map Ref: 11333-016.ApX-VP-PT-SUM-A Draft: **A**

Appendix 7-1 - XVIII SNIPE



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WD1-20	Breeding	VP5	04/06/2020	11:09:00	2	30	15m	0	30
WD2-20	Breeding	VP4	04/06/2020	11:12:00	2	110	47.5m	20	90
WD2-20/21	Wintering	VP, 2	08/10/2020	10:01:00	13	55	40m	50	5
WD5-20/21	Wintering	VP, 3	08/10/2020	11:44:00	25	20	12m	20	0
WD20-20/21	Wintering	VP, 1	05/11/2020	14:10:00	12 (?)	15	10m	15	0
WD8-20/21	Wintering	VP, 2	05/11/2020	10:20:00	3	10	Unknown	10	0
WD21-20/21	Wintering	VP, 4	04/12/2020	08:49:00	2	20	10m	0	20
WD22-20/21	Wintering	VP, 2	04/12/2020	09:12:00	3	10	2.5m	10	0
WD26-20/21	Wintering	VP, 4	04/12/2020	11:15:00	1	20	10m	0	20
WD30-20/21	Wintering	VP, 1	04/12/2020	12:59:00	4	10	10m	5	5
WD38-20/21	Wintering	VP, 3	09/02/2021	13:49:00	1	0	10m	Unknown	0
WD40-20/21	Wintering	VP, 3	09/02/2021	14:55:00	1	0	10m	Unknown	0
WD1-21	Breeding	VP1	16/07/2021	10:39:00	1	1	2.5m	1	0
WD2-21/22	Wintering	VP1	23/11/2021	11:26:00	4	2	5m	0	2
WD3-21/22	Wintering	VP1	02/12/2021	12:04:00	1	3	0m	0	3
WD4-21/22	Wintering	VP2	02/12/2021	13:51:00	1	19	30m	16	3
WD5-21/22	Wintering	VP3	14/01/2022	08:45:00	1	1	0.5m	1	0
WD13-21/22	Wintering	VP3	14/03/2022	11:12:00	5	70	25m	70	0
WD1-22/23	Wintering	VP1	28/11/2022	09:22:00	1	115	15m	48	67
WD3-22/23	Wintering	VP2	28/11/2022	13:20:00	40	60	2.5m	60	0
WD4-22/23	Wintering	VP1	28/11/2022	14:03:00	7	10	10m	10	0
WD13-22/23	Wintering	VPB	20/12/2022	12:10:00	1	2	2.5m	2	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WD17-22/23	Wintering	VP4	20/12/2022	14:36:00	1	53	15m	13	40
WD19-22/23	Wintering	VP2	21/12/2022	10:54:00	3	15	5m	15	0
WD47-22/23	Wintering	VP2	25/01/2023	12:56:00	21	25	25m	25	
WD11-23	Breeding	VPA	28/08/2023	08:22:00	1	30	15m	30	0
WD12-23	Breeding	VPA	28/08/2023	08:57:00	20	75	25m	75	0
WD13-23	Breeding	VP3	28/08/2023	09:31:00	10	10	12.5m	0	10
WD3-23	Breeding	VPA	28/08/2023	09:34:00	18	15	10m	15	0
WD10-23	Breeding	VPB	26/09/2023	14:12:00	4	240	15m	240	0
WD4-23	Breeding	VPB	26/09/2023	08:50:00	3	40	15m	0	40
WD5-23	Breeding	VP1	26/09/2023	10:16:00	1	15	2.5m	15	0
WD9-23	Breeding	VP3	26/09/2023	14:09:00	6	18	10m	18	0
WD1-23/24	Wintering	VP1	24/10/2023	10:06:00	2	20	20m	2	18
WD10-23/24	Wintering	VP4	24/10/2023	10:02:00	1	38	62.5m	0	38
WD13-23/24	Wintering	VPA	24/10/2023	10:30:00	3	6	1m	6	0
WD2-23/24	Wintering	VP1	24/10/2023	12:48:00	1	10	40m	7	3
WD5-23/24	Wintering	VP2	24/10/2023	13:25:00	20	10	2.5m	10	0
WD8-23/24	Wintering	VP3	24/10/2023	09:52:00	3	20	5m	20	0
WD24-23/24	Wintering	VP2	27/11/2023	12:30:00	1	20	2.5m	20	0
WD32-23/24	Wintering	VPA	20/12/2023	09:52:00	2	160	62.5m	0	160
WD34-23/24	Wintering	VPA	20/12/2023	11:29:00	2	22	2.5m	22	0
WD41-23/24	Wintering	VP2	25/01/2024	10:35:00	39	60	-	60	0
WD47-23/24	Wintering	VP3	26/02/2024	08:45:00	1	10	3m	10	0
WD51-23/24	Wintering	VPA	26/02/2024	10:03:00	1	35	15m	17	18
N/A	Breeding	VP4	29/05/2024	09:20:00	1	-	7.5m	-	-
WD1-24	Breeding	VP1	23/09/2024	11:28:00	1	30	30m	20	10



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WD2-24	Breeding	VP1	23/09/2024	14:36:00	1	30	25m	30	0
WD3-24	Breeding	VP3	24/09/2024	08:56:00	1	90	50m	80	10
WD5-24	Breeding	VP5	24/09/2024	09:20:00	3	38	62.5m	0	38
WD7-24	Breeding	VP4	24/09/2024	12:53:00	1	70	2.5m	0	70

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00044	Winter	VP4	16/10/2025	16:00:00	1	10	8	0	0	0	18
F00098	Winter	VP1	27/11/2025	12:54:00	14	4	23	154	0	0	181
F00100	Winter	VP1	27/11/2025	12:56:00	10	0	3	31	0	0	34
F00230	Winter	VP2	03/12/2025	08:44:00	2	17	0	0	0	0	17
F00337	Winter	VP2	21/01/2026	12:51:00	1	21	0	0	0	0	21
F00466	Winter	VP1	24/02/2026	16:01:00	1	12	0	0	0	0	12

Ecology Ireland Transect Survey																										
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)			
2020	-	-	5	-	4	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
2022/2023	-	-	1	-	4	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-



Ecology Ireland Transect Survey																								
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)	
	2020/2021	1	1	2	-	4	1	6	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
2023	-	-	2	-	5	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
2023/2024	-	-	2	-	4	-	5	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-	1	-
2024	-	-	1	-	3	-	4	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-

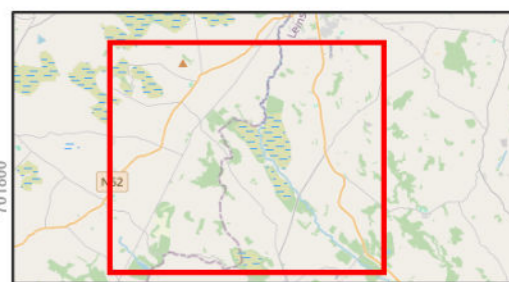
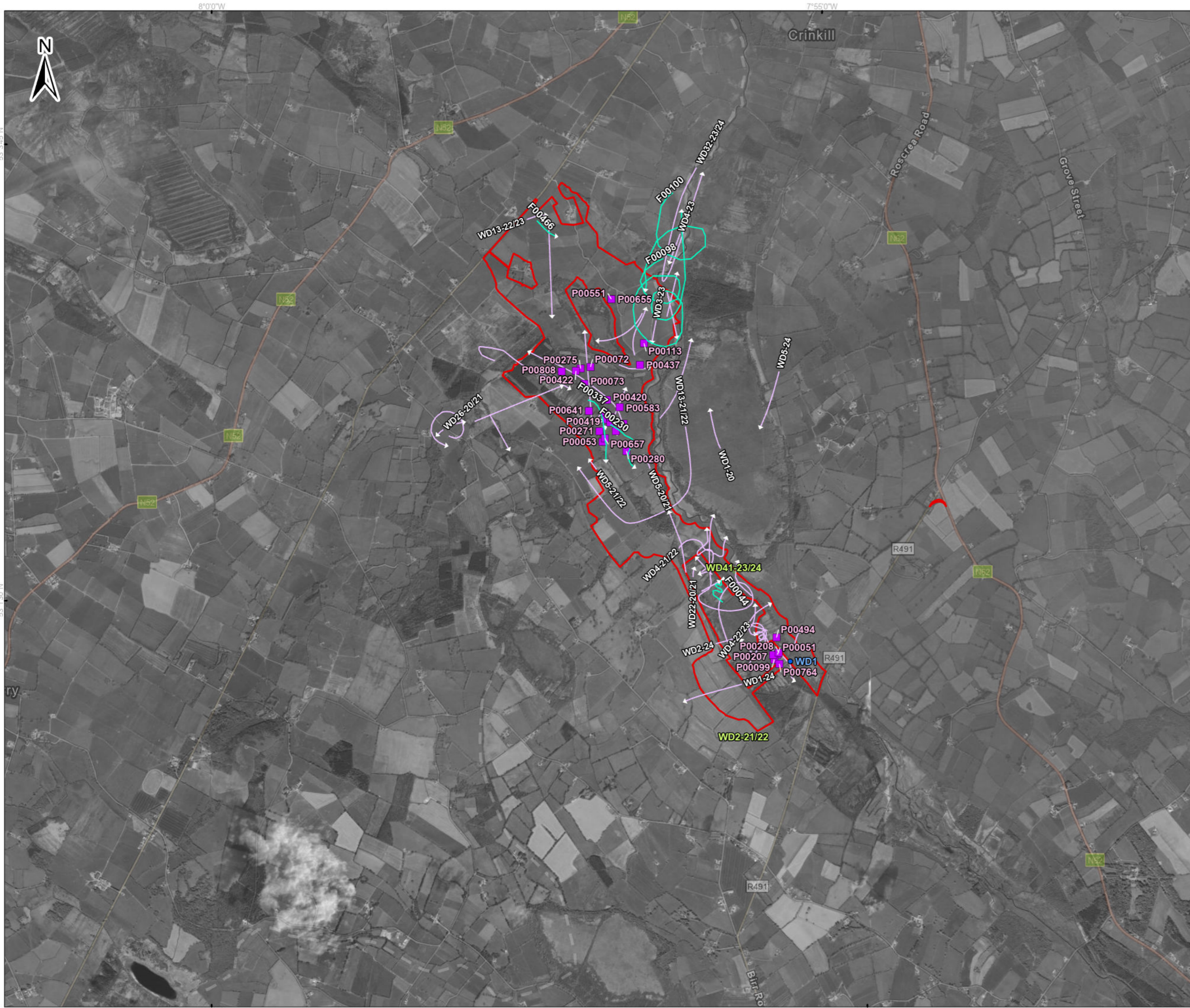
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00020	Winter	VP	VP2	30/10/2025	06:48:00	1	N/A	Flushed
P00021	Winter	VP	VP2	30/10/2025	06:52:00	1	N/A	Flushed
P00051	Winter	HH roost	HHVP2	13/10/2025	19:18:00	1	PB4	flushed
P00053	Winter	HH roost	HHVP1	14/10/2025	18:59:00	1	PB4	Flushed
P00072	Winter	Transect	T2	14/10/2025	16:21:00	1	PB3	flushed
P00073	Winter	Transect	T2	14/10/2025	16:30:00	1	PB3	flushed
P00099	Winter	Transect	T4	13/10/2025	12:40:00	1	PB4	in flight
P00113	Winter	Transect	T6	14/10/2025	12:50:00	1	N/A	in flight
P00127	Winter	I-WeBS	Site 2	15/10/2025	N/A	32	N/A	N/A
P00137	Winter	I-WeBS	Site 10	15/10/2025	N/A	1	N/A	N/A
P00207	Winter	HH roost	HHVP2	20/11/2025	17:20:00	1	N/A	in flight
P00208	Winter	HH roost	HHVP2	20/11/2025	17:25:00	1	N/A	in flight
P00271	Winter	Transect	T2,5,6	24/11/2025	14:15:00	1	PB1	in flight
P00275	Winter	Transect	T2,5,6	24/11/2025	14:25:00	2	PB1	in flight
P00280	Winter	HH roost	HHVP1	24/11/2025	17:13:00	2	PB1	calling
P00298	Winter	I-WeBS	Ashton Callows	26/11/2025	N/A	5	N/A	N/A



