Appendix 8-3- Field Study Survey Effort: All Seasons (8.3a- 8.3ddd)

Vantage Point Survey Effort

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-21	06/05/2021	VP1	1	12:33	15:33	NNW	F2	Dry	7	V.g	N/A	N/A
Breeding-21	06/05/2021	VP1	2	16:04	19:04	NNW	F2	Dry	7	V.g	N/A	N/A
Breeding-21	29/04/2021	VP2	1	09:38	12:38	E	F1	Dry	5	V.g	N/A	N/A
Breeding-21	29/04/2021	VP2	2	13:32	16:32	E	F1	Dry	6	V.g	N/A	N/A
Breeding-21	04/05/2021	VP3	1	07:26	10:26	WNW	F2-3	H. Showers	5	g	N/A	N/A
Breeding-21	04/05/2021	VP3	2	15:15	18:15	WNW	F2	H. Showers	4	g	N/A	N/A
Breeding-21	05/05/2021	VP4	1	08:15	11:15	SSE	F2	L. Showers	4	V.g	N/A	N/A
Breeding-21	05/05/2021	VP4	2	12:47	15:47	SSE	F2	L. Showers	4	V.g	N/A	N/A
Breeding-21	06/05/2021	VP5	1	08:25	11:25	WNW/NW	F2	Dry	7	V.g	N/A	N/A
Breeding-21	05/05/2021	VP5	2	16:35	19:35	NW	F1	Dry	7	V.g	N/A	N/A
Breeding-21	07/05/2021	VP6	1	09:42	12:42	SE	F1	Dry	5	V.g	N/A	N/A
Breeding-21	07/05/2021	VP6	2	13:16	16:16	SE	F1	Dry	6	V.g	N/A	N/A
Breeding-21	11/05/2021	VP7	1	07:09	10:09	S	F2	Dry	5	V.g	N/A	N/A
Breeding-21	07/05/2021	VP7	2	16:50	19:50	SSE	F1	Dry	5	V.g	N/A	N/A
Breeding-21	11/05/2021	VP8	1	17:02	20:02	SSE	F1	Dry	7	V.g	N/A	N/A
Breeding-21	19/05/2021	VP8	2	10:30	13:30	WNW	F3	Dry	6	V.g	N/A	N/A
Breeding-21	22/05/2021	VP9	1	10:31	13:31	NW	F2	H. Showers	5	g	N/A	N/A
Breeding-21	21/05/2021	VP9	2	09:15	12:15	NW	F2	Dry	8	V.g	N/A	N/A
Breeding-21	27/05/2021	VP10	1	11:03	14:03	SE	F1	Drizzle	8	g - poor	N/A	N/A
Breeding-21	22/05/2021	VP10	2	14:05	17:05	W	F2	Dry	5	g	N/A	N/A
Breeding-21	28/05/2021	VP11	1	12:45	15:45	SSW	F1	L. Showers	8	V.g	N/A	N/A
Breeding-21	28/05/2021	VP11	2	16:22	19:22	SSW	F1	L. Showers	8	g	N/A	N/A
Breeding-21	01/06/2021	VP1	1	09:16	12:16	NNE	F2	Dry	7	V.g	N/A	N/A
Breeding-21	01/06/2021	VP1	2	12:57	15:57	ENE	F1	Dry	8	V.g	N/A	N/A

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-21	31/05/2021	VP2	1	08:45	11:45	SSE	F3	Dry	4	V.g	N/A	N/A
Breeding-21	31/05/2021	VP2	2	17:31	20:31	SSE	F3	Dry	4	V.g	N/A	N/A
Breeding-21	01/06/2021	VP3	1	17:05	20:05	NW	F1	Dry	4	G (Hazy)	N/A	N/A
Breeding-21	02/06/2021	VP3	2	13:07	16:07	NE	F2	H. Showers	6	V.g	N/A	N/A
Breeding-21	10/06/2021	VP4	1	13:09	16:09	SW	F4	Dry	7	V.g	N/A	N/A
Breeding-21	10/06/2021	VP4	2	17:02	20:02	SW	F4	Dry	7	V.g	N/A	N/A
Breeding-21	16/06/2021	VP5	1	13:32	16:32	SW	F3	Dry	6	V.g	N/A	N/A
Breeding-21	16/06/2021	VP5	2	17:06	20:06	SW	F3	Dry	3	V.g	N/A	N/A
Breeding-21	17/06/2021	VP6	1	10:45	13:45	NW	F3	Dry	6	G (Hazy)	N/A	N/A
Breeding-21	17/06/2021	VP6	2	14:30	17:30	NW	F3	L. Showers	7	V.g	N/A	N/A
Breeding-21	18/06/2021	VP7	1	13:04	16:04	N	F1-2	Dry	7	G (Hazy)	N/A	N/A
Breeding-21	18/06/2021	VP7	2	09:05	12:05	N	F1-2	Dry	7	G (Hazy)	N/A	N/A
Breeding-21	23/06/2021	VP8	1	10:05	13:05	WNW	F2	Dry	8	V.g	N/A	N/A
Breeding-21	23/06/2021	VP8	2	14:10	17:10	WNW	F2	Dry	8	V.g	N/A	N/A
Breeding-21	23/06/2021	VP9	1	18:10	21:10	WNW	F2	Dry	7	V.g	N/A	N/A
Breeding-21	24/06/2021	VP9	2	10:15	13:15	SW	F3	L. Showers	8	G	N/A	N/A
Breeding-21	24/06/2021	VP10	1	14:00	17:00	W	F3	H. Showers	8	Poor	N/A	N/A
Breeding-21	24/06/2021	VP10	2	17:35	20:35	W	F3	Constant Light Rain	8	Poor	N/A	N/A
Breeding-21	25/06/2021	VP11	1	11:00	14:00	N	F4	Dry	7	V.g	N/A	N/A
Breeding-21	25/06/2021	VP11	2	14:40	17:40	N	F4	Dry	8	V.g	N/A	N/A
Breeding-21	06/07/2021	VP1	1	09:05	12:05	W	F2	Light Showers	8	Good	N/A	N/A
Breeding-21	06/07/2021	VP1	2	13:00	16:00	NW	F3	Showers	8	Good	N/A	N/A
Breeding-21	07/07/2021	VP2	1	11:02	14:02	WNW	F2-3	Light Showers	8	v.good	N/A	N/A
Breeding-21	07/07/2021	VP2	2	14:45	17:45	WNW	F3	Dry	8	v.good	N/A	N/A

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-21	06/07/2021	VP3	1	08:40	11:40	W	F2	V. Light Showers	7	v.good	N/A	N/A
Breeding-21	05/07/2021	VP3	2	16:05	19:05	W	F2	V. Light Showers	8	v.good	N/A	N/A
Breeding-21	07/07/2021	VP4	1	18:30	21:30	WNW	F3	Dry	7	v.good	N/A	N/A
Breeding-21	09/07/2021	VP4	2	14:50	17:50	S	F2	Dry	7	v.good	N/A	N/A
Breeding-21	06/07/2021	VP5	1	16:55	19:55	WNW	F3	Light Showers	8	Good-poor	N/A	N/A
Breeding-21	09/07/2021	VP5	2	18:30	21:30	S	F2	Dry	7	V.good	N/A	N/A
Breeding-21	08/07/2021	VP6	1	11:10	14:10	WSW	F2	Dry	8	V.good	N/A	N/A
Breeding-21	08/07/2021	VP6	2	15:05	18:05	WSW	F2	Dry	8	V.good	N/A	N/A
Breeding-21	08/07/2021	VP7	1	18:45	21:45	WSW	F1-2	Dry	8	V.good	N/A	N/A
Breeding-21	09/07/2021	VP7	2	11:15	14:15	S	F2	Dry	8	V.good	N/A	N/A
Breeding-21	13/07/2021	VP8	1	07:35	10:35	WNW	F1	Dry	5	V.good	N/A	N/A
Breeding-21	13/07/2021	VP8	2	15:00	18:00	WNW	F1	Dry	6	V.good	N/A	N/A
Breeding-21	14/07/2021	VP9	1	07:50	10:50	W	F1	Dry	4	V.good	N/A	N/A
Breeding-21	15/07/2021	VP9	2	08:10	11:10	NW	F1	Dry	2	V.good	N/A	N/A
Breeding-21	15/07/2021	VP10	1	16:10	19:10	WNW	F1	Dry	5	V.good	N/A	N/A
Breeding-21	15/07/2021	VP10	2	12:05	15:05	WNW	F1	Dry	3	V.good	N/A	N/A
Breeding-21	16/07/2021	VP11	1	08:30	11:30	W	F1	Dry	3	V.good	N/A	N/A
Breeding-21	16/07/2021	VP11	2	12:30	15:30	W	F1	Dry	2	V.good	N/A	N/A
Breeding-21	29/07/2021	VP1	1	10:10	13:10	W	F3	Dry	8	V.good	N/A	N/A
Breeding-21	29/07/2021	VP1	2	14:00	17:00	W	F2-3	Dry	8	V.good	N/A	N/A
Breeding-21	28/07/2021	VP2	1	09:17	12:17	W	F3	Dry	7	V.good	N/A	N/A
Breeding-21	28/07/2021	VP2	2	13:05	16:05	W	F3	Light Showers	8	V.good	N/A	N/A
Breeding-21	28/07/2021	VP3	1	17:00	20:00	WNW	F3-4	Light Showers	8	good	N/A	N/A
Breeding-21	29/07/2021	VP3	2	17:40	20:40	NW	F1-2	Dry	8	V.good	N/A	N/A

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-21	30/07/2021	VP4	1	10:45	13:45	WNW	F2	Heavy Showers	8	Good-poor	N/A	N/A
Breeding-21	30/07/2021	VP4	2	14:30	17:30	WNW	F2-3	Showers	8	Good	N/A	N/A
Breeding-21	27/07/2021	VP5	1	09:05	12:05	WNW	F1-2	Light Showers	6-8	Good	N/A	N/A
Breeding-21	27/07/2021	VP5	2	16:00	19:00	WNW	F1-2	Heavy Showers	7	Good	N/A	N/A
Breeding-21	04/08/2021	VP6	1	10:00	13:00	S	F2-3	Heavy Showers	7-8	Good-poor	N/A	N/A
Breeding-21	04/08/2021	VP6	2	13:50	16:50	S	F2-3	Showers	8	Good	N/A	N/A
Breeding-21	02/08/2021	VP7	1	09:35	12:35	SSW	F1-2	Showers	7	V.good	N/A	N/A
Breeding-21	02/08/2021	VP7	2	15:05	18:05	SSW	F1-2	Dry	6	V.good	N/A	N/A
Breeding-21	03/08/2021	VP8	1	17:30	20:30	S	F1-2	Dry	5	V.good	N/A	N/A
Breeding-21	04/08/2021	VP8	2	17:30	20:30	S/SE	F1	Heavy Showers	8	Good-poor	N/A	N/A
Breeding-21	03/08/2021	VP9	1	09:45	12:45	SSW	F1	Dry	8	V.good	N/A	N/A
Breeding-21	03/08/2021	VP9	2	13:45	16:45	S	F2	Dry	6	Good(hazy)	N/A	N/A
Breeding-21	05/08/2021	VP10	1	11:06	14:06	S	F2-3	Heavy Showers	8	Poor	N/A	N/A
Breeding-21	11/08/2021	VP10	2	09:15	12:15	W	F3	Showers	8	Good-v.good	N/A	N/A
Breeding-21	11/08/2021	VP11	1	12:55	15:55	WSW	F3-4	Dry	6	V.good	N/A	N/A
Breeding-21	11/08/2021	VP11	2	16:40	19:40	SW	F3	Dry	2	V.good	N/A	N/A
Breeding-21	18/08/2021	VP1	1	08:56	11:56	W	F3	Dry	8	V.good	N/A	N/A
Breeding-21	18/08/2021	VP1	2	12:42	15:42	W	F2	Dry	8	V.good	N/A	N/A
Breeding-21	17/08/2021	VP2	1	08:50	11:50	WNW	F3-4	Dry	8	V.good	N/A	N/A
Breeding-21	17/08/2021	VP2	2	12:30	15:30	WNW	F3-4	Dry	8	V.good	N/A	N/A
Breeding-21	16/08/2021	VP3	1	08:47	11:47	W	F3	Dry	8	V.good	N/A	N/A
Breeding-21	16/08/2021	VP3	2	12:30	15:30	W	F3	V. Light Showers	8	V.good	N/A	N/A
Breeding-21	13/08/2021	VP4	1	10:31	13:01	SW	F4	Light Showers	6	V.good	N/A	N/A

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-21	13/08/2021	VP4	2	14:05	17:05	SW	F4	V. Light Showers	7	V.good	N/A	N/A
Breeding-21	12/08/2021	VP5	1	10:25	13:25	S	F4	Showers	8	V.good	N/A	N/A
Breeding-21	12/08/2021	VP5	2	14:05	17:05	WSW	F4-5	Light Showers	4	V.good	N/A	N/A
Breeding-21	19/08/2021	VP6	1	09:10	12:10	E	F1	Dry	8	V.good	N/A	N/A
Breeding-21	19/08/2021	VP6	2	12:55	15:55	SW	F1	Dry	7	V.good	N/A	N/A
Breeding-21	12/08/2021	VP7	1	17:45	20:45	SW	F3	Dry	3	V.good	N/A	N/A
Breeding-21	13/08/2021	VP7	2	17:40	20:40	SW	F3	Showers	7	Good	N/A	N/A
Breeding-21	14/08/2021	VP8	1	10:35	13:35	SSE	F1	Showers	8	Good	N/A	N/A
Breeding-21	16/08/2021	VP8	2	16:20	19:20	W	F3	v.light showers	8	Good-poor	N/A	N/A
Breeding-21	17/08/2021	VP9	1	16:20	19:20	W	F3	v.light showers	8	Good	N/A	N/A
Breeding-21	18/08/2021	VP9	2	16:18	19:18	W	F2	Dry	8	V.good	N/A	N/A
Breeding-21	19/08/2021	VP10	1	16:40	19:40	SW	F2	Light Showers	7	V.good	N/A	N/A
Breeding-21	20/08/2021	VP10	2	09:17	12:17	SE	F3	Showers	7	V.good	N/A	N/A