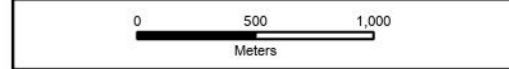
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00419	Winter	Transect	T2, T5, T6	05/12/2025	08:39:00	1	PB1	in flight
P00420	Winter	Transect	T2, T5, T6	05/12/2025	08:44:00	1	PB1	in flight
P00422	Winter	Transect	T2, T5, T6	05/12/2025	09:04:00	2	PB1	in flight
P00437	Winter	Transect	T2, T5, T6	05/12/2025	10:53:00	2	GA1	in flight
P00485	Winter	HH roost	HHVP2	03/12/2025	16:56:00	3	PB1	N/A
P00494	Winter	VP	VP4	12/01/2026	09:00:00	1	PB4	on ground
P00551	Winter	Transect	T2, T5, T6	22/01/2026	13:00:00	1	GA1	in flight
P00563	Winter	Transect	T2, T5, T6	22/01/2026	14:12:00	1	PB1	in flight
P00583	Winter	HH roost	HHVP1	22/01/2026	17:34:00	2	PB1	calling
P00584	Winter	HH roost	HHVP1	22/01/2026	17:51:00	2	PB1	calling
P00641	Winter	HH roost	HHVP1	11/02/2026	18:13:00	2	PB1	N/A
P00655	Winter	Transect	T1, T3, T4	11/02/2026	12:58:00	1	GA1	N/A
P00657	Winter	Transect	T1, T3, T4	11/02/2026	14:12:00	1	PB1	N/A
P00764	Winter	HH roost	HHVP2	09/03/2026	N/A	1	PB4	N/A
P00808	Winter	Transect	T2	13/03/2026	16:52:00	1	PB1	Flushed

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Clonfree 1 (callow)	09/02/2026	N/A	3	N/A	N/A





- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020 - 2024
- Flightlines - TOBIN 2025/26
- Snipe
- Flightlines - Ecology Ireland 2020 - 2024
- Snipe



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

Copyrights:
 Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community.

Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client: 

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 68:
 Snipe observations
 over the survey period
 (May 2020 – March 2026)**

Scale @ A3: 1:32,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-017.ApX-VP-SN-SUM-A Draft: **A**

Appendix 7-1 - XIX SPARROWHAWK



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP10-20	Breeding	VP2	28/04/2020	11:32:00	1	30	65m	30	0
RP8-20	Breeding	VP4	28/04/2020	11:05:00	1	60	87.5m	0	60
RP106-20	Breeding	VP2	10/07/2020	11:41:00	1	7	25m	7	0
RP149-20	Breeding	VP2	14/08/2020	11:38:00	1	5	1.5m	5	0
RP166-20	Breeding	VP1	14/08/2020	14:00:00	1	28	20m	0	28
RP13-20/21	Wintering	VP, 1	08/10/2020	11:06:00	1	20	1m	20	0
RP14-20/21	Wintering	VP, 2	08/10/2020	11:10:00	1	10	20m	10	0
RP43-20/21	Wintering	VP, 2	08/10/2020	14:38:00	2	5	20m	5	0
RP9-20/21	Wintering	VP, 3	08/10/2020	10:42:00	2	390	52.5m	120	270
RP46-20/21	Wintering	VP, 5	05/11/2020	11:04:00	2	20	17.5m	20	0
RP52-20/21	Wintering	VP, 2	05/11/2020	12:16:00	1	10	15m	10	0
RP55-20/21	Wintering	VP, 4	05/11/2020	12:44:00	1	20	25m	0	20
RP59-20/21	Wintering	VP, 3	05/11/2020	13:36:00	1	188	35m	188	0
RP60-20/21	Wintering	VP, 3	05/11/2020	13:37:00	1	30	22.5m	30	0
RP61-20/21	Wintering	VP, 1	05/11/2020	13:43:00	1	80	65m	40	40
RP63-20/21	Wintering	VP, 3	05/11/2020	14:17:00	1	17	7.5m	17	0
RP75-20/21	Wintering	VP, 3	04/12/2020	10:13:00	1	24	25m	24	0
RP80-20/21	Wintering	VP, 1	04/12/2020	11:30:00	1	9	7.5m	4	5
RP84-20/21	Wintering	VP, 5	04/12/2020	12:00:00	1	20	15m	0	20
RP103-20/21	Wintering	VP, 2	14/01/2021	11:19:00	1	35	30m	20	15
RP106-20/21	Wintering	VP, 2	14/01/2021	12:12:00	2	89	55m	89	0
RP118-20/21	Wintering	VP, 4	09/02/2021	10:53:00	1	25	25m	0	25
RP121-20/21	Wintering	VP, 2	09/02/2021	11:38:00	2	40	70m	40	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP135-20/21	Wintering	VP, 4	08/03/2021	09:51:00	1	283	90m	0	283
RP140-20/21	Wintering	VP, 4	08/03/2021	10:37:00	1	18	7m	0	18
RP141-20/21	Wintering	VP, 4	08/03/2021	10:41:00	1	17	7m	0	17
RP173-20/21	Wintering	VP, 4	08/03/2021	12:58:00	1	123	30m	0	123
RP182-20/21	Wintering	VP, 4	08/03/2021	13:11:00	1	120	40m	0	120
RP193-20/21	Wintering	VP, 4	08/03/2021	13:46:00	1	142	45m	0	142
RP205-20/21	Wintering	VP, 4	08/03/2021	14:29:00	1	60	50m	0	60
RP18-21	Breeding	VP3	14/05/2021	09:24:00	1	30	62.5m	30	0
RP31-21	Breeding	VP3	14/05/2021	12:44:00	1	20	17.5m	20	0
RP39-21	Breeding	VP4	14/05/2021	13:54:00	1	35	90	32	3
RP42-21	Breeding	VP5	14/05/2021	11:33:00	1	75	47.5m	0	75
RP51-21	Breeding	VP1	17/05/2021	12:00:00	1	60	100m+	0	60
RP64-21	Breeding	VP5	11/06/2021	10:03:00	1	15	62.5m	0	15
RP71-21	Breeding	VP1	14/06/2021	13:54:00	1	3	2.5m	2	1
RP79-21	Breeding	VP1, VP2	16/07/2021	13:23:00	1	180	25m	180	0
RP100-21	Breeding	VP1	18/08/2021	13:10:00	1	35	35m	0	35
RP101-21	Breeding	VP1	18/08/2021	13:26:00	1	110	70m	10	100
RP17-21/22	Wintering	VP1, VP1	02/12/2021	10:03:00	1	74	5m	74	0
RP25-21/22	Wintering	VP4	02/12/2021	11:30:00	1	60	15m	0	60
RP45-21/22	Wintering	VP1	02/12/2021	14:33:00	1	14	5m	13	1
RP47-21/22	Wintering	VP4	06/12/2021	10:09:00	1	10	10m	0	10
RP48-21/22	Wintering	VP5	06/12/2021	10:55:00	1	8	2m	0	8
RP51-21/22	Wintering	VP5	06/12/2021	11:40:00	1	80	20m	0	80
RP52-21/22	Wintering	VP5	06/12/2021	11:53:00	1	35	25m	0	35
RP64-21/22	Wintering	VP1	10/12/2021	12:28:00	1	60	5m	60	0



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP66-21/22	Wintering	VP2	10/12/2021	13:24:00	1	6	10m	6	0
RP67-21/22	Wintering	VP2	10/12/2021	14:16:00	1	10	0m	10	0
RP69-21/22	Wintering	VP4	14/01/2022	09:38:00	1	11	25m	11	0
RP70-21/22	Wintering	VP3	14/01/2022	10:27:00	1	44	25m	22	22
RP79-21/22	Wintering	VP1	17/01/2022	10:32:00	1	4	15m	4	0
RP81-21/22	Wintering	VP2	17/01/2022	11:34:00	1	14	15m	14	0
RP82-21/22	Wintering	VP1, VP2	17/01/2022	14:32:00	1	50	20m	50	0
RP106-21/22	Wintering	VP3	10/02/2022	13:29:00	1	23	5m	0	23
RP112-21/22	Wintering	VP4, VP3	10/02/2022	13:56:00	1	201	25m	190	11
RP126-21/22	Wintering	VP2	11/02/2022	10:36:00	1	10	5m	10	0
RP128-21/22	Wintering	VP1	11/02/2022	10:42:00	1	79	25m	0	79
RP159-21/22	Wintering	VP2	14/03/2022	11:19:00	1	98	60m	98	0
RP175-21/22	Wintering	VP5	14/03/2022	12:32:00	1	99	25m	0	99
RP188-21/22	Wintering	VP5, VP2	14/03/2022	13:41:00	1	111	25m	111	0
RP1-22/23	Wintering	VP2	28/11/2022	09:21:00	1	15	15m	9	6
RP2-22/23	Wintering	VP2	28/11/2022	09:30:00	1	10	2.5m	4	6
RP3-22/23	Wintering	VP5	28/11/2022	10:12:00	1	3	10m	0	3
RP9-22/23	Wintering	VP2	28/11/2022	13:40:00	1	10	25m	0	10
RP14-22/23	Wintering	VP3	30/11/2022	09:40:00	1	8	15m	0	8
RP17-22/23	Wintering	VPB	30/11/2022	10:47:00	1	15	10m	15	0
RP21-22/23	Wintering	VPA	30/11/2022	12:38:00	1	175	2.5m	0	175
RP22-22/23	Wintering	VPB	30/11/2022	12:40:00	1	20	10m	1	19
RP23-22/23	Wintering	VP3	30/11/2022	12:45:00	1	16	15m	16	0
RP24-22/23	Wintering	VPB	30/11/2022	13:06:00	1	278	110m	168	110
RP26-22/23	Wintering	VPB	30/11/2022	14:18:00	1	79	160m	0	79



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP41-22/23	Wintering	VP4	20/12/2022	10:52:00	1	20	15m	0	20
RP46-22/23	Wintering	VPA	20/12/2022	11:18:00	1	1713	25m	0	12
RP53-22/23	Wintering	VP2	21/12/2022	09:35:00	1	83	20m	83	0
RP56-22/23	Wintering	VP2	21/12/2022	10:33:00	1	30	55m	30	0
RP57-22/23	Wintering	VP2, VP1	21/12/2022	11:14:00	2	199	40m	199	0
RP59-22/23	Wintering	VP2	21/12/2022	12:29:00	1	81	27.5m	60	21
RP60-22/23	Wintering	VP2	21/12/2022	12:30:00	1	20	35m	0	20
RP61-22/23	Wintering	VP2, VP1	21/12/2022	12:34:00	1	65	30m	65	0
RP158-22/23	Wintering	VP3	27/01/2023	15:00:00	1	34	22.5m	34	
RP102-22/23	Wintering	VP2	20/02/2023	14:45:00	1	103	62.5m	30	73
RP69-22/23	Wintering	VP4	20/02/2023	09:32:00	1	20	5m	15	5
RP82-22/23	Wintering	VPA	20/02/2023	12:25:00	1	75	35m	0	75
RP98-22/23	Wintering	VP4	20/02/2023	14:25:00	1	50	5m	0	50
RP104-22/23	Wintering	VP5	27/03/2023	10:06:00	1	45	50m	0	45
RP122-22/23	Wintering	VPA, VPB	27/03/2023	11:37:00	1	360	62.5m	300	60
RP129-22/23	Wintering	VP4	27/03/2023	12:00:00	1	10	1m	0	10
RP135-22/23	Wintering	VP1	27/03/2023	12:12:00	1	12	15m	12	0
RP138-22/23	Wintering	VP5	27/03/2023	12:38:00	1	12	0.5m	0	12
RP153-22/23	Wintering	VPB	27/03/2023	14:16:00	1	30	62.5m	18	12
RP10-23	Breeding	VPB	01/05/2023	12:13:00	1	360	62.5m	330	30
RP12-23	Breeding	VP4	01/05/2023	12:36:00	1	150	117.5m	50	100
RP18-23	Breeding	VPB	01/05/2023	13:31:00	1	24	62.5m	12	12
RP23-23	Breeding	VP4	01/05/2023	13:50:00	1	25	40m	0	25
RP41-23	Breeding	VP3	02/05/2023	11:12:00	1	235	15m	220	15



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP107-23	Breeding	VP1	23/06/2023	14:10:00	1	100	15m	100	0
RP108-23	Breeding	VP2	23/06/2023	14:11:00	1	27	15m	0	27
RP110-23	Breeding	VP2	23/06/2023	14:23:00	1	40	15m	20	20
RP111-23	Breeding	VP1	23/06/2023	14:28:00	1	60	15m	40	20
RP112-23	Breeding	VP2	23/06/2023	14:29:00	1	17	15m	0	17
RP87-23	Breeding	VP2	23/06/2023	10:20:00	1	45	15m	45	0
RP99-23	Breeding	VP1	23/06/2023	12:27:00	1	25	15m	8	17
RP167-23	Breeding	VPA	20/07/2023	13:15:00	1	165	100m	110	55
RP169-23	Breeding	VP5	20/07/2023	13:54:00	1	10	15m	0	10
RP172-23	Breeding	VP2	27/07/2023	08:55:00	1	127	45m	0	127
RP174-23	Breeding	VP2	27/07/2023	09:32:00	1	10	15m	10	0
RP185-23	Breeding	VPB	27/07/2023	11:59:00	1	272	15m	130	142
RP190-23	Breeding	VP1	27/07/2023	12:55:00	1	332	62.5m	0	332
RP194-23	Breeding	VP1	27/07/2023	13:29:00	1	31	62.5m	7	24
N/A	Breeding	VP2	28/08/2023	11:17:00	1	0	-	-	-
RP203-23	Breeding	VP4	28/08/2023	10:43:00	1	103	50m	0	103
RP216-23	Breeding	VP5	28/08/2023	14:27:00	1	210	62.5m	0	210
N/A	Wintering	VPA	24/10/2023	14:11:00	1	15	80m	-	-
RP10-23/24	Wintering	VP4	24/10/2023	10:04:00	1	46	15m	0	46
RP21-23/24	Wintering	VP4	24/10/2023	14:45:00	1	165	62.5m	120	45
RP24-23/24	Wintering	VP5	24/10/2023	12:55:00	1	12	15m	0	12
N/A	Wintering	VP4	27/11/2023	14:30:00	1	19	15m	-	-
RP50-23/24	Wintering	VP2	27/11/2023	13:36:00	1	64	62.5m	64	0
RP58-23/24	Wintering	VP4	27/11/2023	11:13:00	1	52	15m	0	52
RP62-23/24	Wintering	VP4	27/11/2023	11:53:00	1	23	15m	0	23



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP65-23/24	Wintering	VP4	27/11/2023	12:43:00	1	58	15m	0	58
RP73-23/24	Wintering	VP1	20/12/2023	09:26:00	1	4	3.5m	0	4
RP77-23/24	Wintering	VP2	20/12/2023	13:36:00	1	9	35m	9	0
RP86-23/24	Wintering	VPA	20/12/2023	09:36:00	1	360	15m	0	360
RP106-23/24	Wintering	VP2	25/01/2024	13:22:00	1	100	62.5m	20	80
RP109-23/24	Wintering	VP3	25/01/2024	09:11:00	1	70	15m	70	0
RP110-23/24	Wintering	VP3	25/01/2024	09:23:00	1	26	15m	26	0
RP113-23/24	Wintering	VP3	25/01/2024	10:42:00	1	34	62.5	34	0
RP115-23/24	Wintering	VP3	25/01/2024	11:00:00	2	45	62.5m	45	0
RP118-23/24	Wintering	VP3	25/01/2024	11:56:00	1	20	62.5m	20	0
RP130-23/24	Wintering	VP4	25/01/2024	10:08:00	1	7	15m	7	0
RP143-23/24	Wintering	VP1	23/02/2024	13:34:00	1	16	15m	0	16
RP147-23/24	Wintering	VP2	23/02/2024	09:55:00	1	145	62.5m	10	35
RP149-23/24	Wintering	VP2	23/02/2024	12:07:00	1	387	62.5m	0	387
RP151-23/24	Wintering	VP3	26/02/2024	09:14:00	1	35	85m	35	0
RP157-23/24	Wintering	VP3	26/02/2024	12:43:00	1	82	110m	72	10
RP180-23/24	Wintering	VPB	26/02/2024	09:44:00	1	10	1.5m	6	4
RP184-23/24	Wintering	VPB	26/02/2024	11:36:00	1	40	100m+	0	40
RP211-23/24	Wintering	VP3	21/03/2024	12:06:00	1	42	62.5m	0	42
RP234-23/24	Wintering	VPA	27/03/2024	10:39:00	1	30	62.5m	0	30
RP242-23/24	Wintering	VPB	27/03/2024	09:55:00	1	82	62.5m	0	82
RP20-24	Breeding	VP2, VP1	31/05/2024	09:58:00	1	113	62.5m	88	25
RP80-24	Breeding	VP3	24/06/2024	12:32:00	1	65	62.5m	0	65
RP149-24	Breeding	VPA	23/08/2024	12:11:00	1	70	62.5m	65	5
RP179-24	Breeding	VP1	28/08/2024	14:03:00	1	10	15m	5	5



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
RP185-24	Breeding	VP1	23/09/2024	10:44:00	1	60	25m	30	30
N/A	Breeding	VP4	24/09/2024	12:31:00	1	-	2.5m	-	-
N/A	Breeding	VP4	24/09/2024	14:15:00	2	-	62.5m	-	-
RP199-24	Breeding	VP4	24/09/2024	09:04:00	1	10	2.5m	0	10
RP205-24	Breeding	VP5	24/09/2024	10:20:00	1	12	15m	0	12
RP210-24	Breeding	VP4	24/09/2024	11:49:00	1	60	62.5m	60	0