Breeding-21	20/08/2021	VP11	1	12:55	15:55	SE	F2	Heavy Showers	7	Good-poor	N/A	N/A
Breeding-21	20/08/2021	VP11	2	16:33	19:33	S/SE	F2	Heavy Showers	5	Good-poor	N/A	N/A
Breeding-21	06/09/2021	VP1	1	08:25	11:25	S	F1	Dry	6	V.good	N/A	N/A
Breeding-21	06/09/2021	VP1	2	12:00	15:00	S	F1	Dry	5	V.good	N/A	N/A
Breeding-21	12/09/2021	VP2	1	11:55	14:55	NNE	F1	Dry	4	V.good	N/A	N/A
Breeding-21	12/09/2021	VP2	2	15:30	18:30	NNE	F1	Dry	4	V.good	N/A	N/A
Breeding-21	02/09/2021	VP3	1	08:45	11:45	ENE	F3	Dry	4	V.good	N/A	N/A
Breeding-21	02/09/2021	VP3	2	12:24	15:24	ENE	F3	Dry	7	V.good	N/A	N/A
Breeding-21	07/09/2021	VP4	1	12:15	15:15	ESE/E	F1	Dry	7	V.good	N/A	N/A
Breeding-21	07/09/2021	VP4	2	15:55	18:55	E/ENE	F1	Dry	5	V.good	N/A	N/A
Breeding-21	02/09/2021	VP5	1	16:00	19:00	ENE	F1-2	Dry	6	Good	N/A	N/A

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-21	03/09/2021	VP5	2	08:53	11:53	E	F2	Dry	5	Good	N/A	N/A
Breeding-21	09/09/2021	VP6	1	08:35	11:35	SSE	F2	Showers	5	Good	N/A	N/A
Breeding-21	12/09/2021	VP6	2	08:20	11:20	N	F1	Dry	7	V.good	N/A	N/A
Breeding-21	03/09/2021	VP7	1	12:30	15:30	E	F2	Dry	6	Good	N/A	N/A
Breeding-21	03/09/2021	VP7	2	16:05	19:05	E	F2	Dry	5	Good	N/A	N/A
Breeding-21	06/09/2021	VP8	1	16:00	19:00	SSW	F1	Dry	8	V.good	N/A	N/A
Breeding-21	07/09/2021	VP8	2	08:30	11:30	ESE	F1	Dry	8	V.good	N/A	N/A
Breeding-21	13/09/2021	VP9	1	08:30	11:30	NE	F1	Dry	5	V.good	N/A	N/A
Breeding-21	13/09/2021	VP9	2	12:15	15:15	N	F1	Dry	8	V.good	N/A	N/A
Breeding-21	13/09/2021	VP10	1	16:00	19:00	SSE	F1	Light showers	8	V.good	N/A	N/A
Breeding-21	14/09/2021	VP10	2	08:35	11:35	SE	F1	V. Light Showers	7	V.good	N/A	N/A
Breeding-21	14/09/2021	VP11	1	12:15	15:15	SE	F1	V. Light Showers	8	V.good	N/A	N/A
Breeding-21	14/09/2021	VP11	2	15:55	18:55	SE	F1	Dry	4	V.good	N/A	N/A
Breeding-21	24/09/2021	VP1	1	16:05	19:05	WSW	F1	Dry	4	V.good	N/A	N/A
Breeding-21	27/09/2021	VP1	2	08:10	11:10	SSW	F1	Dry	4	V.good	N/A	N/A
Breeding-21	20/09/2021	VP2	1	08:20	11:20	W	F2	Dry	6	V.good	N/A	N/A
Breeding-21	20/09/2021	VP2	2	11:55	14:55	W	F2	Dry	7	V.good	N/A	N/A
Breeding-21	28/09/2021	VP3	1	15:37	18:37	WSW	F1	Dry	7	V.good	N/A	N/A
Breeding-21	29/09/2021	VP3	2	09:00	12:00	W	F1	Dry	6	V.good	N/A	N/A
Breeding-21	23/09/2021	VP4	1	08:50	11:50	WSW	F1	Dry	3	V.good	N/A	N/A
Breeding-21	23/09/2021	VP4	2	12:33	15:33	W	F1	Dry	6	V.good	N/A	N/A
Breeding-21	20/09/2021	VP5	1	15:35	18:35	W	F2	Dry	7	V.good	N/A	N/A
Breeding-21	21/09/2021	VP5	2	16:05	19:05	SW	F2	Light showers	7	Good	N/A	N/A
Breeding-21	28/09/2021	VP6	1	08:20	11:20	SSW	F1	Dry	7	V.good	N/A	N/A

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-21	28/09/2021	VP6	2	12:00	15:00	SSW	F1	Dry	8	V.good	N/A	N/A
Breeding-21	27/09/2021	VP7	1	11:45	14:45	SW	F1-2	Light showers	8	V.good	N/A	N/A
Breeding-21	27/09/2021	VP7	2	15:25	18:25	SW	F1-2	Light showers	7	V.good	N/A	N/A
Breeding-21	24/09/2021	VP8	1	08:55	11:55	W	F1	Dry	8	V.good	N/A	N/A
Breeding-21	24/09/2021	VP8	2	12:30	15:30	W	F1	Dry	8	V.good	N/A	N/A
Breeding-21	21/09/2021	VP9	1	08:45	11:45	SW	F3	Dry	8	V.good	N/A	N/A
Breeding-21	21/09/2021	VP9	2	12:25	15:25	SW	F3	V. light showers	7	V.good	N/A	N/A
Breeding-21	22/09/2021	VP10	1	08:47	11:47	SW	F3	Dry	8	V.good	N/A	N/A
Breeding-21	22/09/2021	VP10	2	12:25	15:25	SW	F4	Dry	8	V.good	N/A	N/A
Breeding-21	22/09/2021	VP11	1	16:05	19:05	SW	F3	Dry	8	V.good	N/A	N/A
Breeding-21	23/09/2021	VP11	2	16:10	19:10	SW	F1	Dry	8	V.good	N/A	N/A
Winter-21	01/10/2021	VP1	1	11:20	14:20	W	F2	Dry	4	V.good	N/A	N/A
Winter-21	01/10/2021	VP1	2	07:45	10:45	SW	F1-2	Dry	2	V.good	N/A	N/A
Winter-21	28/10/2021	VP2	1	08:35	11:35	S	F2	Dry	3	V.good	N/A	N/A
Winter-21	28/10/2021	VP2	2	12:10	15:10	S	F2	Light showers	6	V.good	N/A	N/A
Winter-21	26/10/2021	VP3	1	08:20	11:20	SSW	F2	Showers	8	V.good	N/A	N/A
Winter-21	26/10/2021	VP3	2	12:00	15:00	SSW	F3	Showers	8	V.good	N/A	N/A
Winter-21	02/10/2021	VP4	1	08:00	11:00	S	F1	Dry	4	V.good	N/A	N/A
Winter-21	02/10/2021	VP4	2	11:45	14:45	W	F1	Dry	5	V.good	N/A	N/A
Winter-21	01/10/2021	VP5	1	15:05	18:05	W	F2	Dry	6	V.good	N/A	N/A
Winter-21	02/10/2021	VP5	2	15:20	18:20	SSW	F1	Dry	5	V.good	N/A	N/A
Winter-21	03/10/2021	VP6	1	08:00	11:00	WSW	F2	Showers	8	V.good	N/A	N/A
Winter-21	03/10/2021	VP6	2	11:34	14:34	WSW	F2	Showers	8	V.good	N/A	N/A
Winter-21	03/10/2021	VP7	1	15:05	18:05	W	F1	Light showers	8	V.good	N/A	N/A

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-21	27/10/2021	VP7	2	08:30	11:30	S	F2	Showers	8	V.good	N/A	N/A
Winter-21	27/10/2021	VP8	1	12:05	15:05	S	F2	Light rain/showers	8	Good	N/A	N/A
Winter-21	29/10/2021	VP8	2	08:40	11:40	W	F1	Dry	5	V.good	N/A	N/A
Winter-21	25/10/2021	VP9	1	08:18	11:18	SSW	F2	Dry	5	V.good	N/A	N/A
Winter-21	29/10/2021	VP9	2	13:05	16:05	SSW	F1	Dry	6	V.good	N/A	N/A
Winter-21	20/10/2021	VP10	1	08:10	11:10	WSW	F1	Dry	4	V.good	N/A	N/A
Winter-21	25/10/2021	VP10	2	12:30	15:30	SW	F1	Dry	5	V.good	N/A	N/A
Winter-21	20/10/2021	VP11	1	11:45	14:45	W	F1	Dry	5	V.good	N/A	N/A
Winter-21	20/10/2021	VP11	2	15:15	18:15	W	F1	Dry	5	V.good	N/A	N/A
Winter-21	01/12/2021	VP1	1	08:20	11:20	NW	F3	Showers	4	Good	N/A	N/A
Winter-21	01/12/2021	VP1	2	11:20	14:20	NW	F3	Showers	4	Good	N/A	N/A
Winter-21	23/11/2021	VP2	1	08:15	11:15		F0	Dry	8	Excellent	N/A	N/A
Winter-21	23/11/2021	VP2	2	11:45	14:45		F0	Dry	8	Excellent	N/A	N/A
Winter-21	22/11/2021	VP3	1	09:15	12:15		F0-1	Dry	0	Excellent	N/A	N/A
Winter-21	22/11/2021	VP3	2	12:45	15:45		F0-1	Dry	0	Excellent	N/A	N/A
Winter-21	25/11/2021	VP4	1	08:00	11:00		F1-2	Dry	3	Excellent	N/A	N/A
Winter-21	25/11/2021	VP4	2	11:30	14:30		F1-2	Dry	3	Excellent	N/A	N/A
Winter-21	26/11/2021	VP5	1	08:00	11:00		F3-4	Occasional light showers	6	Excellent	N/A	N/A
Winter-21	26/11/2021	VP5	2	11:30	14:30		F3-4	Occasional light showers	6	Excellent	N/A	N/A
Winter-21	02/12/2021	VP6	1	09:10	12:10	W	F1-2	Dry	4	Moderate	N/A	N/A
Winter-21	02/12/2021	VP6	2	12:40	15:40	W	F2	Light rain/showers	7	Good-Poor	N/A	N/A
Winter-21	29/11/2021	VP7	1	10:45	13:45	W	F2	Dry	8	Very good	N/A	N/A

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-21	29/11/2021	VP7	2	13:45	16:45	W	F2	Dry	8	Very good	N/A	N/A
Winter-21	24/11/2021	VP8	1	09:00	12:00	NW	F3	Showers then dry	4	Excellent	N/A	N/A
Winter-21	24/11/2021	VP8	2	12:30	15:30	NW	F3	Dry (drizzle at 13:15-13:20)	3	Excellent	N/A	N/A
Winter-21	19/11/2021	VP9	1	07:30	10:30	SW	F1	Mist/Dry	8	Good	N/A	N/A
Winter-21	02/11/2021	VP9	2	08:20	11:20	W	F1	Dry	5	Good	N/A	N/A
Winter-21	18/11/2021	VP10	1	14:00	17:00	SE	F2	Dry	8	Good	N/A	N/A
Winter-21	18/11/2021	VP10	2	11:00	14:00	SE	F2	Dry	8	Good	N/A	N/A
Winter-21	25/11/2021	VP11	1	08:50	11:50	NW	F3	Dry	2	Excellent	N/A	N/A
Winter-21	25/11/2021	VP11	2	12:30	15:30	NW	F3	Shower	2	Good	N/A	N/A
Winter-21	13/12/2021	VP1	1	09:30	12:30		F1	Light Drizzle	7	Good	N/A	N/A
Winter-21	13/12/2021	VP1	2	13:00	16:00		F1	Light Drizzle	7	good	N/A	N/A
Winter-21	14/12/2021	VP2	1	09:30	12:30		F2	Dry	3	Good	N/A	N/A
Winter-21	14/12/2021	VP2	2	13:00	16:00		F2	Dry	3	Good	N/A	N/A
Winter-21	13/12/2021	VP3	1	09:30	12:30		F2	Some drizzle	7	Moderate	N/A	N/A
Winter-21	13/12/2021	VP3	2	13:00	16:00		F2	Some drizzle	7	Moderate	N/A	N/A
Winter-21	15/12/2021	VP4	1	09:30	12:30		F3	Dry	8	Good	N/A	N/A
Winter-21	15/12/2021	VP4	2	13:00	16:00		F3	Dry	8	Very good	N/A	N/A
Winter-21	14/12/2021	VP5	1	13:00	16:00		F2	Dry	7	Moderate	N/A	N/A
Winter-21	14/12/2021	VP5	2	09:30	12:30		F1	Dry	7	Good	N/A	N/A
Winter-21	16/12/2021	VP6	1	09:30	12:30		F2	Dry	7	Moderate	N/A	N/A
Winter-21	16/12/2021	VP6	2	13:00	16:00		F2	Dry	7	Moderate	N/A	N/A
Winter-21	15/12/2021	VP7	1	09:30	12:00		F2	Light drizzle at 10:55am	7	Moderate	N/A	N/A

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-21	15/12/2021	VP7	2	13:00	16:00		F2	Dry	6	Good	N/A	N/A
Winter-21	27/12/2021	VP8	1	09:00	12:00		F2	Dry	8	Moderate	N/A	N/A
Winter-21	27/12/2021	VP8	2	13:00	16:00		F2	Light Drizzle	4	Moderate	N/A	N/A
Winter-21	16/12/2021	VP9	1	09:30	12:30		F3	Dry	7	Good	N/A	N/A
Winter-21	16/12/2021	VP9	2	13:00	14:00		F3	Dry	7	Good	N/A	N/A
Winter-21	27/12/2021	VP10	1	09:30	12:30		F1	Dry	8	Moderate	N/A	N/A
Winter-21	27/12/2021	VP10	2	13:00	16:00		F1	Dry	8	Moderate	N/A	N/A
Winter-21	28/12/2021	VP11	1	13:00	16:00		F1	Dry	3	Excellent	N/A	N/A