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00082	Winter	VP1	27/11/2025	08:53:00	1	0	13	0	0	0	13
F00139	Winter	VP3	28/11/2025	09:54:00	1	0	19	0	0	0	19
F00163	Winter	VP5	08/12/2025	11:07:00	1	15	0	0	0	0	15
F00247	Winter	VP2	03/12/2025	10:46:00	2	0	22	37	0	0	59
F00275	Winter	VP3	04/12/2025	11:30:00	1	15	0	0	0	0	15
F00278	Winter	VP3	04/12/2025	12:07:00	1	10	0	0	0	0	10
F00287	Winter	VP3	04/12/2025	13:54:00	1	13	0	0	0	0	13
F00391	Winter	VP4	11/02/2026	11:12:00	1	45	0	0	0	0	45
F00405	Winter	VP2	12/02/2026	09:39:00	2	22	0	0	0	0	22
F00415	Winter	VP2	12/02/2026	11:59:00	1	0	17	0	0	0	17
F00420	Winter	VP3	13/02/2026	10:53:00	1	0	4	42	0	0	46



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00454	Winter	VP1	24/02/2026	13:22:00	1	0	0	42	0	0	42
F00467	Winter	VP1	24/02/2026	16:23:00	1	16	11	0	0	0	27
F00503	Winter	VP3	26/02/2026	16:29:00	1	19	0	0	0	0	19

Ecology Ireland Transect Survey																								
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)	
2020	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
2022/2023	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
2020/2021	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
2023	-	-	1	-	-	-	1	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
2023/2024	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
2024	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

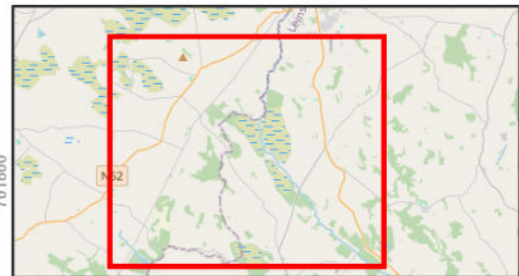
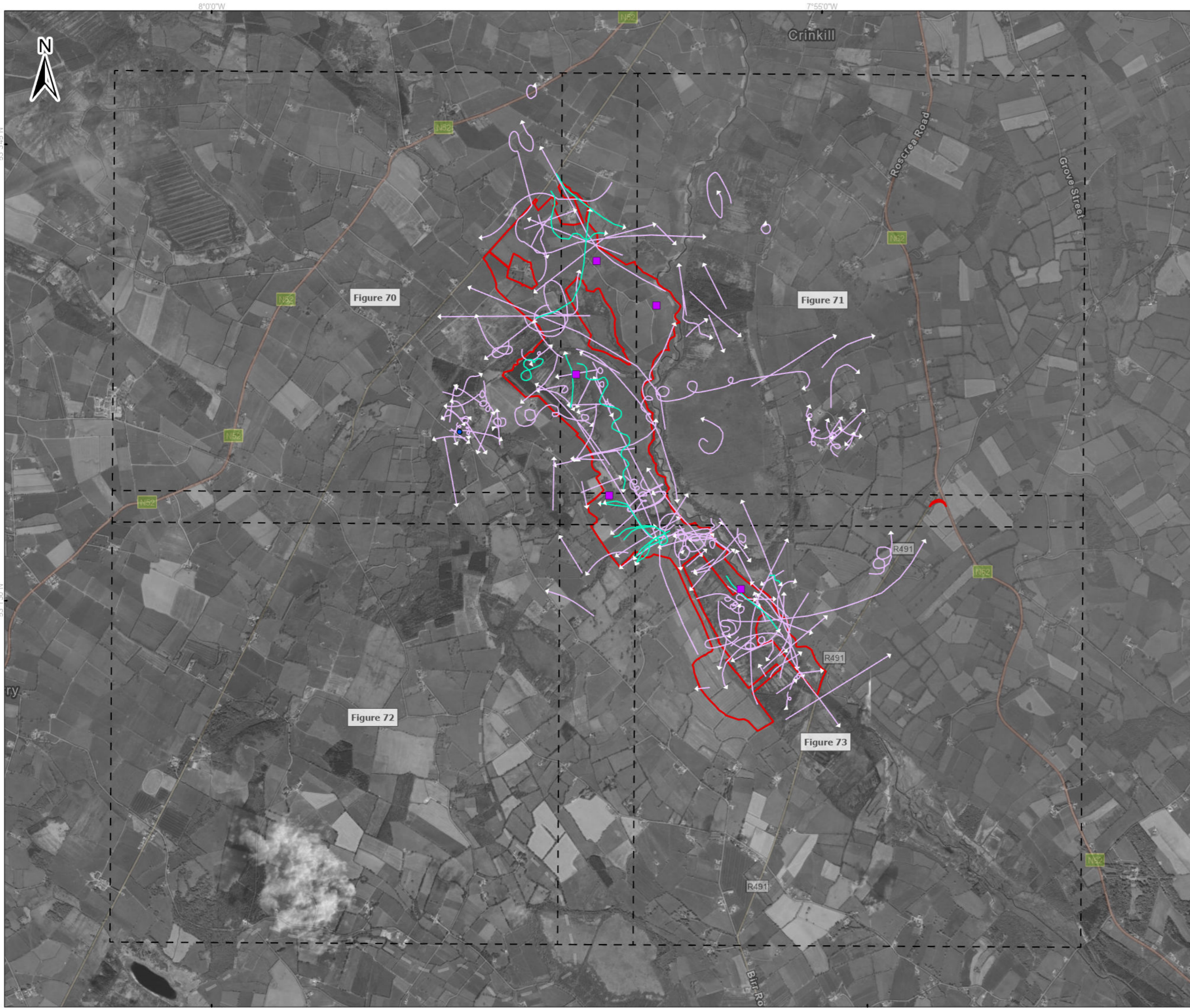
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00086	Winter	Transect	T3	13/10/2025	15:02:00	1	GA1	in flight
P00354	Winter	Transect	T4	11/12/2025	09:32:00	1	GS4	in flight
P00548	Winter	Transect	T2, T5, T6	22/01/2026	12:53:00	1	GA1	in flight



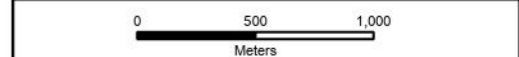
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00638	Winter	HH roost	HHVP1	11/02/2026	17:02:00	1	PB1	N/A
P00644	Winter	Transect	T1, T3, T4	11/02/2026	12:21:00	1	GA1	N/A

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Site 2	15/10/2025	N/A	1	N/A	N/A





- Legend**
- Proposed wind farm boundary
 - Point Data - TOBIN 2025/26
 - Non-flight - Ecology Ireland 2020 - 2024
 - Flightlines - TOBIN 2025/26**
 - Sparrowhawk
 - Flightlines - Ecology Ireland 2020 - 2024**
 - Sparrowhawk



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 69:
 Sparrowhawk observations
 over the survey period
 (May 2020 – March 2026)
 Overview**

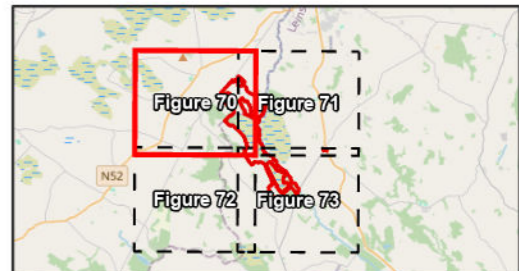
Scale @ A3: 1:32,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

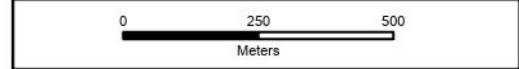
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 www.tobin.ie

Map Ref: 11333-018.ApX-VP-SH-SUM-A_overview Draft: **A**



- Legend**
- Proposed wind farm boundary
 - Non-flight - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Sparrowhawk
 - Flightlines - Ecology Ireland 2020 - 2024
 - Sparrowhawk



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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix A-I, Figure 70:
 Sparrowhawk observations
 over the survey period
 (May 2020 – Sept 2024)
 - Sheet 1 of 4 -**

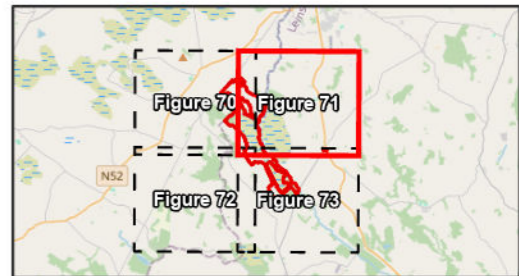
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

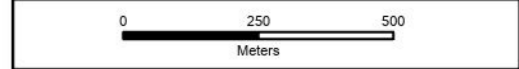
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Map Ref: 11333-018.ApX-VP-SH-SUM-A Draft: **A**



- Legend**
- Proposed wind farm boundary
 - Non-flight - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Sparrowhawk
 - Flightlines - Ecology Ireland 2020 - 2024
 - Sparrowhawk



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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix A-I, Figure 71: Sparrowhawk observations over the survey period (May 2020 – Sept 2024) - Sheet 2 of 4 -**