Winter-21	28/12/2021	VP11	2	09:30	12:30		F1	Dry	3	Excellent	N/A	N/A
Winter-22	07/01/2022	VP1	1	09:30	12:30		F3	Showers	6	Good	N/A	N/A
Winter-22	07/01/2022	VP1	2	13:00	16:00		F3	Showers	7	Good	N/A	N/A
Winter-22	17/01/2022	VP2	1	09:30	12:30		F1	Dry	1	Excellent	N/A	N/A
Winter-22	17/01/2022	VP2	2	13:00	16:00		F1	Dry	1	Excellent	N/A	N/A
Winter-22	18/01/2022	VP3	1	09:30	12:30		F1	Light Drizzle	7	Good	N/A	N/A
Winter-22	18/01/2022	VP3	2	13:00	16:00		F1	Light Drizzle	7	Good	N/A	N/A
Winter-22	24/01/2022	VP4	1	09:30	12:30		F1	Dry	7	Good	N/A	N/A
Winter-22	24/01/2022	VP4	2	13:00	16:00		F1	Dry	7	Good	N/A	N/A
Winter-22	25/01/2022	VP5	1	09:30	12:30		F1	Dry	7	Moderate	N/A	N/A
Winter-22	25/01/2022	VP5	2	13:00	16:00		F2	Dry	7	Moderate	N/A	N/A
Winter-22	24/01/2022	VP6	1	09:40	12:40		F1	Dry	4	Good	N/A	N/A
Winter-22	24/01/2022	VP6	2	13:10	16:10		F1	Dry	4	Good	N/A	N/A
Winter-22	06/01/2022	VP7	1	09:30	12:30		F3	Light Drizzle	8	Moderate	N/A	N/A
Winter-22	06/01/2022	VP7	2	13:00	16:00		F3	Light Drizzle	8	Moderate	N/A	N/A
Winter-22	11/01/2022	VP8	1	09:30	12:30		F1	Dry	3	Good	N/A	N/A

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-22	11/01/2022	VP8	2	13:00	16:00		F1	Dry	3	Good	N/A	N/A
Winter-22	12/01/2022	VP9	1	09:30	12:30		F1	Dry	2	Very good	N/A	N/A
Winter-22	12/01/2022	VP9	2	13:00	16:00		F1	Dry	2	Very good	N/A	N/A
Winter-22	17/01/2022	VP10	1	09:40	12:40		F1	Dry	2	Good	N/A	N/A
Winter-22	17/01/2022	VP10	2	13:10	16:10		F1	Dry	2	Good	N/A	N/A
Winter-22	18/01/2022	VP11	1	09:30	12:30		F2	Dry	8	Moderate	N/A	N/A
Winter-22	18/01/2022	VP11	2	13:00	16:00		F2	Light Rain	8	Moderate	N/A	N/A
Winter-22	01/02/2022	VP1	1	09:30	12:30		F3	Light Drizzle	7	Good	N/A	N/A
Winter-22	01/02/2022	VP1	2	13:00	16:00		F3	Light Drizzle-Dry	7	Good	N/A	N/A
Winter-22	03/02/2022	VP2	1	09:30	12:30		F2	Dry	6	Excellent	N/A	N/A
Winter-22	03/02/2022	VP2	2	13:00	16:00		F2	Dry	6	Excellent	N/A	N/A
Winter-22	02/02/2022	VP3	1	09:30	12:30		F3	Light Drizzle	6	Good	N/A	N/A
Winter-22	02/02/2022	VP3	2	13:00	16:00		F3	Dry	7	Good	N/A	N/A
Winter-22	28/02/2022	VP4	1	09:30	13:00		F1	Dry	2	Excellent	N/A	N/A
Winter-22	28/02/2022	VP4	2	13:00	16:00		F3	Dry/Light Rain	2	Excellent	N/A	N/A
Winter-22	25/02/2022	VP5	1	09:30	12:30		F1	Dry	6	Good	N/A	N/A
Winter-22	25/02/2022	VP5	2	13:00	16:00		F1	Dry	5	Good	N/A	N/A
Winter-22	25/02/2022	VP6	1	09:30	12:30		F2	Dry	7	Good	N/A	N/A
Winter-22	25/02/2022	VP6	2	13:00	16:00		F3	Dry	7	Good	N/A	N/A
Winter-22	02/02/2022	VP7	1	09:40	12:40		F2	Dry	8	Good	N/A	N/A
Winter-22	02/02/2022	VP7	2	13:10	16:10		F2	Dry	8	Good	N/A	N/A
Winter-22	14/02/2022	VP8	1	09:15	12:15		F4	Showers	6	Good	N/A	N/A
Winter-22	14/02/2022	VP8	2	12:45	15:45		F4	Showers	4	Good	N/A	N/A
Winter-22	09/02/2022	VP9	1	09:15	12:15		F3	Dry	4	Good	N/A	N/A

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-22	09/02/2022	VP9	2	12:45	15:45		F3	Dry/Occassional Shower	5	Good	N/A	N/A
Winter-22	01/02/2022	VP10	1	09:40	12:40		F2	Drizzle	8	Good	N/A	N/A
Winter-22	01/02/2022	VP10	2	13:10	16:10		F3	Drizzle	8	Good	N/A	N/A
Winter-22	08/02/2022	VP11	1	09:30	12:30		F3	Drizzle	8	Moderate	N/A	N/A
Winter-22	08/02/2022	VP11	2	13:00	16:00		F2	Drizzle	8	Moderate	N/A	N/A
Winter-22	02/03/2022	VP1	1	09:30	12:30		F2	Heavy Drizzle	8	Moderate	N/A	N/A
Winter-22	02/03/2022	VP1	2	13:00	16:00		F3	Light Drizzle-Dry	7	Good	N/A	N/A
Winter-22	07/03/2022	VP2	1	09:30	12:30		F3	Dry	6	Good	N/A	N/A
Winter-22	07/03/2022	VP2	2	13:00	16:00		F3	Dry	6	Good	N/A	N/A
Winter-22	16/03/2022	VP3	1	09:30	12:30		F1	Dry	1	Excellent	N/A	N/A
Winter-22	16/03/2022	VP3	2	13:00	16:00		F1	Dry	1	Excellent	N/A	N/A
Winter-22	08/03/2022	VP4	1	09:30	12:30		F4	Dry	7	Good	N/A	N/A
Winter-22	08/03/2022	VP4	2	13:00	16:00		F3	Dry/Light Drizzle	6	Good	N/A	N/A
Winter-22	15/03/2022	VP5	1	09:30	12:30		F2	Dry	7	Good	N/A	N/A
Winter-22	15/03/2022	VP5	2	13:00	16:00		F2	Dry	6	Good	N/A	N/A
Winter-22	16/03/2022	VP6	1	09:30	12:30		F1	Dry	3	Excellent	N/A	N/A
Winter-22	16/03/2022	VP6	2	13:00	16:00		F1	Dry	4	Excellent	N/A	N/A
Winter-22	07/03/2022	VP7	1	09:35	12:35		F3	Dry	8	Good	N/A	N/A
Winter-22	07/03/2022	VP7	2	13:10	16:10		F4	Dry	7	Good	N/A	N/A
Winter-22	08/03/2022	VP8	1	09:40	12:40		F3	Heavy showers	8	Good	N/A	N/A
Winter-22	08/03/2022	VP8	2	13:10	16:10		F3	Showers	8	Good	N/A	N/A
Winter-22	02/03/2022	VP9	1	09:40	12:40		F3	Drizzle	8	Moderate	N/A	N/A
Winter-22	02/03/2022	VP9	2	13:10	16:10		F3	Drizzle	8	Moderate	N/A	N/A

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-22	15/03/2022	VP10	1	09:45	12:45		F1	Dry	8	Good	N/A	N/A
Winter-22	15/03/2022	VP10	2	13:15	16:15		F1	Dry	8	Good	N/A	N/A
Winter-22	28/03/2022	VP11	1	09:30	12:30		F1	Dry	1	Excellent	N/A	N/A
Winter-22	28/03/2022	VP11	2	13:00	16:00		F1	Dry	1	Excellent	N/A	N/A
Breeding-22	11/04/2022	VP9	Dawn	07:00	08:00	E	5	0	7/8	4	0	0
Breeding-22	11/04/2022	VP9	Dawn	08:00	09:00	E	5	0	8/8	4	0	0
Breeding-22	11/04/2022	VP9	Dawn	10:20	11:20	E	5	0	7/8	4	0	0
Breeding-22	11/04/2022	VP9	Dawn	11:20	12:20	E	5	0	7/8	4	0	0
Breeding-22	11/04/2022	VP9	Dawn	12:20	13:20	E	5	0	7/8	4	0	0
Breeding-22	11/04/2022	VP9	Dawn	13:20	14:20	E	4	0	8/8	4	0	0
Breeding-22	12/04/2022	VP8	Dawn	06:45	07:45	E	2	0	3/8	4	0	0
Breeding-22	12/04/2022	VP8	Dawn	07:45	08:45	E	2	0	3/8	4	0	0
Breeding-22	12/04/2022	VP8	Dawn	09:55	10:55	E	2	0	4/8	4	0	0
Breeding-22	12/04/2022	VP8	Dawn	10:55	11:55	E	2	0	7/8	4	0	0
Breeding-22	12/04/2022	VP8	Dawn	11:55	12:55	E	2	0	7/8	4	0	0
Breeding-22	12/04/2022	VP8	Dawn	12:55	13:55	E	2	0	7/8	4	0	0
Breeding-22	13/04/2022	VP10	Dawn	06:45	07:45	SW	1	0	7/8	3	0	0
Breeding-22	13/04/2022	VP10	Dawn	07:45	08:45	SW	1	0	7/8	4	0	0
Breeding-22	13/04/2022	VP10	Dawn	09:50	10:50	SW	2	0	7/8	4	0	0
Breeding-22	13/04/2022	VP10	Dawn	10:50	11:50	SW	2	0	7/8	4	0	0
Breeding-22	13/04/2022	VP10	Dawn	11:50	12:50	SW	2	0	7/8	4	0	0
Breeding-22	13/04/2022	VP10	Dawn	12:50	13:50	SW	2	0	7/8	4	0	0
Breeding-22	15/04/2022	VP11	Dawn	06:45	07:45	SE	4	0	8/8	4	0	0
Breeding-22	15/04/2022	VP11	Dawn	07:45	08:45	SE	4	0	8/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	15/04/2022	VP11	Dawn	08:45	09:45	S	5	0	8/8	4	0	0
Breeding-22	15/04/2022	VP11	Dawn	09:45	10:45	S	6	0	8/8	4	0	0
Breeding-22	15/04/2022	VP11	Dawn	10:45	11:45	S	6	2	8/8	4	0	0
Breeding-22	15/04/2022	VP11	Dawn	11:45	12:45	S	6	2	8/8	4	0	0
Breeding-22	12/04/2022	VP1	Day	14:00	15:00	E	2	0	8/8	4	0	0
Breeding-22	12/04/2022	VP1	Day	15:00	16:00	E	2	0	7/8	4	0	0
Breeding-22	12/04/2022	VP1	Day	16:00	17:00	ESE	2	0	7/8	4	0	0
Breeding-22	12/04/2022	VP1	Day	17:30	18:30	ESE	2	0	6/8	4	0	0
Breeding-22	12/04/2022	VP1	Day	18:30	19:30	SW	2	0	6/8	4	0	0
Breeding-22	12/04/2022	VP1	Dusk	19:30	20:30	SW	1	0	5/8	4	0	0
Breeding-22	13/04/2022	VP2	Day	14:00	15:00	SW	1	0	7/8	4	0	0
Breeding-22	13/04/2022	VP2	Day	15:00	16:00	SW	3	0	7/8	4	0	0
Breeding-22	13/04/2022	VP2	Day	16:00	17:00	SW	2	0	6/8	4	0	0
Breeding-22	13/04/2022	VP2	Day	17:30	18:30	SW	2	0	5/8	4	0	0
Breeding-22	13/04/2022	VP2	Day	18:30	19:30	WSW	2	0	2/8	4	0	0
Breeding-22	13/04/2022	VP2	Dusk	19:30	20:30	WSW	1	0	1/8	4	0	0
Breeding-22	14/04/2022	VP3	Dawn	06:40	07:40	SSE	1	0	8/8	4	0	0
Breeding-22	14/04/2022	VP3	Day	07:40	08:40	SSE	1	0	8/8	4	0	0
Breeding-22	14/04/2022	VP3	Day	08:40	09:40	SSE	2	2	8/8	4	0	0
Breeding-22	14/04/2022	VP3	Day	11:00	12:00	SSE	2	2	8/8	4	0	0
Breeding-22	14/04/2022	VP3	Day	12:00	13:00	SSE	2	2	8/8	4	0	0
Breeding-22	14/04/2022	VP3	Day	13:00	14:00	SSE	3	3	8/8	4	0	0
Breeding-22	15/04/2022	VP4	Dawn	06:50	07:50	SE	4	0	8/8	4	0	0
Breeding-22	15/04/2022	VP4	Day	07:50	08:50	SE	4	0	8/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	15/04/2022	VP4	Day	08:50	09:50	SE	4	2	8/8	4	0	0
Breeding-22	15/04/2022	VP4	Day	10:20	11:20	SSE	5	2	8/8	4	0	0
Breeding-22	15/04/2022	VP4	Day	11:20	12:20	S	5	0	8/8	4	0	0
Breeding-22	15/04/2022	VP4	Day	12:20	13:20	S	5	0	8/8	4	0	0
Breeding-22	20/04/2022	VP5	Day	14:15	15:15	SSE	3	0	5/8	4	0	0
Breeding-22	20/04/2022	VP5	Day	15:15	16:15	SSE	4	0	6/8	4	0	0
Breeding-22	20/04/2022	VP5	Day	16:15	17:15	SSE	4	0	7/8	4	0	0
Breeding-22	20/04/2022	VP5	Day	17:45	18:45	SSE	3	0	7/8	4	0	0
Breeding-22	20/04/2022	VP5	Day	18:45	19:45	SSE	3	0	7/8	4	0	0
Breeding-22	20/04/2022	VP5	Dusk	19:45	20:45	SSE	2	0	7/8	4	0	0
Breeding-22	21/04/2022	VP6	Dawn	06:30	07:30	E	2	0	8/8	4	0	0