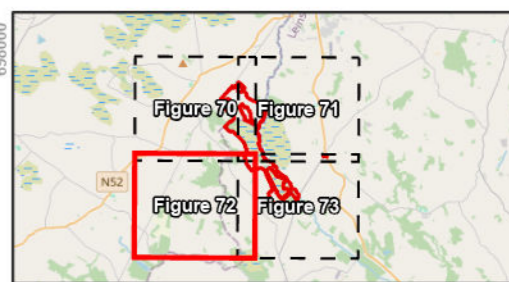
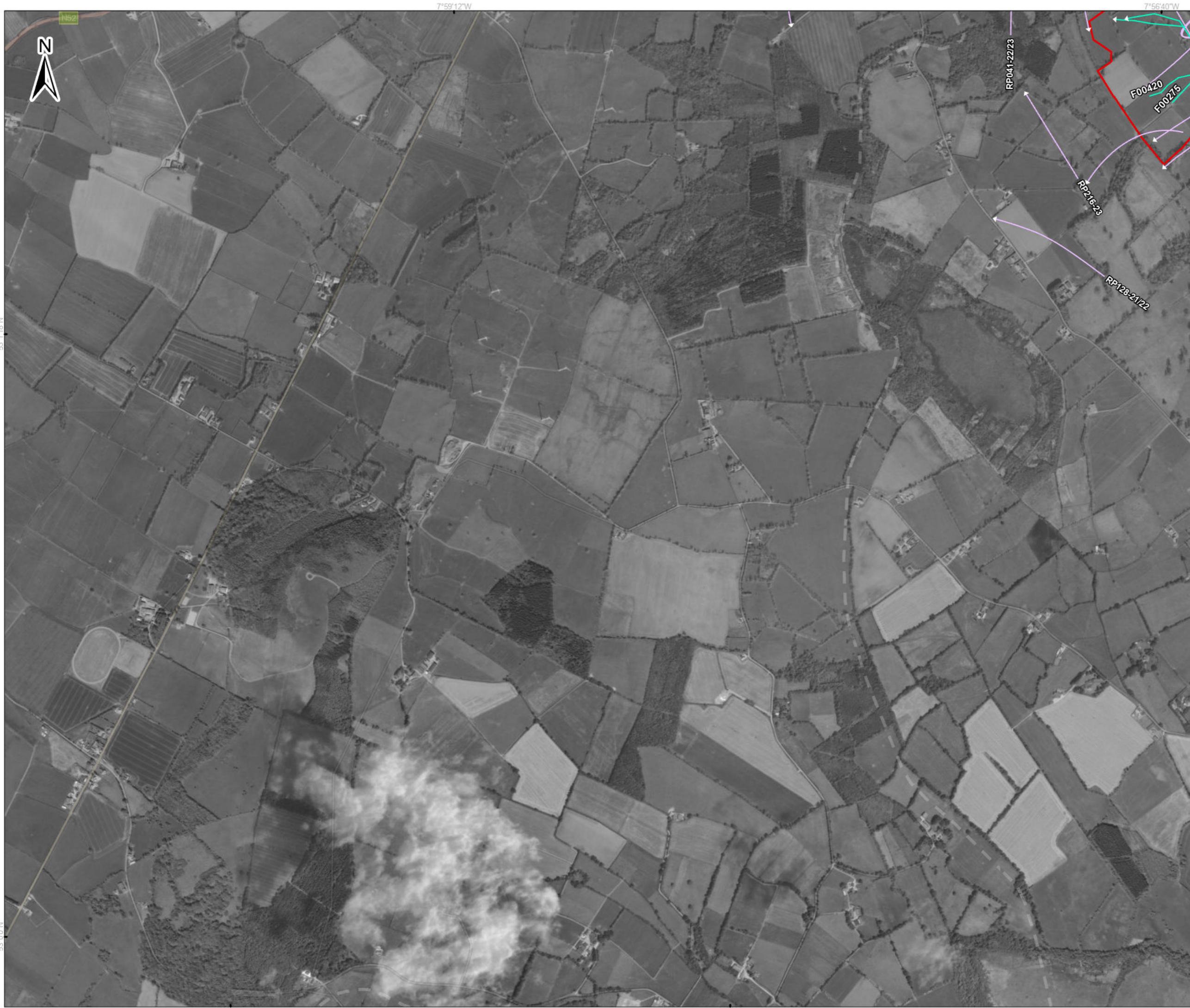
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Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

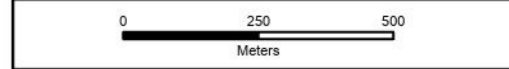
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Map Ref: 11333-018.ApX-VP-SH-SUM-A Draft: **A**



- Legend**
- Proposed wind farm boundary
 - Non-flight - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Sparrowhawk
 - Sparrowhawk
 - Flightlines - Ecology Ireland 2020 - 2024
 - Sparrowhawk



Spatial Reference
 Datum: IREN95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix A-I, Figure 72:
 Sparrowhawk observations
 over the survey period
 (May 2020 – Sept 2024)
 - Sheet 3 of 4 -**

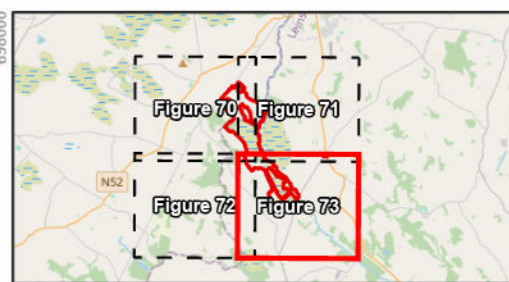
Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

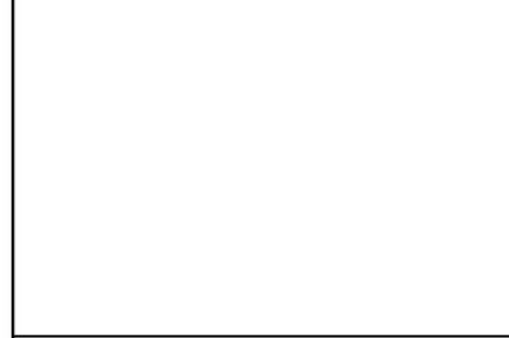
TOBIN

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 www.tobin.ie

Map Ref: 11333-018.ApX-VP-SH-SUM-A Draft: **A**



- Legend**
- Proposed wind farm boundary
 - Non-flight - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Sparrowhawk
 - Sparrowhawk



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix A-I, Figure 73:
 Sparrowhawk observations
 over the survey period
 (May 2020 – Sept 2024)
 - Sheet 4 of 4 -**

Scale @ A3: 1:14,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-018.ApX-VP-SH-SUM-A Draft: **A**

Appendix 7-1 - XX TEAL



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT53-21/22	Wintering	VP2	02/12/2021	09:59:00	1	18	1m	18	0
WT166-23/24	Wintering	VPA	20/12/2023	08:40:00	300	21600	2.5m	21600	0
WT189-23/24	Wintering	VP4	11/01/2024	10:10:00	6	30	62.5m	-	-
WT211-23/24	Wintering	VP2	25/01/2024	14:00:00	20	120	-	0	120
WT253-23/24	Wintering	VPB	29/01/2024	13:50:00	50	6	10m	6	0
WT312-23/24	Wintering	VPA	26/02/2024	08:54:00	31	21600	2.5m	21600	0
WT382-23/24	Wintering	VPA	27/03/2024	09:05:00	4	20	2.5m	20	0
WT393-23/24	Wintering	VPA	27/03/2024	12:10:00	20	30	2.5m	0	30

Ecology Ireland Transect Survey												
Season	T1 (visit 1)	T1 (visit 2)	T2 (visit 1)	T2 (visit 2)	T3 (visit 1)	T3 (visit 2)	T4 (visit 1)	T4 (visit 2)	T5 (visit 1)	T5 (visit 2)	T6 (visit 1)	T6 (visit 2)
2023/2024					2						2	

TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00549	Winter	Transect	T2, T5, T6	22/01/2026	12:55:00	33	FW2	in flight



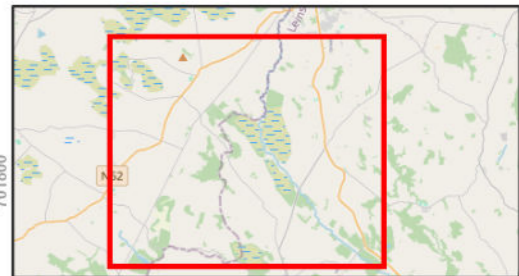
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00560	Winter	Transect	T2, T5, T6	22/01/2026	13:19:00	6	FW2	in flight
P00645	Winter	Transect	T1, T3, T4	11/02/2026	12:30:00	11	FW2	N/A
P00654	Winter	Transect	T1, T3, T4	11/02/2026	12:49:00	42	FW2	N/A
P00800	Winter	Transect	T6	13/03/2026	15:08:00	17	FW2	Foraging

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Site 2	15/10/2025	N/A	30	N/A	N/A
Winter	I-WeBS	Little Brosna Callows SPA	26/11/2025	N/A	94	N/A	N/A
Winter	I-WeBS	Ashton Callows	26/11/2025	N/A	187	N/A	N/A
Winter	I-WeBS	Clonfree 1	26/11/2025	N/A	37	N/A	N/A
Winter	I-WeBS	Dovegrove Callows	01/12/2025	N/A	101	N/A	N/A
Winter	I-WeBS	Little Brosna Callow Hut	01/12/2025	N/A	752	N/A	N/A
Winter	I-WeBS	Ashton Callow Hut	01/12/2025	N/A	95	N/A	N/A
Winter	I-WeBS	Little Brosna Callow Hut	16/01/2026	N/A	101	N/A	N/A
Winter	I-WeBS	Ashton Callow Hut	16/01/2026	N/A	202	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	09/02/2026	N/A	26	N/A	N/A
Winter	I-WeBS	Ashton callow hut	09/02/2026	N/A	92	N/A	N/A
Winter	I-WeBS	Dovegrove Callows	12/03/2026	N/A	29	N/A	N/A
Winter	I-WeBS	Little Brosna Callow hut	12/03/2026	N/A	59	N/A	N/A

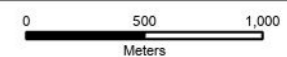


TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Ashton Callow hut	12/03/2026	N/A	74	N/A	N/A





- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Point Data - TOBIN 2025/26
 - Flightlines - Ecology Ireland 2020 - 2024
 - Teal



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 74:
 Teal observations
 over the survey period
 (May 2020 – March 2026)**

Scale @ A3: 1:32,000

Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-019.ApX-VP-T-SUM-A Draft: **A**