Breeding-22	21/04/2022	VP6	Day	07:30	08:30	E	4	0	8/8	4	0	0
Breeding-22	21/04/2022	VP6	Day	08:30	09:30	E	4	0	8/8	4	0	0
Breeding-22	21/04/2022	VP6	Day	10:00	11:00	E	4	0	8/8	4	0	0
Breeding-22	21/04/2022	VP6	Day	11:00	12:00	E	4	0	7/8	4	0	0
Breeding-22	21/04/2022	VP6	Day	12:00	13:00	E	4	0	7/8	4	0	0
Breeding-22	21/04/2022	VP7	Day	16:40	17:40	E	3	0	7/8	4	0	0
Breeding-22	21/04/2022	VP7	Day	17:40	18:40	E	3	0	7/8	4	0	0
Breeding-22	21/04/2022	VP7	Day	18:40	19:40	E	3	0	7/8	4	0	0
Breeding-22	22/04/2022	VP7	Dawn	06:15	07:15	E	1	0	8/8	4	0	0
Breeding-22	22/04/2022	VP7	N/A	07:15	08:15	E	2	0	8/8	4	0	0
Breeding-22	22/04/2022	VP7	N/A	08:15	09:15	E	2	0	8/8	4	0	0
Breeding-22	03/05/2022	VP4	Day	14:35	15:35	W	3	0	7/8	4	0	0
Breeding-22	03/05/2022	VP4	Day	15:35	16:35	W	2	0	8/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	03/05/2022	VP4	Day	16:35	17:35	W	1	0	8/8	4	0	0
Breeding-22	03/05/2022	VP4	Day	18:05	19:05	W	1	0	8/8	4	0	0
Breeding-22	03/05/2022	VP4	Day	19:05	20:05	WSW	2	3	8/8	4	0	0
Breeding-22	03/05/2022	VP4	Dusk	20:05	21:05	WSW	1	0	8/8	4	0	0
Breeding-22	04/05/2022	VP5	Dawn	05:50	06:50	W	1	2	8/8	4	0	0
Breeding-22	04/05/2022	VP5	Day	06:50	07:50	W	2	0	8/8	4	0	0
Breeding-22	04/05/2022	VP5	Day	07:50	08:50	W	2	0	8/8	4	0	0
Breeding-22	04/05/2022	VP5	Day	13:00	14:00	WNW	2	0	7/8	4	0	0
Breeding-22	04/05/2022	VP5	Day	14:00	15:00	WNW	2	0	6/8	4	0	0
Breeding-22	04/05/2022	VP5	Day	15:00	16:00	WNW	2	0	6/8	4	0	0
Breeding-22	16/05/2022	VP6	Day	15:00	16:00	SW	3	4	8/8	4	0	0
Breeding-22	16/05/2022	VP6	Day	16:00	17:00	SW	3	3	7/8	4	0	0
Breeding-22	16/05/2022	VP6	Day	17:00	18:00	SW	3	3	7/8	4	0	0
Breeding-22	16/05/2022	VP6	Day	18:30	19:30	SW	3	0	7/8	4	0	0
Breeding-22	16/05/2022	VP6	Day	19:30	20:30	SW	3	0	7/8	4	0	0
Breeding-22	16/05/2022	VP6	Dusk	20:30	21:30	SW	3	0	7/8	4	0	0
Breeding-22	18/05/2022	VP1	Dawn	05:35	06:35	S	2	2	8/8	4	0	0
Breeding-22	18/05/2022	VP1	Day	06:35	07:35	S	2	0	8/8	4	0	0
Breeding-22	18/05/2022	VP1	Day	07:35	08:35	S	3	0	8/8	4	0	0
Breeding-22	18/05/2022	VP1	Day	09:05	10:05	S	3	0	7/8	4	0	0
Breeding-22	18/05/2022	VP1	Day	10:05	11:05	S	3	0	7/8	4	0	0
Breeding-22	18/05/2022	VP1	Day	11:05	12:05	S	4	0	7/8	4	0	0
Breeding-22	19/05/2022	VP7	Day	14:45	15:45	SSW	3	0	6/8	4	0	0
Breeding-22	19/05/2022	VP7	Day	15:45	16:45	SSW	3	0	6/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	19/05/2022	VP7	Day	16:45	17:45	SSW	3	0	6/8	4	0	0
Breeding-22	19/05/2022	VP7	Day	18:30	19:30	SSW	3	0	6/8	4	0	0
Breeding-22	19/05/2022	VP7	Day	19:30	20:30	SSW	3	0	6/8	4	0	0
Breeding-22	19/05/2022	VP7	Dusk	20:30	21:30	SSW	2	0	6/8	4	0	0
Breeding-22	30/05/2022	VP3	Day	14:10	15:10	W	3	3	7/8	4	0	0
Breeding-22	30/05/2022	VP3	Day	15:10	16:10	W	3	3	7/8	4	0	0
Breeding-22	30/05/2022	VP3	Day	16:10	17:10	W	3	3	7/8	4	0	0
Breeding-22	30/05/2022	VP3	Day	18:50	19:50	W	3	5	8/8	3	0	0
Breeding-22	30/05/2022	VP3	Day	19:50	20:50	W	2	3	7/8	4	0	0
Breeding-22	30/05/2022	VP3	Dusk	20:50	21:50	W	2	0	6/8	4	0	0
Breeding-22	31/05/2022	VP2	Dawn	05:15	06:15	WNWW	0	0	8/8	4	0	0
Breeding-22	31/05/2022	VP2	Day	06:15	07:15	WNW	0	0	7/8	4	0	0
Breeding-22	31/05/2022	VP2	Day	07:15	08:15	WNW	2	3	7/8	4	0	0
Breeding-22	31/05/2022	VP2	Day	09:35	10:35	WNW	2	0	7/8	4	0	0
Breeding-22	31/05/2022	VP2	Day	10:35	11:35	WNW	3	0	6/8	4	0	0
Breeding-22	31/05/2022	VP2	Day	11:35	12:35	WNW	3	0	6/8	4	0	0
Breeding-22	04/05/2022	VP11	Dusk	15:10	16:10	W	6	0	7/8	4	0	0
Breeding-22	04/05/2022	VP11	Dusk	16:10	17:10	W	6	0	4/8	4	0	0
Breeding-22	04/05/2022	VP11	Dusk	17:10	18:10	W	5	0	4/8	4	0	0
Breeding-22	04/05/2022	VP11	Dusk	18:10	19:10	W	5	0	6/8	4	0	0
Breeding-22	04/05/2022	VP11	Dusk	19:10	20:10	W	4	0	7/8	3	0	0
Breeding-22	04/05/2022	VP11	Dusk	20:10	21:10	W	1	0	7/8	3	0	0
Breeding-22	09/05/2022	VP8	Dusk	15:20	16:20	SW	6	1	7/8	4	0	0
Breeding-22	09/05/2022	VP8	Dusk	16:20	17:20	SW	6	0	7/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	09/05/2022	VP8	Dusk	17:20	18:20	SW	7	0	5/8	4	0	0
Breeding-22	09/05/2022	VP8	Dusk	18:20	19:20	SW	7	0	4/8	4	0	0
Breeding-22	09/05/2022	VP8	Dusk	19:20	20:20	SW	6	0	4/8	4	0	0
Breeding-22	09/05/2022	VP8	Dusk	20:20	21:20	SW	6	0	4/8	4	0	0
Breeding-22	11/05/2022	VP9	Dusk	15:20	16:20	W	3	4	6/8	4	0	0
Breeding-22	11/05/2022	VP9	Dusk	16:20	17:20	W	4	0	5/8	4	0	0
Breeding-22	11/05/2022	VP9	Dusk	17:20	18:20	W	6	0	5/8	4	0	0
Breeding-22	11/05/2022	VP9	Dusk	18:20	19:20	W	6	0	4/8	4	0	0
Breeding-22	11/05/2022	VP9	Dusk	19:20	20:20	W	6	0	3/8	4	0	0
Breeding-22	11/05/2022	VP9	Dusk	20:20	21:20	W	6	1	7/8	4	0	0
Breeding-22	12/05/2022	VP10	Dusk	15:20	16:20	SW	5	0	7/8	4	0	0
Breeding-22	12/05/2022	VP10	Dusk	16:20	17:20	SW	6	1	8/8	4	0	0
Breeding-22	12/05/2022	VP10	Dusk	17:20	18:20	SW	6	0	8/8	4	0	0
Breeding-22	12/05/2022	VP10	Dusk	18:20	19:20	SW	5	0	8/8	4	0	0
Breeding-22	12/05/2022	VP10	Dusk	19:20	20:20	SW	5	1	8/8	4	0	0
Breeding-22	12/05/2022	VP10	Dusk	20:20	21:20	SW	5	1	8/8	4	0	0
Breeding-22	08/06/2022	VP3	Day	11:45	12:45	WSW	4	5	8/8	3	0	0
Breeding-22	08/06/2022	VP3	Day	12:45	13:45	WSW	4	5	8/8	3	0	0
Breeding-22	08/06/2022	VP3	Day	13:45	14:45	WSW	4	3	7/8	4	0	0
Breeding-22	08/06/2022	VP3	Day	15:40	16:40	WSW	4	0	7/8	4	0	0
Breeding-22	08/06/2022	VP3	Day	16:40	17:40	WSW	5	0	7/8	4	0	0
Breeding-22	08/06/2022	VP3	Day	17:40	18:40	WSW	5	0	7/8	4	0	0
Breeding-22	09/06/2022	VP1	Day	14:20	15:20	SSW	6	0	7/8	4	0	0
Breeding-22	09/06/2022	VP1	Day	15:20	16:20	SW	6	0	7/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	09/06/2022	VP1	Day	16:20	17:20	SW	5	0	7/8	4	0	0
Breeding-22	09/06/2022	VP1	Day	17:50	18:50	SW	5	0	6/8	4	0	0
Breeding-22	09/06/2022	VP1	Day	18:50	19:50	SW	5	0	4/8	4	0	0
Breeding-22	09/06/2022	VP1	Day	19:50	20:50	SW	5	0	4/8	4	0	0
Breeding-22	10/06/2022	VP2	Day	10:05	11:05	SW	4	3	7/8	4	0	0
Breeding-22	10/06/2022	VP2	Day	11:05	12:05	SW	4	4	7/8	4	0	0
Breeding-22	10/06/2022	VP2	Day	12:05	13:05	SW	5	0	6/8	4	0	0
Breeding-22	10/06/2022	VP2	Day	13:35	14:35	SW	6	0	6/8	4	0	0
Breeding-22	10/06/2022	VP2	Day	14:35	15:35	SW	5	0	7/8	4	0	0
Breeding-22	10/06/2022	VP2	Day	15:35	16:35	SW	5	0	7/8	4	0	0
Breeding-22	27/06/2022	VP4	Day	13:55	14:55	SSW	3	0	7/8	4	0	0
Breeding-22	27/06/2022	VP4	Day	14:55	15:55	SSW	3	0	7/8	4	0	0
Breeding-22	27/06/2022	VP4	Day	15:55	16:55	SSW	3	0	7/8	4	0	0
Breeding-22	27/06/2022	VP4	Day	17:25	18:25	SSW	3	0	7/8	4	0	0
Breeding-22	27/06/2022	VP4	Day	18:25	19:25	SSW	3	3	7/8	4	0	0
Breeding-22	27/06/2022	VP4	Day	19:25	20:25	SSW	3	3	7/8	4	0	0
Breeding-22	28/06/2022	VP5	Day	14:05	15:05	SW	4	0	7/8	4	0	0
Breeding-22	28/06/2022	VP5	Day	15:05	16:05	SW	4	0	7/8	4	0	0
Breeding-22	28/06/2022	VP5	Day	16:05	17:05	SW	4	0	7/8	4	0	0
Breeding-22	28/06/2022	VP5	Day	17:35	18:35	SW	3	0	7/8	4	0	0
Breeding-22	28/06/2022	VP5	Day	18:35	19:35	SSW	2	0	7/8	4	0	0
Breeding-22	28/06/2022	VP5	Day	19:35	20:35	SSW	2	0	7/8	4	0	0
Breeding-22	29/06/2022	VP6	Day	08:30	09:30	SSW	2	0	7/8	4	0	0
Breeding-22	29/06/2022	VP6	Day	09:30	10:30	SSW	2	0	8/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	29/06/2022	VP6	Day	10:30	11:30	SSW	2	3	8/8	4	0	0
Breeding-22	29/06/2022	VP6	Day	14:55	15:55	W	2	4	7/8	4	0	0
Breeding-22	29/06/2022	VP6	Day	15:55	16:55	W	2	4	7/8	4	0	0
Breeding-22	29/06/2022	VP6	Day	16:55	17:55	W	2	4	8/8	4	0	0
Breeding-22	30/06/2022	VP7	Day	12:35	13:35	WSW	3	0	7/8	4	0	0
Breeding-22	30/06/2022	VP7	Day	13:35	14:35	W	3	0	8/8	4	0	0
Breeding-22	30/06/2022	VP7	Day	14:35	15:35	W	3	0	8/8	4	0	0
Breeding-22	30/06/2022	VP7	Day	18:00	19:00	W	3	0	7/8	4	0	0
Breeding-22	30/06/2022	VP7	Day	19:00	20:00	WSW	3	3	8/8	4	0	0
Breeding-22	30/06/2022	VP7	Day	20:00	21:00	W	2	5	8/8	4	0	0
Breeding-22	07/06/2022	VP11	Day	11:20	12:20	SE	1	0	6/8	4	0	0
Breeding-22	07/06/2022	VP11	Day	12:20	13:20	SE	1	0	7/8	4	0	0
Breeding-22	07/06/2022	VP11	Day	13:20	14:20	SE	1	0	8/8	4	0	0
Breeding-22	07/06/2022	VP11	Day	14:20	15:20	SE	2	0	8/8	4	0	0
Breeding-22	07/06/2022	VP11	Day	15:20	16:20	SE	3	0	8/8	4	0	0
Breeding-22	07/06/2022	VP11	Day	16:20	17:20	SE	3	0	8/8	4	0	0
Breeding-22	08/06/2022	VP10	Day	13:15	14:15	SW	4	1	7/8	4	0	0
Breeding-22	08/06/2022	VP10	Day	14:15	15:15	SW	3	1	8/8	4	0	0
Breeding-22	08/06/2022	VP10	Day	15:15	16:15	SW	4	1	6/8	4	0	0
Breeding-22	09/06/2022	VP10	Day	12:25	13:25	SW	3	0	6/8	4	0	0
Breeding-22	09/06/2022	VP10	Day	13:25	14:25	SW	4	0	4/8	4	0	0