Appendix 7-1 - XXI WHOOPER SWAN



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT21-20/21	Wintering	VP, 4	08/10/2020	10:32:00	1	90	100m	30	60
WT101-20/21	Wintering	VP, 5	14/01/2021	12:59:00	4	75	100m	0	75
WT102-20/21	Wintering	VP, 5	14/01/2021	12:59:00	47	Unknown	0m	0	Unknown
WT116-20/21	Wintering	VP, 5	09/02/2021	09:30:00	6	21600	0m	0	21600
WT32-21/22	Wintering	VP5	23/11/2021	14:46:00	7	60	0m	60	0
WT34-21/22	Wintering	VP5	23/11/2021	14:49:00	2	10	0m	10	0
WT39-21/22	Wintering	VP5	02/12/2021	09:00:00	49	21600	0m	0	21600
WT50-21/22	Wintering	VP3	02/12/2021	09:45:00	Unknown	0	0m	0	0
WT70-21/22	Wintering	VP4	06/12/2021	08:36:00	10	3	20m	0	3
WT71-21/22	Wintering	VP5	06/12/2021	09:05:00	55	21300	0m	0	21300
WT79-21/22	Wintering	VP3	07/12/2021	10:52:00	1	120	25m	0	120
WT82-21/22	Wintering	VP3	07/12/2021	12:30:00	38	9600	0m	9600	0
WT91-21/22	Wintering	VP1	10/12/2021	11:58:00	2	120	35m	0	120
WT152-21/22	Wintering	VP3	10/02/2022	11:13:00	11	7200	0m	0	7200
WT161-21/22	Wintering	VP5	11/02/2022	09:05:00	15	0	0m	0	0
WT171-21/22	Wintering	VP5	11/02/2022	12:58:00	6	60	0m	60	0
WT173-21/22	Wintering	VP5	11/02/2022	13:05:00	9	50	0m	50	0
WT5-22/23	Wintering	VP5, VP1, VP2	28/11/2022	10:59:00	1	366	15m	26	340
WT18-22/23	Wintering	VP3	30/11/2022	09:52:00	4	26	15m	26	0
WT20-22/23	Wintering	VPA, VP3, VP4, VPB	30/11/2022	09:58:00	4	76	15m	0	76
WT25-22/23	Wintering	VPA	30/11/2022	10:11:00	4	32	15m	0	32



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT26-22/23	Wintering	VP3	30/11/2022	10:13:00	4	240	15m	60	180
WT63-22/23	Wintering	VPA	30/11/2022	13:50:00	1	34	15m	0	34
WT132-22/23	Wintering	VP5	21/12/2022	10:17:00	14	0	-	0	0
WT138-22/23	Wintering	VP5	21/12/2022	12:24:00	7	12	7.5m	12	0
WT139-22/23	Wintering	VP5	21/12/2022	12:47:00	7	20	10m	20	0
WT141-22/23	Wintering	VP5	21/12/2022	13:06:00	3	15	10m	15	0
WT142-22/23	Wintering	VP5	21/12/2022	13:11:00	4	35	10m	35	0
WT143-22/23	Wintering	VP5	21/12/2022	13:11:00	3	17	20m	17	0
WT291-22/23	Wintering	VP5	25/01/2023	09:23:00	23	45	15m	0	45
WT292-22/23	Wintering	VP5	25/01/2023	09:48:00	3	60	20m	0	60
WT240-22/23	Wintering	VPA, VPB, VP3	27/01/2023	09:42:00	5	55	25m	35	20
WT241-22/23	Wintering	VPA	27/01/2023	09:55:00	19	15600	2.5m	15600	
WT247-22/23	Wintering	VPA, VPB	27/01/2023	11:07:00	6	32	25m	16	16
WT253-22/23	Wintering	VPA	27/01/2023	14:15:00	33	4680	2.5m	4680	
WT255-22/23	Wintering	VPB	27/01/2023	08:53:00	3	126	10m	100	26
WT256-22/23	Wintering	VPB	27/01/2023	09:03:00	6	85	10m	70	15
WT257-22/23	Wintering	VPB, VP3	27/01/2023	09:18:00	13	110	10m	40	70
WT258-22/23	Wintering	VPB, VP3	27/01/2023	09:27:00	6	84	10m	40	44
WT274-22/23	Wintering	VP3	27/01/2023	10:33:00	1	120	25m	100	20
WT192-22/23	Wintering	VPA, VP5, VPB	27/03/2023	09:28:00	6	140	15m	55	85
WT197-22/23	Wintering	VP5, VP2, VP1,	27/03/2023	09:50:00	16	454	90m	80	374



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
		VPA, VPB							
WT2-23/24	Wintering	VP1, VP2, VP3, VP4, VPA, VPB	24/10/2023	12:27:00	3	45	40m	20	25
WT162-23/24	Wintering	VP5, VPB, VPA	20/12/2023	08:59:00	16	117	10m	17	100
WT163-23/24	Wintering	VPA, VPB	20/12/2023	08:31:00	16	21600	2.5m	21600	0
WT175-23/24	Wintering	VPA, VPB	20/12/2023	13:38:00	5	28	62.5m	10	18
WT177-23/24	Wintering	VPA, VPB	20/12/2023	13:57:00	11	41	62.5m	11	30
WT179-23/24	Wintering	VPA	20/12/2023	14:13:00	7	1020	15m	1020	0
WT180-23/24	Wintering	VPA, VPB	20/12/2023	14:27:00	9	180	15m	90	90
WT263-23/24	Wintering	VPA	02/02/2024	10:10:00	4	600	-	600	0
WT352-23/24	Wintering	VP3	21/03/2024	09:45:00	10	200	62.5m	0	200
WT402-23/24	Wintering	VPB	27/03/2024	09:44:00	12	72	62.5m	0	72



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00019	Winter	VP1	28/10/2025	15:04:00	3	0	25	33	0	0	58
F00056	Winter	VP4	21/11/2025	09:25:00	8	0	0	140	60	0	200
F00060	Winter	VP4	21/11/2025	11:01:00	8	0	0	110	0	0	110
F00103	Winter	VP1	27/11/2025	13:13:00	8	0	16	0	0	0	16
F00130	Winter	VP3	28/11/2025	08:49:00	6	0	0	37	0	0	37
F00137	Winter	VP3	28/11/2025	09:49:00	2	0	0	57	0	0	57
F00228	Winter	VP1	02/12/2025	16:36:00	4	0	67	0	0	0	67
F00250	Winter	VP2	03/12/2025	11:46:00	5	0	67	57	0	0	124
F00271	Winter	VP3	04/12/2025	09:43:00	1	0	43	0	0	0	43
F00276	Winter	VP3	04/12/2025	11:48:00	3	22	0	0	0	0	22
F00292	Winter	VP4	12/01/2026	09:20:00	2	0	12	30	0	0	42
F00354	Winter	VP3	23/01/2026	12:09:00	2	0	0	45	0	0	45
F00459	Winter	VP1	24/02/2026	14:41:00	5	0	19	0	0	0	19

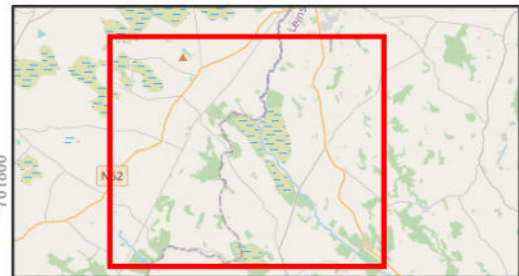
Ecology Ireland Transect Survey																								
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)	
2022/2023	-	-	-	1	-	-	-	3	-	-	-	-	-	2	-	7	-	-	-	-	-	17	-	9
2020/2021	-	-	-	2	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2023/2024	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	10	-	9



TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00206	Winter	HH roost	HHVP2	20/11/2025	16:50:00	2	N/A	in flight

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	All Saints Bog SPA	26/11/2025	N/A	10	N/A	N/A
Winter	I-WeBS	Little Brosna Callows SPA	26/11/2025	N/A	8	N/A	N/A
Winter	I-WeBS	Dovesgrove Callows	01/12/2025	N/A	19	N/A	N/A
Winter	I-WeBS	Little Brosna Callow Hut	01/12/2025	N/A	2	N/A	N/A
Winter	I-WeBS	Ashton Callow Hut	01/12/2025	N/A	2	N/A	N/A
Winter	I-WeBS	Ashton Callow Hut	16/01/2026	N/A	15	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	09/02/2026	N/A	7	N/A	N/A





- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - ▭ Point Data - TOBIN 2025/26
 - Flightlines - Ecology Ireland 2020 - 2024
 - Whooper Swan



Spatial Reference Datum: IREN95 EPSG: 2157	Copyrights: Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community.
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Rev	Date	Description	By	Chkd.
A	02/04/2026	First issue	K.K	J.S

Client:

Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 75:
Whooper Swan observations
over the survey period
(May 2020 – March 2026)**

Scale @ A3: 1:32,000
Prepared by: K.Kale Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-020.ApX-VP-WS-SUM-A Draft: **A**

Appendix 7-1 - XXII WIGEON



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT79-23/24	Wintering	VP 4	30/11/2022	12:40:00	35	90	100m	30	60
WT217-23/24	Wintering	VP3	25/01/2024	10:08	50	180	62.5m	80	100
WT254-23/24	Wintering	VPB	29/01/2024	13:50	4	6	10m	6	0
WT050-22/23	Wintering	VPA	30/11/2022	12:40:00	35	7200	2.5m	7200	0
WT165-23/24	Wintering	VPA	20/12/2023	08:40	100	21600	2.5m	21600	0
WT311-23/24	Wintering	VPA, VPB	26/02/2024	08:54	125	21600	2.5m	21600	0
WT315-23/24	Wintering	VPA	26/02/2024	14:18	90	2160	15m	2160	0
WT388-23/24	Wintering	VPA	27/03/2024	10:20	40	14000	2.5m	0	14000

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00086	Winter	VP1	27/11/2025	09:37:00	207	6	76	50	0	0	132
F00107	Winter	VP2	25/11/2025	11:45:00	154	0	10	59	0	0	69
F00110	Winter	VP2	25/11/2025	12:38:00	8	0	22	0	0	0	22
F00214	Winter	VP1	02/12/2025	14:35:00	101	9	29	101	0	0	139
F00218	Winter	VP1	02/12/2025	15:05:00	121	11	89	43	0	0	143
F00239	Winter	VP2	03/12/2025	09:48:00	4	12	0	0	0	0	12
F00243	Winter	VP2	03/12/2025	10:01:00	33	0	21	19	0	0	40
F00272	Winter	VP3	04/12/2025	09:44:00	41	0	5	46	0	0	51



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00306	Winter	VP1	27/01/2026	08:36:00	6	36	0	0	0	0	36
F00308	Winter	VP1	27/01/2026	08:42:00	9	17	0	0	0	0	17
F00323	Winter	VP1	27/01/2026	11:40:00	54	8	23	0	0	0	31
F00356	Winter	VP3	23/01/2026	12:22:00	32	34	61	0	0	0	95
F00511	Winter	VP2	17/02/2026	08:40:00	8	0	14	0	0	0	14
F00518	Winter	VP2	17/02/2026	09:02:00	82	0	34	49	0	0	83

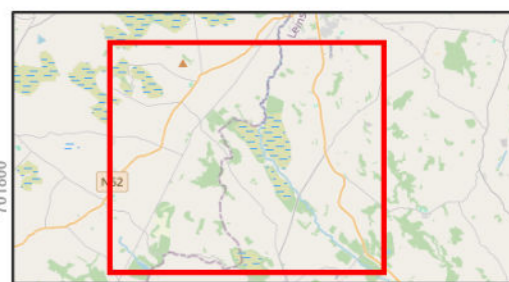
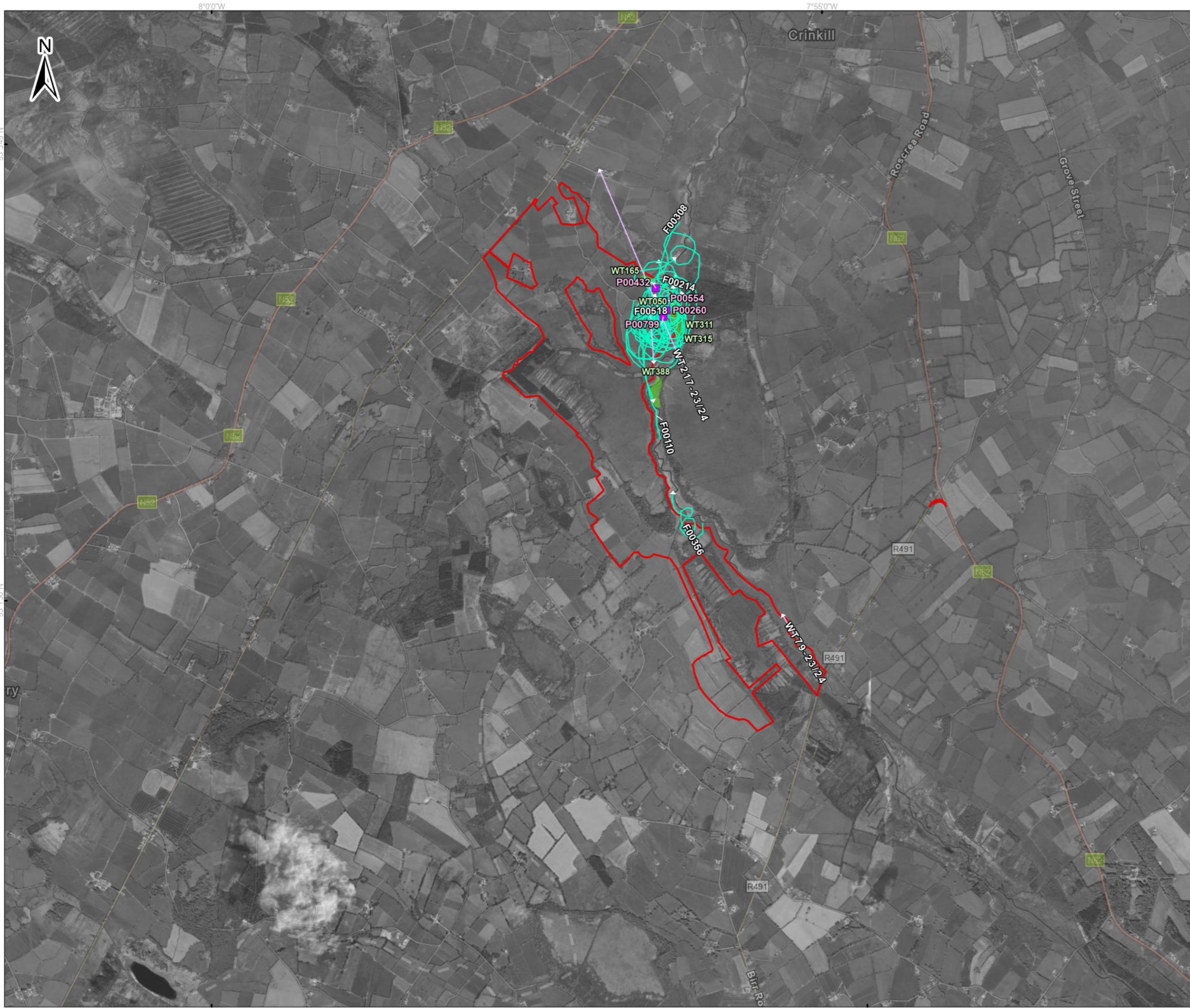
TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00260	Winter	Transect	T2,5,6	24/11/2025	12:19:00	217	FW2	on water
P00432	Winter	Transect	T2, T5, T6	05/12/2025	10:37:00	72	FW2	on water
P00554	Winter	Transect	T2, T5, T6	22/01/2026	13:06:00	23	FW2	on water
P00799	Winter	Transect	T6	13/03/2026	15:06:00	27	FW2	Foraging

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Little Brosna Callows SPA	26/11/2025	N/A	563	N/A	N/A
Winter	I-WeBS	Ashton Callows	26/11/2025	N/A	623	N/A	N/A
Winter	I-WeBS	Clonfree 1	26/11/2025	N/A	195	N/A	N/A



TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Dovegrove Callows	01/12/2025	N/A	82	N/A	N/A
Winter	I-WeBS	Little Brosna Callow Hut	01/12/2025	N/A	845	N/A	N/A
Winter	I-WeBS	Ashton Callow Hut	01/12/2025	N/A	131	N/A	N/A
Winter	I-WeBS	Clonfree 1 (callow)	01/12/2025	N/A	81	N/A	N/A
Winter	I-WeBS	Little Brosna Callow Hut	16/01/2026	N/A	612	N/A	N/A
Winter	I-WeBS	Ashton Callow Hut	16/01/2026	N/A	1232	N/A	N/A
Winter	I-WeBS	Little Brosna callow hut	09/02/2026	N/A	731	N/A	N/A
Winter	I-WeBS	Ashton callow hut	09/02/2026	N/A	367	N/A	N/A
Winter	I-WeBS	Dovegrove Callows	12/03/2026	N/A	17	N/A	N/A
Winter	I-WeBS	Little Brosna Callow hut	12/03/2026	N/A	26	N/A	N/A
Winter	I-WeBS	Ashton Callow hut	12/03/2026	N/A	321	N/A	N/A





- Legend**
- ▭ Proposed wind farm boundary
 - ▭ High activity area - Ecology Ireland 2020 - 2024
 - ▭ Point Data - TOBIN 2025/26
 - Flightlines - TOBIN 2025/26
 - Wigeon
 - Flightlines - Ecology Ireland 2020 - 2024
 - Wigeon

0		500		1,000	
Meters					
Spatial Reference			Copyrights:		
Datum: IRENET95			Sources: Esri, TomTom, Garmin, FAO,		
EPSG: 2157			NOAA, USGS, © OpenStreetMap		
			contributors, and the GIS User Community,		
A	02/04/2026	First issue	K.K	J.S	
Rev	Date	Description	By	Chkd.	

Client:					
Project:					
Ballincor Wind Farm					
Title:					
Appendix 7-I, Figure 76: Wigeon observations over the survey period (May 2020 – March 2026)					
Scale @ A3:					
1:32,000					
Prepared by:		Checked by:		Date:	
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Map Ref:	Draft:
11333-021.ApX-VP-WN-SUM-A	A

Appendix 7-1 - XXIII RARELY RECORDED TARGET SPECIES.



Common Gull



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT120-20/21	Wintering	VP, 4	09/02/2021	12:16:00	2	325	30m	0	325
WT155-21/22	Wintering	VP4	10/02/2022	12:37:00	2	40	25m	40	0
WT106-22/23	Wintering	VP4	20/12/2022	12:55:00	4	171	15m	0	171
WT108-22/23	Wintering	VP4	20/12/2022	13:07:00	1	55	15m	0	55
WT115-22/23	Wintering	VP4	20/12/2022	14:26:00	1	47	15m	7	40
WT214-22/23	Wintering	VPA	27/03/2023	10:57:00	1	22	15m	9	13
WT4-23	Breeding	VPB	01/05/2023	14:39:00	1	26	15m	0	26
WT2-24	Breeding	VPB	28/05/2024	10:16:00	6	300	10m	300	0

Ecology Ireland Transect Survey																								
Season	T1 (visit 1)		T1 (visit 2)		T2 (visit 1)		T2 (visit 2)		T3 (visit 1)		T3 (visit 2)		T4 (visit 1)		T4 (visit 2)		T5 (visit 1)		T5 (visit 2)		T6 (visit 1)		T6 (visit 2)	
2022/2023	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
2023/2024	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-



Coot



TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Site 15	15/10/2025	N/A	2	N/A	N/A
Winter	I-WeBS	Glasderry Wood	26/11/2025	N/A	3	N/A	N/A
Winter	I-WeBS	Glasderry Wood	01/12/2025	N/A	2	N/A	N/A
Winter	I-WeBS	Glasderry Wood	09/02/2026	N/A	3	N/A	N/A
Winter	I-WeBS	Glasderry Wood	12/03/2026	N/A	5	N/A	N/A



Curlew



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
N/A	Wintering	VP, 2	08/03/2021	13:41:00	1	0	Unknown	0	0
WD1-23	Breeding	VPA, VP3, VP4	27/06/2023	11:15:00	1	268	80m	200	68



Greater Black-backed Gull



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT82-24	Breeding	VP5	24/07/2024	10:39:00	1	60	7.5m	0	60