Breeding-22	09/06/2022	VP10	Day	14:25	15:25	SW	4	0	7/8	4	0	0
Breeding-22	09/06/2022	VP9	Day	15:30	16:30	SW	4	0	7/8	4	0	0
Breeding-22	09/06/2022	VP9	Day	16:30	17:30	SW	3	0	6/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	09/06/2022	VP9	Day	17:30	18:30	SW	4	0	6/8	4	0	0
Breeding-22	09/06/2022	VP9	Day	18:30	19:30	SW	3	0	6/8	4	0	0
Breeding-22	09/06/2022	VP9	Day	19:30	20:30	SW	4	0	5/8	4	0	0
Breeding-22	09/06/2022	VP9	Day	20:30	21:30	SW	4	0	6/8	4	0	0
Breeding-22	17/06/2022	VP8	Day	10:35	11:35	SW	2	2	8/8	4	0	0
Breeding-22	17/06/2022	VP8	Day	11:35	12:35	SW	1	2	8/8	4	0	0
Breeding-22	17/06/2022	VP8	Day	12:35	13:35	SW	1	1	8/8	4	0	0
Breeding-22	17/06/2022	VP8	Day	13:35	14:35	SW	1	0	8/8	4	0	0
Breeding-22	17/06/2022	VP8	Day	14:35	15:35	SW	1	0	8/8	4	0	0
Breeding-22	17/06/2022	VP8	Day	15:35	16:35	SW	1	0	8/8	4	0	0
Breeding-22	05/07/2022	VP9	Day	10:40	11:40	W	2	0	8/8	4	0	0
Breeding-22	05/07/2022	VP9	Day	11:40	12:40	W	2	0	8/8	4	0	0
Breeding-22	05/07/2022	VP9	Day	12:40	13:40	W	2	0	8/8	4	0	0
Breeding-22	05/07/2022	VP9	Day	13:40	14:40	W	2	0	8/8	4	0	0
Breeding-22	05/07/2022	VP9	Day	14:40	15:40	W	3	0	8/8	4	0	0
Breeding-22	05/07/2022	VP9	Day	15:40	16:40	W	2	0	8/8	4	0	0
Breeding-22	07/07/2022	VP10	Day	10:40	11:40	W	2	0	7/8	4	0	0
Breeding-22	07/07/2022	VP10	Day	11:40	12:40	W	2	0	7/8	4	0	0
Breeding-22	07/07/2022	VP10	Day	12:40	13:40	W	1	0	6/8	4	0	0
Breeding-22	07/07/2022	VP10	Day	13:40	14:40	NW	2	0	5/8	4	0	0
Breeding-22	07/07/2022	VP10	Day	14:40	15:40	NW	2	0	6/8	4	0	0
Breeding-22	07/07/2022	VP10	Day	15:40	16:40	NW	1	0	7/8	4	0	0
Breeding-22	12/07/2022	VP8	Day	10:20	11:20	SW	1	0	8/8	4	0	0
Breeding-22	12/07/2022	VP8	Day	11:20	12:20	SW	2	0	8/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	12/07/2022	VP8	Day	12:20	13:20	SW	2	0	8/8	4	0	0
Breeding-22	12/07/2022	VP8	Day	13:20	14:20	SW	1	0	8/8	4	0	0
Breeding-22	12/07/2022	VP8	Day	14:20	15:20	W	1	0	8/8	4	0	0
Breeding-22	12/07/2022	VP8	Day	15:20	16:20	W	1	0	8/8	4	0	0
Breeding-22	13/07/2022	VP11	Day	10:05	11:05	W	2	0	2/8	4	0	0
Breeding-22	13/07/2022	VP11	Day	11:05	12:05	W	3	0	8/8	4	0	0
Breeding-22	13/07/2022	VP11	Day	12:05	13:05	W	2	0	7/8	4	0	0
Breeding-22	13/07/2022	VP11	Day	13:05	14:05	W	2	0	7/8	4	0	0
Breeding-22	13/07/2022	VP11	Day	14:05	15:05	W	2	0	8/8	4	0	0
Breeding-22	13/07/2022	VP11	Day	15:05	16:05	W	2	0	7/8	4	0	0
Breeding-22	01/07/2022	VP1	Day	10:20	11:20	S	2	0	7/8	4	0	0
Breeding-22	01/07/2022	VP1	Day	11:20	12:20	S	2	0	7/8	4	0	0
Breeding-22	01/07/2022	VP1	Day	12:20	13:20	S	2	3	7/8	4	0	0
Breeding-22	04/07/2022	VP1	Day	13:45	14:45	W	3	0	8/8	4	0	0
Breeding-22	04/07/2022	VP1	Day	14:45	15:45	W	3	0	8/8	4	0	0
Breeding-22	04/07/2022	VP1	Day	15:45	16:45	W	3	0	7/8	4	0	0
Breeding-22	05/07/2022	VP3	Day	10:55	11:55	W	3	0	7/8	4	0	0
Breeding-22	05/07/2022	VP3	Day	11:55	12:55	W	3	0	7/8	4	0	0
Breeding-22	05/07/2022	VP3	Day	12:55	13:55	W	3	0	7/8	4	0	0
Breeding-22	06/07/2022	VP3	Day	07:50	08:50	W	4	0	8/8	4	0	0
Breeding-22	06/07/2022	VP3	Day	08:50	09:50	W	4	0	8/8	4	0	0
Breeding-22	06/07/2022	VP3	Day	09:50	10:50	W	4	0	8/8	4	0	0
Breeding-22	06/07/2022	VP2	Day	13:05	14:05	W	4	0	8/8	4	0	0
Breeding-22	06/07/2022	VP2	Day	14:05	15:05	W	5	0	8/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	06/07/2022	VP2	Day	15:05	16:05	W	4	0	8/8	4	0	0
Breeding-22	06/07/2022	VP2	Day	16:35	17:35	W	4	0	8/8	4	0	0
Breeding-22	06/07/2022	VP2	Day	17:35	18:35	W	4	0	8/8	4	0	0
Breeding-22	06/07/2022	VP2	Day	18:35	19:35	W	4	0	8/8	4	0	0
Breeding-22	07/07/2022	VP4	Day	14:20	15:20	NW	3	0	6/8	4	0	0
Breeding-22	07/07/2022	VP4	Day	15:20	16:20	NW	3	0	6/8	4	0	0
Breeding-22	07/07/2022	VP4	Day	16:20	17:20	NW	2	0	7/8	4	0	0
Breeding-22	08/07/2022	VP4	Day	11:50	12:50	WNW	3	0	7/8	4	0	0
Breeding-22	08/07/2022	VP4	Day	12:50	13:50	W	3	0	7/8	4	0	0
Breeding-22	08/07/2022	VP4	Day	13:50	14:50	W	2	0	7/8	4	0	0
Breeding-22	27/07/2022	VP5	Day	12:30	13:30	SSE	1	0	8/8	4	0	0
Breeding-22	27/07/2022	VP5	Day	13:30	14:30	SSE	1	0	8/8	4	0	0
Breeding-22	27/07/2022	VP5	Day	14:30	15:30	SSE	1	0	8/8	4	0	0
Breeding-22	27/07/2022	VP5	Day	16:00	17:00	SSE	1	0	8/8	4	0	0
Breeding-22	27/07/2022	VP5	Day	17:00	18:00	SSE	1	3	8/8	4	0	0
Breeding-22	27/07/2022	VP5	Day	18:00	19:00	SSE	2	2	8/8	4	0	0
Breeding-22	28/07/2022	VP6	Day	10:45	11:45	ESE	2	0	7/8	4	0	0
Breeding-22	28/07/2022	VP6	Day	11:45	12:45	ESE	3	0	7/8	4	0	0
Breeding-22	28/07/2022	VP6	Day	12:45	13:45	ESE	3	0	7/8	4	0	0
Breeding-22	28/07/2022	VP6	Day	16:30	17:30	ESE	3	0	7/8	4	0	0
Breeding-22	28/07/2022	VP6	Day	17:30	18:30	E	3	0	7/8	4	0	0
Breeding-22	28/07/2022	VP6	Day	18:30	19:30	ESE	3	0	7/8	4	0	0
Breeding-22	29/07/2022	VP7	Day	08:45	09:45	S	4	0	7/8	4	0	0
Breeding-22	29/07/2022	VP7	Day	09:45	10:45	S	4	0	7/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	29/07/2022	VP7	Day	10:45	11:45	S	4	0	8/8	4	0	0
Breeding-22	29/07/2022	VP7	Day	12:15	13:15	S	4	0	8/8	4	0	0
Breeding-22	29/07/2022	VP7	Day	13:15	14:15	S	3	0	8/8	4	0	0
Breeding-22	29/07/2022	VP7	Day	14:15	15:15	SSW	4	0	8/8	4	0	0
Breeding-22	03/08/2022	VP3	Day	12:30	13:30	W	3	0	8/8	4	0	0
Breeding-22	03/08/2022	VP3	Day	13:30	14:30	W	4	0	8/8	4	0	0
Breeding-22	03/08/2022	VP3	Day	14:30	15:30	W	3	0	8/8	4	0	0
Breeding-22	03/08/2022	VP3	Day	16:20	17:20	W	3	3	8/8	4	0	0
Breeding-22	03/08/2022	VP3	Day	17:20	18:20	NW	3	4	7/8	4	0	0
Breeding-22	03/08/2022	VP3	Day	18:20	19:20	NW	3	4	8/8	4	0	0
Breeding-22	04/08/2022	VP1	Day	09:55	10:55	NW	4	0	6/8	4	0	0
Breeding-22	04/08/2022	VP1	Day	10:55	11:55	NW	4	0	5/8	4	0	0
Breeding-22	04/08/2022	VP1	Day	11:55	12:55	NW	4	0	6/8	4	0	0
Breeding-22	04/08/2022	VP1	Day	15:50	16:50	NW	4	0	5/8	4	0	0
Breeding-22	04/08/2022	VP1	Day	16:50	17:50	NW	3	0	6/8	4	0	0
Breeding-22	04/08/2022	VP1	Day	17:50	18:50	NW	3	0	7/8	4	0	0
Breeding-22	05/08/2022	VP2	Day	08:05	09:05	WNW	4	0	7/8	4	0	0
Breeding-22	05/08/2022	VP2	Day	09:05	10:05	WNW	4	0	7/8	4	0	0
Breeding-22	05/08/2022	VP2	Day	10:05	11:05	WNW	4	0	6/8	4	0	0
Breeding-22	05/08/2022	VP2	Day	11:35	12:35	WNW	4	0	7/8	4	0	0
Breeding-22	05/08/2022	VP2	Day	12:35	13:35	WNW	4	0	6/8	4	0	0
Breeding-22	05/08/2022	VP2	Day	13:35	14:35	WNW	4	0	6/8	4	0	0
Breeding-22	16/08/2022	VP4	Day	10:00	11:00	N	4	0	7/8	4	0	0
Breeding-22	16/08/2022	VP4	Day	11:00	12:00	N	5	0	7/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	16/08/2022	VP4	Day	12:00	13:00	N	5	0	7/8	4	0	0
Breeding-22	16/08/2022	VP4	Day	16:15	17:15	N	4	0	7/8	4	0	0
Breeding-22	16/08/2022	VP4	Day	17:15	18:15	N	4	0	7/8	4	0	0
Breeding-22	16/08/2022	VP4	Day	18:15	19:15	N	4	0	7/8	4	0	0
Breeding-22	17/08/2022	VP5	Day	08:45	09:15	NW	3	0	7/8	4	0	0
Breeding-22	17/08/2022	VP5	Day	10:30	11:30	NW	3	0	7/8	4	0	0
Breeding-22	17/08/2022	VP5	Day	11:30	12:30	NW	3	0	7/8	4	0	0
Breeding-22	17/08/2022	VP5	Day	12:30	13:30	NW	3	0	7/8	4	0	0
Breeding-22	23/08/2022	VP5	Day	16:00	17:00	WSW	3	0	6/8	4	0	0
Breeding-22	23/08/2022	VP5	Day	17:00	18:30	WSW	3	0	7/8	4	0	0
Breeding-22	30/08/2022	VP6	Day	11:00	12:00	E	4	0	4/8	4	0	0
Breeding-22	30/08/2022	VP6	Day	12:00	13:00	E	4	0	6/8	4	0	0
Breeding-22	30/08/2022	VP6	Day	13:00	14:00	E	4	0	5/8	4	0	0
Breeding-22	30/08/2022	VP6	Day	16:20	17:20	E	4	0	2/8	4	0	0
Breeding-22	30/08/2022	VP6	Day	17:20	18:20	E	3	0	2/8	4	0	0
Breeding-22	30/08/2022	VP6	Day	18:20	19:20	E	3	0	2/8	4	0	0
Breeding-22	31/08/2022	VP7	Day	11:00	12:00	ENE	3	0	6/8	4	0	0
Breeding-22	31/08/2022	VP7	Day	12:00	13:00	ENE	3	0	6/8	4	0	0
Breeding-22	31/08/2022	VP7	Day	13:00	14:00	ENE	3	0	5/8	4	0	0
Breeding-22	31/08/2022	VP7	Day	15:00	16:00	ENE	3	0	5/8	4	0	0
Breeding-22	31/08/2022	VP7	Day	16:00	17:00	ENE	3	0	6/8	4	0	0
Breeding-22	31/08/2022	VP7	Day	17:00	18:00	ENE	3	0	6/8	4	0	0
Breeding-22	05/08/2022	VP10	Day	10:45	11:45	NW	3	0	6/8	4	0	0
Breeding-22	05/08/2022	VP10	Day	11:45	12:45	NW	2	0	4/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	05/08/2022	VP10	Day	12:45	13:45	NW	3	0	5/8	4	0	0
Breeding-22	05/08/2022	VP10	Day	13:45	14:45	NW	1	0	7/8	4	0	0
Breeding-22	05/08/2022	VP10	Day	14:45	15:45	NW	1	0	7/8	4	0	0
Breeding-22	05/08/2022	VP10	Day	15:45	16:45	NW	1	0	8/8	4	0	0
Breeding-22	08/08/2022	VP9	Day	10:30	11:30	S	1	0	6/8	4	0	0
Breeding-22	08/08/2022	VP9	Day	11:30	12:30	S	1	0	4/8	4	0	0
Breeding-22	08/08/2022	VP9	Day	12:30	13:30	S	3	0	3/8	4	0	0
Breeding-22	08/08/2022	VP9	Day	13:30	14:30	SW	3	0	2/8	4	0	0
Breeding-22	08/08/2022	VP9	Day	14:30	15:30	SW	3	0	3/8	4	0	0
Breeding-22	08/08/2022	VP9	Day	15:30	16:30	SW	3	0	3/8	4	0	0
Breeding-22	09/08/2022	VP11	Day	10:45	11:45	S	1	0	1/8	4	0	0
Breeding-22	09/08/2022	VP11	Day	11:45	12:45	S	1	0	1/8	4	0	0
Breeding-22	09/08/2022	VP11	Day	12:45	13:45	S	1	0	1/8	4	0	0
Breeding-22	09/08/2022	VP11	Day	13:45	14:45	S	1	0	1/8	4	0	0
Breeding-22	09/08/2022	VP11	Day	14:45	15:45	S	1	0	1/8	4	0	0
Breeding-22	09/08/2022	VP11	Day	15:45	16:45	S	1	0	2/8	4	0	0
Breeding-22	17/08/2022	VP8	Day	10:40	11:40	NW	1	0	1/8	4	0	0
Breeding-22	17/08/2022	VP8	Day	11:40	12:40	NW	1	0	1/8	4	0	0
Breeding-22	17/08/2022	VP8	Day	12:40	13:40	NW	1	0	2/8	4	0	0
Breeding-22	17/08/2022	VP8	Day	13:40	14:40	NW	1	0	5/8	4	0	0
Breeding-22	17/08/2022	VP8	Day	14:40	15:40	SW	1	0	3/8	4	0	0
Breeding-22	17/08/2022	VP8	Day	15:40	16:40	SW	1	0	3/8	4	0	0
Breeding-22	06/09/2022	VP3	Day	11:30	12:30	ESE	4	0	7/8	4	0	0
Breeding-22	06/09/2022	VP3	Day	12:30	13:30	ESE	4	3	8/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	06/09/2022	VP3	Day	13:30	14:30	ESE	4	3	8/8	4	0	0
Breeding-22	06/09/2022	VP3	Day	15:00	16:00	SE	4	3	7/8	4	0	0
Breeding-22	06/09/2022	VP3	Day	16:00	17:00	SE	4	0	7/8	4	0	0
Breeding-22	06/09/2022	VP3	Day	17:00	18:00	SE	4	0	8/8	4	0	0
Breeding-22	08/09/2022	VP2	Day	09:05	10:05	NE	3	0	8/8	4	0	0
Breeding-22	08/09/2022	VP2	Day	10:05	11:05	NE	4	0	7/8	4	0	0
Breeding-22	08/09/2022	VP2	Day	11:05	12:05	NE	4	0	8/8	4	0	0
Breeding-22	08/09/2022	VP2	Day	13:25	14:25	NE	4	0	8/8	4	0	0
Breeding-22	08/09/2022	VP2	Day	14:25	15:25	NE	4	0	7/8	4	0	0
Breeding-22	08/09/2022	VP2	Day	15:25	16:25	NE	4	0	7/8	4	0	0
Breeding-22	26/09/2022	VP4	Day	12:30	13:30	NW	5	3	8/8	4	0	0
Breeding-22	26/09/2022	VP4	Day	13:30	14:30	NW	5	0	7/8	4	0	0
Breeding-22	26/09/2022	VP4	Day	14:30	15:30	NW	5	0	7/8	4	0	0
Breeding-22	26/09/2022	VP4	Day	16:30	17:30	NW	5	0	7/8	4	0	0
Breeding-22	26/09/2022	VP4	Day	17:30	18:30	NW	5	0	7/8	4	0	0
Breeding-22	26/09/2022	VP4	Day	18:30	19:30	NW	5	0	7/8	4	0	0
Breeding-22	27/09/2022	VP1	Day	11:50	12:50	WNW	4	3	8/8	4	0	0
Breeding-22	27/09/2022	VP1	Day	12:50	13:50	WNW	4	3	8/8	4	0	0
Breeding-22	27/09/2022	VP1	Day	13:50	14:50	WNW	4	4	8/8	4	0	0
Breeding-22	27/09/2022	VP1	Day	15:50	16:50	WNW	3	4	8/8	4	0	0
Breeding-22	27/09/2022	VP1	Day	16:50	17:50	WNW	3	0	8/8	4	0	0
Breeding-22	27/09/2022	VP1	Day	17:50	18:50	WNW	3	0	8/8	4	0	0
Breeding-22	28/09/2022	VP6	Day	08:40	09:40	WNW	3	0	8/8	4	0	0
Breeding-22	28/09/2022	VP6	Day	09:40	10:40	WNW	3	0	8/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	28/09/2022	VP6	Day	10:40	11:40	WNW	3	0	8/8	4	0	0
Breeding-22	28/09/2022	VP6	Day	12:10	13:10	WNW	3	0	8/8	4	0	0
Breeding-22	28/09/2022	VP6	Day	13:10	14:10	NW	3	2	8/8	4	0	0
Breeding-22	28/09/2022	VP6	Day	14:10	15:10	NW	3	3	8/8	4	0	0
Breeding-22	29/09/2022	VP5	Day	08:30	09:30	NW	2	0	7/8	4	0	0
Breeding-22	29/09/2022	VP5	Day	09:30	10:30	NW	2	0	7/8	4	0	0
Breeding-22	29/09/2022	VP5	Day	10:30	11:30	NW	2	0	7/8	4	0	0
Breeding-22	29/09/2022	VP5	Day	12:50	13:50	NW	2	0	7/8	4	0	0
Breeding-22	29/09/2022	VP5	Day	13:50	14:50	NW	2	0	6/8	4	0	0
Breeding-22	29/09/2022	VP5	Day	14:50	15:50	NW	2	0	7/8	4	0	0
Breeding-22	29/09/2022	VP7	Day	16:40	17:40	NW	3	0	7/8	4	0	0
Breeding-22	29/09/2022	VP7	Day	17:40	18:40	NW	2	0	7/8	4	0	0
Breeding-22	29/09/2022	VP7	Day	18:40	19:10	NW	2	0	7/8	4	0	0
Breeding-22	30/09/2022	VP7	Day	12:20	15:50	SW	4	1	8/8	4	0	0
Breeding-22	05/09/2022	VP10	Day	12:40	13:40	SE	4	0	5/8	4	0	0
Breeding-22	05/09/2022	VP10	Day	13:40	14:40	SE	4	0	7/8	4	0	0
Breeding-22	05/09/2022	VP10	Day	14:40	15:40	SE	4	0	7/8	4	0	0
Breeding-22	05/09/2022	VP10	Day	15:40	16:40	SE	4	3	8/8	4	0	0
Breeding-22	05/09/2022	VP10	Day	16:40	17:40	SE	4	0	8/8	4	0	0
Breeding-22	05/09/2022	VP10	Day	17:40	18:40	SE	4	0	8/8	4	0	0
Breeding-22	08/09/2022	VP9	Day	09:30	10:30	N	3	0	7/8	4	0	0
Breeding-22	08/09/2022	VP9	Day	10:30	11:30	N	3	0	7/8	4	0	0
Breeding-22	08/09/2022	VP9	Day	11:30	12:30	N	3	0	6/8	4	0	0
Breeding-22	12/09/2022	VP9	Day	14:40	15:40	N	2	0	7/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	12/09/2022	VP9	Day	15:40	16:40	N	2	0	8/8	4	0	0
Breeding-22	12/09/2022	VP9	Day	16:40	17:40	N	2	0	8/8	4	0	0
Breeding-22	08/09/2022	VP8	Day	12:40	13:40	N	3	0	5/8	4	0	0
Breeding-22	08/09/2022	VP8	Day	13:40	14:40	N	3	0	4/8	4	0	0
Breeding-22	08/09/2022	VP8	Day	14:40	15:40	N	2	0	5/8	4	0	0
Breeding-22	12/09/2022	VP8	Day	11:20	12:20	N	1	0	8/8	4	0	0
Breeding-22	12/09/2022	VP8	Day	12:20	13:20	N	1	0	8/8	4	0	0
Breeding-22	12/09/2022	VP8	Day	13:20	14:20	N	1	0	8/8	4	0	0
Breeding-22	16/09/2022	VP11	Day	11:05	12:05	N	1	0	1/8	4	0	0
Breeding-22	16/09/2022	VP11	Day	12:05	13:05	N	2	0	3/8	4	0	0
Breeding-22	16/09/2022	VP11	Day	13:05	14:05	N	2	0	4/8	4	0	0
Breeding-22	16/09/2022	VP11	Day	14:35	15:35	N	2	0	5/8	4	0	0
Breeding-22	16/09/2022	VP11	Day	15:35	16:35	N	2	0	6/8	4	0	0
Breeding-22	16/09/2022	VP11	Day	16:35	17:35	N	2	0	6/8	4	0	0
Winter-22	04/10/2022	VP8	Dawn	07:35	08:35	SW	1	1	8/8	3	0	0
Winter-22	04/10/2022	VP8	Dawn	08:35	09:35	SW	1	2	8/8	3	0	0
Winter-22	04/10/2022	VP8	Dawn	09:35	10:35	W	1	0	8/8	4	0	0
Winter-22	04/10/2022	VP8	Dawn	15:00	16:00	SW	1	0	8/8	4	0	0
Winter-22	04/10/2022	VP8	Dawn	16:00	17:00	SW	1	0	8/8	4	0	0
Winter-22	04/10/2022	VP8	Dawn	17:00	18:00	SW	1	1	8/8	4	0	0
Winter-22	05/10/2022	VP7	Dawn	07:30	08:30	S	2	0	8/8	3	0	0
Winter-22	05/10/2022	VP7	Dawn	08:30	09:30	SW	2	1	8/8	4	0	0
Winter-22	05/10/2022	VP7	Dawn	09:30	10:30	SW	2	1	8/8	4	0	0
Winter-22	05/10/2022	VP7	Dawn	14:50	15:50	W	2	1	3/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-22	05/10/2022	VP7	Dawn	15:50	16:50	W	2	0	7/8	4	0	0
Winter-22	05/10/2022	VP7	Dawn	16:50	17:50	W	2	0	4/8	4	0	0
Winter-22	06/10/2022	VP9	Dawn	07:25	08:25	SW	3	0	7/8	3	0	0
Winter-22	06/10/2022	VP9	Dawn	08:25	09:25	SW	4	0	5/8	4	0	0
Winter-22	06/10/2022	VP9	Dawn	09:25	10:25	SW	4	0	8/8	4	0	0
Winter-22	06/10/2022	VP9	Dawn	15:00	16:00	SW	4	0	6/8	4	0	0
Winter-22	06/10/2022	VP9	Dawn	16:00	17:00	SW	5	1	7/8	4	0	0
Winter-22	06/10/2022	VP9	Dawn	17:00	18:00	SW	5	1	8/8	4	0	0
Winter-22	12/10/2022	VP10	Dawn	07:45	08:45	W	2	1	8/8	3	0	0
Winter-22	12/10/2022	VP10	Dawn	08:45	09:45	W	2	0	7/8	4	0	0
Winter-22	12/10/2022	VP10	Dawn	09:45	10:45	W	2	0	7/8	4	0	0
Winter-22	12/10/2022	VP10	Dawn	11:15	12:15	W	3	0	8/8	4	0	0
Winter-22	12/10/2022	VP10	Dawn	12:15	13:15	W	2	0	7/8	4	0	0
Winter-22	12/10/2022	VP10	Dawn	13:15	14:15	W	2	0	7/8	4	0	0
Winter-22	13/10/2022	VP11	Dawn	07:30	08:30	SE	1	0	4/8	3	0	0
Winter-22	13/10/2022	VP11	Dawn	08:30	09:30	SE	2	0	3/8	4	0	0
Winter-22	13/10/2022	VP11	Dawn	09:30	10:30	SE	2	0	3/8	4	0	0
Winter-22	13/10/2022	VP11	Dawn	11:00	12:00	S	3	0	4/8	4	0	0
Winter-22	13/10/2022	VP11	Dawn	12:00	13:00	S	4	0	8/8	4	0	0
Winter-22	13/10/2022	VP11	Dawn	13:00	14:00	S	3	1	8/8	4	0	0
Winter-22	05/10/2022	VP1	Dusk	16:35	19:35	N	1 to 4	0	1-4	4	0	0
Winter-22	07/10/2022	VP3	Day	10:10	13:10	SW	1 to 3	4	1-5	3 to 4	0	0
Winter-22	07/10/2022	VP3	Day	16:00	19:00	SW	2 to 3	0	2-3	4	0	0
Winter-22	08/10/2022	VP4	Day	12:10	18:10	-	1 to 2	0	2-7	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-22	09/10/2022	VP1	Day	09:15	12:15	N	2 to 3	0-2	8	3 to 4	0	0
Winter-22	12/10/2022	VP5	Day	09:40	12:40	-	2	0	2-3	4	0	0
Winter-22	17/10/2022	VP5	Day	10:00	13:00	SW	3 to 5	0	5-6	4	0	0
Winter-22	18/10/2022	VP6	Day	09:35	12:35	-	0 to 1	0	1-2	4	0	0
Winter-22	19/10/2022	VP6	Day	10:40	13:40	E	3 to 4	3	8	3 to 4	0	0
Winter-22	25/10/2022	VP2	Day	14:00	17:00	SE	2 to 4	0 - 3	6 to 7	4	0	0
Winter-22	31/10/2022	VP2	Day	08:10	11:10	-	2	4	8	2 to 3	0	0
Winter-22	03/11/2022	VP8	Dusk	11:00	12:00	SE	1	0	1/8	4	0	0
Winter-22	03/11/2022	VP8	Dusk	12:00	13:00	SE	1	0	2/8	4	0	0
Winter-22	03/11/2022	VP8	Dusk	13:00	14:00	SE	1	0	4/8	4	0	0
Winter-22	03/11/2022	VP8	Dusk	14:30	15:30	SE	1	0	4/8	4	0	0
Winter-22	03/11/2022	VP8	Dusk	15:30	16:30	SE	1	0	4/8	4	0	0
Winter-22	03/11/2022	VP8	Dusk	16:30	17:30	SE	1	0	3/8	4	0	0
Winter-22	04/11/2022	VP10	Day	09:00	10:00	SW	1	0	8/8	3	0	0
Winter-22	04/11/2022	VP10	Day	10:00	11:00	SW	2	0	7/8	4	0	0
Winter-22	04/11/2022	VP10	Day	11:00	12:00	SW	2	0	8/8	4	0	0
Winter-22	04/11/2022	VP10	Day	12:30	13:30	W	3	0	8/8	4	0	0
Winter-22	04/11/2022	VP10	Day	13:30	14:30	W	3	0	8/8	4	0	0