Green Sandpiper



TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Site 12	15/10/2025	N/A	1	N/A	N/A



Greenland White-fronted Goose



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT21-22/23	Wintering	VPA, VP3, VPB	30/11/2022	09:58:00	1	76	15m	0	76
WT67-22/23	Wintering	VP1	30/11/2022	14:02:00	1	38	50m	16	22

TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00134	Winter	I-WeBS	Site 3	15/10/2025	N/A	22	N/A	N/A

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Little Brosna Callows SPA	26/11/2025	N/A	107	N/A	N/A
Winter	I-WeBS	Little Brosna Callow Hut	16/01/2026	N/A	43	N/A	N/A
Winter	I-WeBS	Little Brosna callow hut	09/02/2026	N/A	52	N/A	N/A
Winter	Transect	T6	13/03/2026	14:59:00	2	GA1	Foraging



Herring Gull



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT97-23	Breeding	VP4, VPB	28/08/2023	10:40:00	1	20	30m	12	8
WT17-24	Breeding	VPA	28/05/2024	15:02:00	12	45	5m	0	45
WT7-24	Breeding	VPA, VPB	28/05/2024	11:42:00	2	40	20m	30	10



Jack Snipe



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WD6-23/24	Wintering	VP2	24/10/2023	13:25:00	1	10	2.5m	10	0
WD30-23/24	Wintering	VP3	20/12/2023	09:37:00	1	7	2m	7	0
WD40-23/24	Wintering	VP2	25/01/2024	10:35:00	9	600 (not a flightline)	-	600 (not a flightline)	0

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Ashton Callow hut	12/03/2026	N/A	1	N/A	N/A



Kingfisher



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
N/A	Wintering	VP, 1	08/10/2020	13:02:00	1	20	2m	20	0
N/A	Wintering	VP, 1	05/11/2020	09:12:00	1	4	1m	4	0

TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00814	Winter	Incidental	VP5	09/02/2026	11:35:00	1	FW4	in-flight

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Little Brosna Callows SPA	26/11/2025	N/A	1	N/A	N/A



Little Grebe



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
Little Grebe	WT52-22/23	Wintering	VPA	30/11/2022	12:42:00	2	7200	2.5m	Little Grebe
Little Grebe	WT132-23	Breeding	VPA	26/09/2023	09:10:00	5	1000	0m	Little Grebe



Redshank



TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Little Brosna Callows SPA	26/11/2025	N/A	3	N/A	N/A



Shoveler



Ecology Ireland Vantage Point (Flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Duration of observation (s)	Initial flight height	Duration within Application Site	Off-site
WT313-23/24	Wintering	VPA, VPB	26/02/2024	08:54:00	3	21600	2.5m	21600	0

TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00241	Winter	VP2	03/12/2025	09:57:00	1	0	10	0	0	0	10

TOBIN Transects, Hen Harrier VP, and Incidental (Point)									
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity	
P00798	Winter	Transect	T6	13/03/2026	15:05:00	7	FW2	Foraging	



TOBIN I-WeBS (Point)						
Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Little Brosna Callows SPA	26/11/2025	N/A	27	N/A
Winter	I-WeBS	Ashton Callows	26/11/2025	N/A	102	N/A
Winter	I-WeBS	Dovegrove Callows	01/12/2025	N/A	3	N/A
Winter	I-WeBS	Little Brosna Callow Hut	01/12/2025	N/A	43	N/A
Winter	I-WeBS	Ashton Callow Hut	01/12/2025	N/A	72	N/A
Winter	I-WeBS	Ashton Callow Hut	16/01/2026	N/A	623	N/A
Winter	I-WeBS	Little Brosna callow hut	09/02/2026	N/A	54	N/A
Winter	I-WeBS	Ashton callow hut	09/02/2026	N/A	41	N/A
Winter	I-WeBS	Little Brosna Callow hut	12/03/2026	N/A	34	N/A
Winter	I-WeBS	Ashton Callow hut	12/03/2026	N/A	33	N/A



Tufted Duck



TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Ashton Callow Hut	16/01/2026	N/A	10	N/A	N/A
Winter	I-WeBS	Ashton callow hut	09/02/2026	N/A	7	N/A	N/A



White-tailed Eagle



TOBIN Vantage Point (Flight)											
Map Ref.	Season	VP	Date	Time	Abundance	Duration within Band 1 (s)	Duration within Band 2 (s)	Duration within Band 3 (s)	Duration within Band 4 (s)	Duration within Band 5 (s)	Total Duration (s)
F00068	Winter	VP5	19/11/2025	10:44:00	1	0	0	118	0	0	118

TOBIN I-WeBS (Point)							
Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
Winter	I-WeBS	Little Brosna Callows SPA	26/11/2025	N/A	2	N/A	N/A

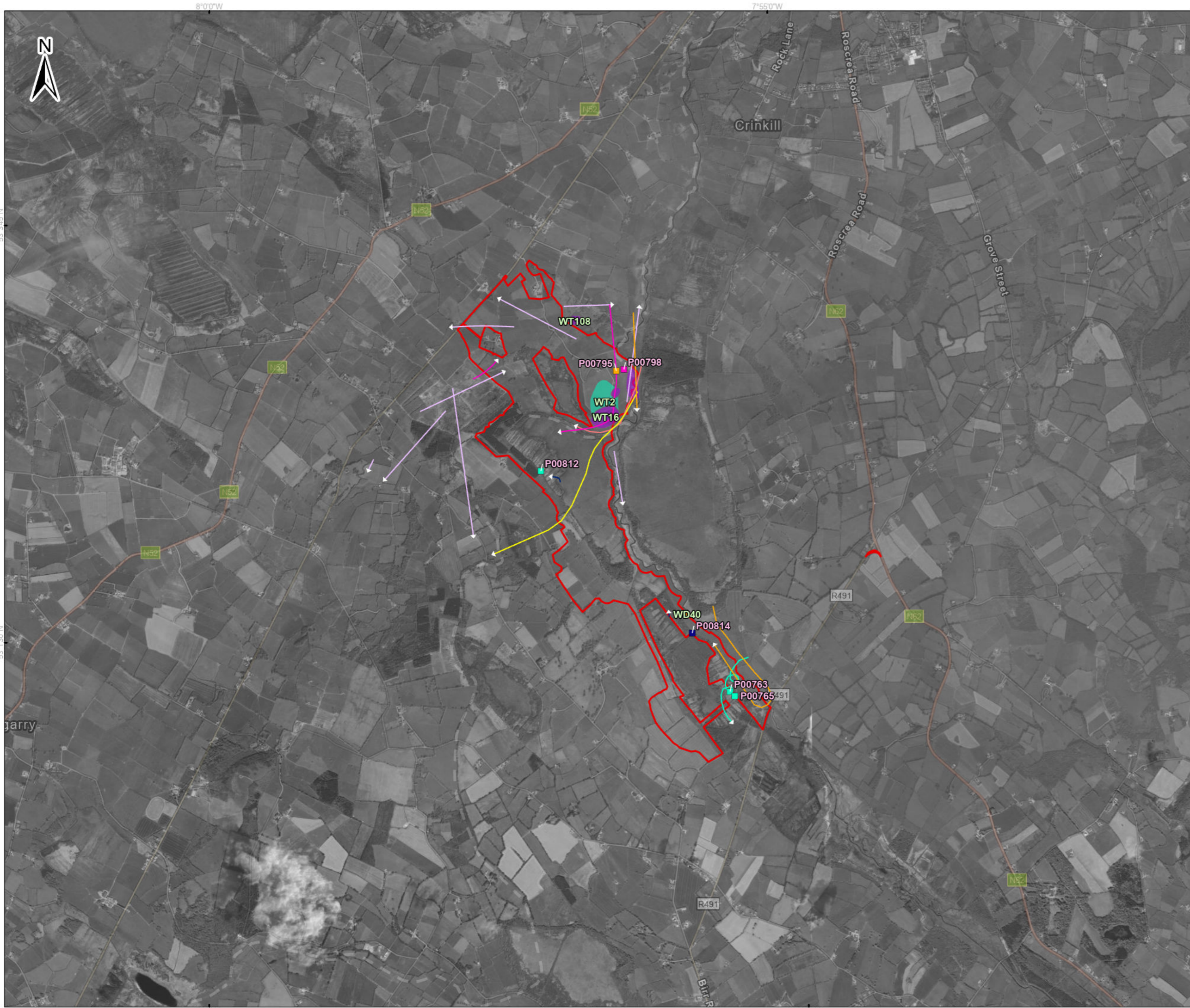


Woodcock

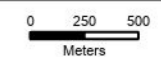


TOBIN Transects, Hen Harrier VP, and Incidental (Point)								
Map Ref.	Season	Survey Type	Location	Date	Time	Abundance	Habitat Code	Activity
P00763	Winter	HH roost	HHVP2	09/03/2026	N/A	1	PB4	N/A
P00765	Winter	HH roost	HHVP2	09/03/2026	N/A	2	PB4	N/A
P00812	Winter	HH roost	HHVP1	13/03/2026	19:18:00	4	WD1	Roding





- Legend**
- Proposed wind farm boundary
 - High activity area - Ecology Ireland 2020 - 2024
 - Common Gull
 - Herring Gull
 - Jack Snipe
 - Lesser Black-backed Gull
- Point Data - TOBIN 2025/26**
- Kingfisher
 - Shoveler
 - White-fronted Goose
 - Woodcock
- Flightlines - TOBIN 2025/26**
- Shoveler
 - White-tailed Eagle
- Flightlines - Ecology Ireland 2020 - 2024**
- Common Gull
 - Curlew
 - Herring Gull
 - Jack Snipe
 - White-fronted Goose



Spatial Reference
 Datum: IRENET95
 EPSG: 2157

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Project: **Ballincor Wind Farm**

Title: **Appendix 7-I, Figure 77:
 Bird observations
 over the survey period
 (May 2020 – March 2026)**

Scale @ A3: 1:35,000

Prepared by: S.Pezzetta Checked by: J.Sherry Date: April 2026

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Map Ref: 11333-027-ApX-VP..2026-SUM-A Draft: **A**