Winter-22	04/11/2022	VP10	Day	14:30	15:30	SW	2	0	8/8	4	0	0
Winter-22	07/11/2022	VP7	Day	09:00	10:00	S	3	0	7/8	3	0	0
Winter-22	07/11/2022	VP7	Day	10:00	11:00	S	2	1	8/8	4	0	0
Winter-22	07/11/2022	VP7	Day	11:00	12:00	S	3	0	8/8	4	0	0
Winter-22	07/11/2022	VP7	Day	12:20	13:20	S	3	1	8/8	4	0	0
Winter-22	07/11/2022	VP7	Day	13:20	14:20	S	4	1	8/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-22	07/11/2022	VP7	Day	14:20	15:20	S	4	1	8/8	4	0	0
Winter-22	14/11/2022	VP11	Dusk	10:40	11:40	S	2	0	3/8	3	0	0
Winter-22	14/11/2022	VP11	Dusk	11:40	12:40	S	3	0	1/8	4	0	0
Winter-22	14/11/2022	VP11	Dusk	12:40	13:40	S	3	0	2/8	4	0	0
Winter-22	14/11/2022	VP11	Dusk	14:10	15:10	S	4	0	2/8	4	0	0
Winter-22	14/11/2022	VP11	Dusk	15:10	16:10	SE	3	0	1/8	4	0	0
Winter-22	14/11/2022	VP11	Dusk	16:10	17:10	SE	4	0	2/8	3	0	0
Winter-22	15/11/2022	VP9	Day	09:00	10:00	S	1	0	1/8	3	0	0
Winter-22	15/11/2022	VP9	Day	10:00	11:00	S	1	0	1/8	4	0	0
Winter-22	15/11/2022	VP9	Day	11:00	12:00	S	1	0	1/8	4	0	0
Winter-22	15/11/2022	VP9	Day	12:10	13:10	S	1	0	1/8	4	0	0
Winter-22	15/11/2022	VP9	Day	13:10	14:10	S	2	0	1/8	4	0	0
Winter-22	15/11/2022	VP9	Day	14:10	15:10	S	1	0	4/8	4	0	0
Winter-22	14/11/2022	VP1	Day	09:20	15:20	SE	2	0	1/8 2/8	4	0	0
Winter-22	18/11/2022	VP2	Day	09:25	15:25	NW	1	1	1/8 2/8	4	0	0
Winter-22	05/11/2022	VP3	Dawn	07:50	10:50	-	1	0	2/8 - 6/8	4	0	0
Winter-22	05/11/2022	VP3	Day	11:50	14:50	-	1	0	1/8 - 2/8	4	0	0
Winter-22	11/11/2022	VP4	Day	10:40	13:40	SW	4-5	0	7/8 - 8/8	3/4	0	0
Winter-22	13/11/2022	VP4	Day	12:10	15:10	SE	4	1	6/8 - 7/8	3/4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-22	28/11/2022	VP5	Dawn	08:30	11:30	NW	4	0	4/8 5/8	4	0	0
Winter-22	28/11/2022	VP5	Day	12:45	15:45	NW	2	0	2/8-3/8	4	0	0
Winter-22	21/11/2022	VP6	Dawn	08:00	14:00	SW	1	1	5/8 - 8/8	4	0	0
Winter-22	01/12/2022	VP10	Dawn	07:45	08:45	SE	3	0	8/8	3	0	0
Winter-22	01/12/2022	VP10	Dawn	08:45	09:45	SE	3	0	8/8	4	0	0
Winter-22	01/12/2022	VP10	Dawn	09:45	10:45	S	3	0	6/8	4	0	0
Winter-22	01/12/2022	VP10	Dawn	11:15	12:15	S	3	0	8/8	4	0	0
Winter-22	01/12/2022	VP10	Dawn	12:15	13:15	S	4	0	8/8	4	0	0
Winter-22	01/12/2022	VP10	Dawn	13:15	14:15	S	3	1	7/8	4	0	0
Winter-22	02/12/2022	VP9	Dusk	10:30	11:30	SE	3	0	8/8	3	0	0
Winter-22	02/12/2022	VP9	Dusk	11:30	12:30	SE	2	0	6/8	4	0	0
Winter-22	02/12/2022	VP9	Dusk	12:30	13:30	SE	2	0	7/8	4	0	0
Winter-22	02/12/2022	VP9	Dusk	14:00	15:00	SE	2	0	7/8	4	0	0
Winter-22	02/12/2022	VP9	Dusk	15:00	16:00	SE	2	0	7/8	4	0	0
Winter-22	02/12/2022	VP9	Dusk	16:00	17:00	SE	2	0	7/8	3	0	0
Winter-22	05/12/2022	VP8	Day	08:30	09:30	NE	1	1	7/8	4	0	0
Winter-22	05/12/2022	VP8	Day	09:30	10:30	NE	3	0	7/8	4	0	0
Winter-22	05/12/2022	VP8	Day	10:30	11:30	NE	3	0	7/8	4	0	0
Winter-22	05/12/2022	VP8	Day	12:00	13:00	NE	2	0	6/8	4	0	0
Winter-22	05/12/2022	VP8	Day	13:00	14:00	NE	2	1	5/8	4	0	0
Winter-22	05/12/2022	VP8	Day	14:00	15:00	NE	3	1	7/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-22	06/12/2022	VP11	Day	08:30	09:30	N	2	0	2/8	4	1	0
Winter-22	06/12/2022	VP11	Day	09:30	10:30	N	2	0	1/8	4	1	0
Winter-22	06/12/2022	VP11	Day	10:30	11:30	N	2	0	1/8	4	0	0
Winter-22	06/12/2022	VP11	Day	12:00	13:00	N	3	0	1/8	4	0	0
Winter-22	06/12/2022	VP11	Day	13:00	14:00	N	2	0	1/8	4	0	0
Winter-22	06/12/2022	VP11	Day	14:00	15:00	N	3	0	1/8	4	0	0
Winter-22	19/12/2022	VP7	Dusk	10:25	11:25	S	4	3	8/8	3	0	0
Winter-22	19/12/2022	VP7	Dusk	11:25	12:25	SW	5	3	7/8	4	0	0
Winter-22	19/12/2022	VP7	Dusk	12:25	13:25	SW	4	0	7/8	4	0	0
Winter-22	19/12/2022	VP7	Dusk	13:55	14:55	SW	4	0	3/8	4	0	0
Winter-22	19/12/2022	VP7	Dusk	14:55	15:55	SW	4	0	3/8	4	0	0
Winter-22	19/12/2022	VP7	Dusk	15:55	16:55	SW	4	0	2/8	3	0	0
Winter-22	16/12/2022	VP1	Day	09:00	12:00	-	1	0	1	4	1	0
Winter-22	16/12/2022	VP1	Dusk	13:30	16:30	-	1	0	1	4	1	0
Winter-22	21/12/2022	VP2	Day	09:20	12:20	SW	3	0	4	4	0	0
Winter-22	21/12/2022	VP2	Dusk	13:30	16:30	SW	2	0	2	4	0	0
Winter-22	11/12/2022	VP3	Day	09:15	12:15	-	1	0	2	4	1	0
Winter-22	11/12/2022	VP3	Day	13:10	16:10	-	1	0	2	4	1	0
Winter-22	19/12/2022	VP4	Day	08:45	11:45	N	4	3	8	4	0	0
Winter-22	19/12/2022	VP4	Day	13:00	16:00	N	2	1	3-7	4	0	0
Winter-22	30/12/2022	VP5	Day	09:25	12:25	SW	3	0-4	3-7	4	0	0
Winter-22	30/12/2022	VP5	Day	13:20	16:20	SW	3	1	6	4	0	0
Winter-22	20/12/2022	VP6	Day	09:20	12:20	SW	2-3	0-4	2-5	3-4	0	0
Winter-22	20/12/2022	VP6	Dusk	13:30	16:30	SW	1-4	0-4	3-8	3-4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	09/01/2023	VP1	Day	09:25	12:25	W	2	0	2	4	0	0
Winter-23	09/01/2023	VP1	Dusk	13:40	16:40	W	2	3	3	4	0	0
Winter-23	13/01/2023	VP2	Dawn	08:30	11:30	SW	2	0	3	4	0	0
Winter-23	13/01/2023	VP2	Day	12:45	15:45	SW	2	3	7	4	0	0
Winter-23	08/01/2023	VP3	Day	09:30	12:30	SW	2	0	8	4	0	0
Winter-23	08/01/2023	VP3	Day	13:35	16:35	SW	1	1	7	4	0	0
Winter-23	16/01/2023	VP4	Day	09:00	12:00	-	1	0	2	4	0	0
Winter-23	16/01/2023	VP4	Day	13:45	16:45	-	1	0	4	4	0	0
Winter-23	20/01/2023	VP5	Day	09:35	12:35	SE	0	0	3	4	0	0
Winter-23	20/01/2023	VP5	Day	13:30	16:30	SE	0	0	6	4	0	0
Winter-23	18/01/2023	VP6	Day	09:35	12:35	-	2	0	6	4	0	0
Winter-23	18/01/2023	VP6	Day	13:30	16:30	-	1	0	5	4	0	0
Winter-23	09/01/2023	VP10	Dusk	10:45	11:45	W	2	1	2/8	4	0	0
Winter-23	09/01/2023	VP10	Dusk	11:45	12:45	W	3	0	3/8	4	0	0
Winter-23	09/01/2023	VP10	Dusk	12:45	13:45	W	5	0	4/8	4	0	0
Winter-23	09/01/2023	VP10	Dusk	14:10	15:10	W	5	1	7/8	4	0	0
Winter-23	09/01/2023	VP10	Dusk	15:10	16:10	W	5	0	7/8	4	0	0
Winter-23	09/01/2023	VP10	Dusk	16:10	17:10	W	5	1	7/8	3	0	0
Winter-23	11/01/2023	VP8	Dawn	08:10	09:10	SW	4	0	8/8	3	0	0
Winter-23	11/01/2023	VP8	Dawn	09:10	10:10	SW	5	1	8/8	4	0	0
Winter-23	11/01/2023	VP8	Dawn	10:10	11:10	SW	4	0	7/8	4	0	0
Winter-23	11/01/2023	VP8	Dawn	11:40	12:40	SW	3	1	6/8	4	0	0
Winter-23	11/01/2023	VP8	Dawn	12:40	13:40	SW	3	0	6/8	4	0	0
Winter-23	11/01/2023	VP8	Dawn	13:40	14:40	SW	4	0	8/8	3	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	16/01/2023	VP9	Dawn	08:10	09:10	W	3	0	3/8	3	1	0
Winter-23	16/01/2023	VP9	Dawn	09:10	10:10	W	4	0	3/8	4	1	0
Winter-23	16/01/2023	VP9	Dawn	10:10	11:10	W	4	0	3/8	4	1	0
Winter-23	16/01/2023	VP9	Dawn	11:40	12:40	W	4	0	2/8	4	1	0
Winter-23	16/01/2023	VP9	Dawn	12:40	13:40	W	4	0	2/8	4	1	0
Winter-23	16/01/2023	VP9	Dawn	13:40	14:40	W	4	0	2/8	4	1	0
Winter-23	19/01/2023	VP7	Dusk	10:50	11:50	W	1	0	1/8	4	1	0
Winter-23	19/01/2023	VP7	Dusk	11:50	12:50	W	1	0	1/8	4	1	0
Winter-23	19/01/2023	VP7	Dusk	12:50	13:50	W	1	0	1/8	4	1	0
Winter-23	19/01/2023	VP7	Dusk	14:20	15:20	W	1	0	1/8	4	1	0
Winter-23	19/01/2023	VP7	Dusk	15:20	16:20	W	1	0	1/8	4	1	0
Winter-23	19/01/2023	VP7	Dusk	16:20	17:20	W	1	0	1/8	3	1	0
Winter-23	20/01/2023	VP11	Dawn	08:10	09:10	E	4	0	4/8	3	1	0
Winter-23	20/01/2023	VP11	Dawn	09:10	10:10	E	5	0	3/8	4	1	0
Winter-23	20/01/2023	VP11	Dawn	10:10	11:10	E	4	0	2/8	4	1	0
Winter-23	20/01/2023	VP11	Dawn	12:30	13:30	SE	4	0	5/8	4	1	0
Winter-23	20/01/2023	VP11	Dawn	13:30	14:30	SE	4	0	5/8	4	1	0
Winter-23	20/01/2023	VP11	Dawn	14:30	15:30	SE	4	0	5/8	3	1	0
Winter-23	02/02/2023	VP10	Day	08:40	09:40	SW	4	0	8/8	4	0	0
Winter-23	02/02/2023	VP10	Day	09:40	10:40	SW	4	0	8/8	4	0	0
Winter-23	02/02/2023	VP10	Day	10:40	11:40	SW	4	0	7/8	4	0	0
Winter-23	02/02/2023	VP10	Day	12:10	13:10	SW	4	0	8/8	4	0	0
Winter-23	02/02/2023	VP10	Day	13:10	14:10	SW	4	0	8/8	4	0	0
Winter-23	02/02/2023	VP10	Day	14:10	15:10	SW	4	0	8/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	09/02/2023	VP9	Dusk	11:30	12:30	SW	3	0	4/8	4	0	0
Winter-23	09/02/2023	VP9	Dusk	12:30	13:30	SW	3	0	3/8	4	0	0
Winter-23	09/02/2023	VP9	Dusk	13:30	14:30	SW	4	0	3/8	4	0	0
Winter-23	09/02/2023	VP9	Dusk	15:05	16:05	SW	4	0	7/8	4	0	0
Winter-23	09/02/2023	VP9	Dusk	16:05	17:05	SW	4	0	8/8	4	0	0
Winter-23	09/02/2023	VP9	Dusk	17:05	18:05	SW	3	0	8/8	3	0	0
Winter-23	13/02/2023	VP11	Dawn	07:30	08:30	SE	4	0	8/8	3	0	0
Winter-23	13/02/2023	VP11	Dawn	08:30	09:30	SE	4	0	8/8	4	0	0
Winter-23	13/02/2023	VP11	Dawn	09:30	10:30	SE	4	0	8/8	4	0	0
Winter-23	13/02/2023	VP11	Dawn	11:00	12:00	S	3	0	6/8	4	0	0
Winter-23	13/02/2023	VP11	Dawn	12:00	13:00	S	3	0	6/8	4	0	0
Winter-23	13/02/2023	VP11	Dawn	13:00	14:00	S	4	0	5/8	4	0	0
Winter-23	14/02/2023	VP7	Dusk	11:40	12:40	S	4	0	7/8	4	0	0
Winter-23	14/02/2023	VP7	Dusk	12:40	13:40	S	4	0	7/8	4	0	0
Winter-23	14/02/2023	VP7	Dusk	13:40	14:40	S	4	0	7/8	4	0	0
Winter-23	14/02/2023	VP7	Dusk	15:10	16:10	S	4	0	7/8	4	0	0
Winter-23	14/02/2023	VP7	Dusk	16:10	17:10	S	4	0	7/8	4	0	0
Winter-23	14/02/2023	VP7	Dusk	17:10	18:10	S	4	0	7/8	3	0	0
Winter-23	15/02/2023	VP8	Dusk	11:40	12:40	S	4	0	7/8	4	0	0
Winter-23	15/02/2023	VP8	Dusk	12:40	13:40	S	4	0	8/8	4	0	0
Winter-23	15/02/2023	VP8	Dusk	13:40	14:40	S	4	0	8/8	4	0	0
Winter-23	15/02/2023	VP8	Dusk	15:10	16:10	S	4	0	8/8	4	0	0
Winter-23	15/02/2023	VP8	Dusk	16:10	17:10	S	4	0	8/8	4	0	0
Winter-23	15/02/2023	VP8	Dusk	17:10	18:10	S	4	3	8/8	3	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	06/02/2023	VP1	Day	10:00	13:00	SW	3	0	6	4	0	0
Winter-23	06/02/2023	VP1	Day	14:00	17:00	SW	2	0	8	4	0	0
Winter-23	17/02/2023	VP2	Day	08:10	11:10	SW	1	2	8	4	0	0
Winter-23	17/02/2023	VP2	Day	12:20	15:20	SW	2	0	8	4	0	0
Winter-23	10/02/2023	VP3	Day	08:30	11:30	-	0	0	8	4	0	0
Winter-23	10/02/2023	VP3	Day	12:00	15:00	-	1	1	8	3	0	0
Winter-23	13/02/2023	VP4	Day	09:15	12:15	SE	3	0	7	4	0	0
Winter-23	13/02/2023	VP4	Dusk	14:25	17:25	SE	3	0	4	4	0	0
Winter-23	24/02/2023	VP5	Day	07:45	10:45	NW	2	0	7	4	0	0
Winter-23	24/02/2023	VP5	Day	11:40	14:40	NW	2	2	7	3	0	0
Winter-23	27/02/2023	VP6	Day	08:30	11:30	-	0	0	8	4	0	0
Winter-23	27/02/2023	VP6	Day	12:05	15:05	-	0	0	8	4	0	0
Winter-23	07/03/2023	VP1	Day	08:25	11:25	NE	1	0	0/1	4	1	0
Winter-23	07/03/2023	VP1	Day	13:25	16:25	NE	1	0	2/3	4	0	0
Winter-23	10/03/2023	VP2	Day	09:15	12:15	n/a	1	0	5	4	0	1
Winter-23	10/03/2023	VP2	Day	13:10	16:10	n/a	1	0	5	4	0	0
Winter-23	06/03/2023	VP3	Day	07:40	10:40	n/a	0	0	8	4	0	0
Winter-23	06/03/2023	VP3	Day	11:40	14:40	n/a	0	0	8	4	0	0
Winter-23	21/03/2023	VP4	Day	08:05	11:05	SW	2	1	7	4	0	0
Winter-23	21/03/2023	VP4	Day	12:45	15:45	SW	2	3	8	3	0	0
Winter-23	29/03/2023	VP5	Day	09:35	12:35	SSE	3	2	8	3	0	0
Winter-23	29/03/2023	VP5	Day	13:40	16:40	SSE	2	0	8	3	0	0
Winter-23	28/03/2023	VP6	Day	09:35	12:35	SSW	2	1	8	4	0	0
Winter-23	28/03/2023	VP6	Day	13:15	16:15	SSW	2	2	8	3	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	07/03/2023	VP10	Dusk	12:20	13:20	N	2	0	3/8	4	0	0
Winter-23	07/03/2023	VP10	Dusk	13:20	14:20	N	1	0	4/8	4	0	0
Winter-23	07/03/2023	VP10	Dusk	14:20	15:20	N	1	0	3/8	4	0	0
Winter-23	07/03/2023	VP10	Dusk	15:50	16:50	N	1	0	3/8	4	0	0
Winter-23	07/03/2023	VP10	Dusk	16:50	17:50	N	1	0	1/8	4	0	0
Winter-23	07/03/2023	VP10	Dusk	17:50	18:50	N	1	0	1/8	3	0	0
Winter-23	08/03/2023	VP7	Day	10:10	11:10	NE	4	0	7/8	4	0	0
Winter-23	08/03/2023	VP7	Day	11:10	12:10	NE	4	0	7/8	4	0	0
Winter-23	08/03/2023	VP7	Day	12:10	13:10	NE	4	0	7/8	4	0	0
Winter-23	08/03/2023	VP7	Day	13:40	14:40	E	4	0	7/8	4	0	0
Winter-23	08/03/2023	VP7	Day	14:40	15:40	E	4	0	7/8	4	0	0
Winter-23	08/03/2023	VP7	Day	15:40	16:40	E	3	0	7/8	4	0	0
Winter-23	14/03/2023	VP9	Dusk	12:40	13:40	W	4	1	6/8	4	0	0
Winter-23	14/03/2023	VP9	Dusk	13:40	14:40	W	4	1	6/8	4	0	0
Winter-23	14/03/2023	VP9	Dusk	14:40	15:40	W	4	1	8/8	4	0	0
Winter-23	14/03/2023	VP9	Dusk	16:10	17:10	NW	3	1	6/8	4	0	0
Winter-23	14/03/2023	VP9	Dusk	17:10	18:10	NW	3	0	6/8	4	0	0
Winter-23	14/03/2023	VP9	Dusk	18:10	19:10	NW	4	0	7/8	3	0	0
Winter-23	15/03/2023	VP8	Day	09:05	10:05	SE	4	3	8/8	4	0	0
Winter-23	15/03/2023	VP8	Day	10:05	11:05	SE	4	3	8/8	4	0	0
Winter-23	15/03/2023	VP8	Day	11:05	12:05	SE	4	3	8/8	4	0	0
Winter-23	15/03/2023	VP8	Day	12:35	13:35	SE	4	3	8/8	4	0	0
Winter-23	15/03/2023	VP8	Day	13:35	14:35	SE	4	0	8/8	4	0	0
Winter-23	15/03/2023	VP8	Day	14:35	15:35	SE	4	3	8/8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	20/03/2023	VP11	Day	12:00	13:00	S	4	0	8/8	4	0	0
Winter-23	20/03/2023	VP11	Day	13:00	14:00	S	4	0	8/8	4	0	0
Winter-23	20/03/2023	VP11	Day	14:00	15:00	S	4	0	8/8	4	0	0
Winter-23	20/03/2023	VP11	Day	15:30	16:30	S	4	0	8/8	4	0	0
Winter-23	20/03/2023	VP11	Day	16:30	17:30	S	4	1	8/8	4	0	0
Winter-23	20/03/2023	VP11	Day	17:30	18:30	S	4	1	8/8	4	0	0
Breeding-23	06/04/2023	VP4	1	14:20	17:20	NW	3	1	6	4	0	0
Breeding-23	06/04/2023	VP4	2	17:50	20:50	NW	2	0	3	4	0	0
Breeding-23	07/04/2023	VP9	1	14:20	17:20	S	4	0	2	4	0	0
Breeding-23	07/04/2023	VP9	2	17:50	20:50	S	3	0	2	4	0	0
Breeding-23	13/04/2023	VP10	1	14:25	17:25	W	4	0	4	4	0	0
Breeding-23	13/04/2023	VP10	2	17:55	20:55	W	4	0	4	4	0	0
Breeding-23	14/04/2023	VP11	1	14:30	17:30	NW	4	1	2	4	0	0
Breeding-23	14/04/2023	VP11	2	18:00	21:00	NW	3	1	3	4	0	0
Breeding-23	04/04/2023	VP1	1	13:45	14:45	S	4	0	8	4	0	0
Breeding-23	04/04/2023	VP1	1	14:45	15:45	S	4	0	8	4	0	0
Breeding-23	04/04/2023	VP1	1	15:45	16:45	S	4	0	8	4	0	0
Breeding-23	04/04/2023	VP1	2	17:15	18:15	S	4	0	8	4	0	0
Breeding-23	04/04/2023	VP1	2	18:15	19:15	S	3	3	8	4	0	0
Breeding-23	04/04/2023	VP1	2	19:15	20:15	S	2	5	8	3	0	0
Breeding-23	05/04/2023	VP3	1	09:30	10:30	SW	2	2	8	3	0	0
Breeding-23	05/04/2023	VP3	1	10:30	11:30	SW	2	2	8	3	0	0
Breeding-23	05/04/2023	VP3	1	11:30	12:30	SW	2	2	8	3	0	0
Breeding-23	05/04/2023	VP3	2	17:20	18:20	W	3	3	7	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-23	05/04/2023	VP3	2	18:20	19:20	W	2	0	6	4	0	0
Breeding-23	05/04/2023	VP3	2	19:20	20:20	W	1	0	6	4	0	0
Breeding-23	06/04/2023	VP2	1	14:20	15:20	WNW	4	0	7	4	0	0
Breeding-23	06/04/2023	VP2	1	15:20	16:20	WNW	4	0	7	4	0	0
Breeding-23	06/04/2023	VP2	1	16:20	17:20	WNW	4	3	6	4	0	0
Breeding-23	07/04/2023	VP2	2	06:50	07:50	SSW	4	0	4	4	0	0
Breeding-23	07/04/2023	VP2	2	07:50	08:50	SSW	4	0	4	4	0	0
Breeding-23	07/04/2023	VP2	2	08:50	09:50	SSW	4	0	4	4	0	0
Breeding-23	13/04/2023	VP5	1	12:00	13:00	WNW	3	0	6	4	0	0
Breeding-23	13/04/2023	VP5	1	13:00	14:00	WNW	4	0	7	4	0	0
Breeding-23	13/04/2023	VP5	1	14:00	15:00	WNW	4	0	6	4	0	0
Breeding-23	13/04/2023	VP5	2	18:00	19:00	W	4	0	7	4	0	0
Breeding-23	13/04/2023	VP5	2	19:00	20:00	W	3	0	6	4	0	0
Breeding-23	13/04/2023	VP5	2	20:00	21:00	W	1	0	6	4	0	0
Breeding-23	14/04/2023	VP6	1	06:00	07:00	NNW	0	0	3	4	0	0
Breeding-23	14/04/2023	VP6	1	07:00	08:00	NW	0	0	1	4	0	0
Breeding-23	14/04/2023	VP6	1	08:00	09:00	WNW	1	0	4	4	0	0
Breeding-23	14/04/2023	VP6	2	09:30	10:30	WNW	2	0	2	4	0	0
Breeding-23	14/04/2023	VP6	2	10:30	11:30	WNW	3	0	4	4	0	0
Breeding-23	14/04/2023	VP6	2	11:30	12:30	WNW	3	0	4	4	0	0
Breeding-23	24/04/2023	VP7	1	14:40	15:40	N	3	0	7	4	0	0
Breeding-23	24/04/2023	VP7	1	15:40	16:40	N	4	0	7	4	0	0
Breeding-23	24/04/2023	VP7	1	16:40	17:40	N	4	0	7	4	0	0
Breeding-23	24/04/2023	VP7	2	18:10	19:10	N	2	0	6	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-23	24/04/2023	VP7	2	19:10	20:10	N	1	0	6	4	0	0
Breeding-23	24/04/2023	VP7	2	20:10	21:10	N	0	0	4	4	0	0
Breeding-23	25/04/2023	VP8	1	18:10	19:10	SSE	2	0	8	4	0	0
Breeding-23	25/04/2023	VP8	1	19:10	20:10	SSE	2	0	8	4	0	0
Breeding-23	25/04/2023	VP8	1	20:10	21:10	SSE	1	0	8	4	0	0
Breeding-23	26/04/2023	VP8	2	13:50	14:50	SSE	3	0	7	4	0	0
Breeding-23	26/04/2023	VP8	2	14:50	15:50	SSE	3	0	7	4	0	0
Breeding-23	26/04/2023	VP8	2	15:50	16:50	SSE	3	0	7	4	0	0
Breeding-23	04/05/2023	VP3	1	05:45	08:45	E	4	0	4	4	0	0
Breeding-23	04/05/2023	VP3	2	12:00	15:00	E	4	0	4	4	0	0
Breeding-23	24/05/2023	VP4	1	05:10	08:10	W	1	0	7	4	0	0
Breeding-23	24/05/2023	VP4	2	11:00	14:00	NW	3	0	7	4	0	0
Breeding-23	09/05/2023	VP2	1	15:10	18:10	W	2	0	7	4	0	0
Breeding-23	09/05/2023	VP2	2	18:40	21:40	W	2	0	7	4	0	0
Breeding-23	10/05/2023	VP6	1	14:40	15:40	SW	2	0	8	4	0	0
Breeding-23	10/05/2023	VP6	1	15:40	16:40	SW	2	3	8	4	0	0
Breeding-23	10/05/2023	VP6	1	16:40	17:40	SW	2	0	8	4	0	0
Breeding-23	10/05/2023	VP6	2	18:10	21:10	SW	2	0	7	4	0	0
Breeding-23	20/05/2023	VP5	1	08:50	11:50	SSE	1	0	6	4	0	0
Breeding-23	20/05/2023	VP5	2	14:35	17:35	SE	2	0	5	4	0	0
Breeding-23	22/05/2023	VP1	1	08:30	11:30	N	3	0	5	4	0	0
Breeding-23	22/05/2023	VP1	2	12:00	15:00	N	3	0	5	4	0	0
Breeding-23	23/05/2023	VP8	1	05:10	08:10	NW	1	0	5	4	0	0
Breeding-23	23/05/2023	VP8	2	09:25	12:25	NW	3	0	4	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-23	25/05/2023	VP7	1	10:00	13:00	N	3	0	7	4	0	0
Breeding-23	25/05/2023	VP7	2	16:30	19:30	NW	3	0	7	4	0	0
Breeding-23	26/05/2023	VP11	1	13:35	16:35	NE	1	0	6	4	0	0
Breeding-23	27/05/2023	VP11	2	05:10	08:10	N	1	0	6	4	0	0
Breeding-23	30/05/2023	VP9	1	05:10	08:10	E	1	0	2	4	0	0
Breeding-23	30/05/2023	VP9	2	14:50	17:50	E	2	0	3	4	0	0
Breeding-23	31/05/2023	VP10	1	05:00	08:00	E	1	0	3	4	0	0
Breeding-23	31/05/2023	VP10	2	08:30	11:30	E	3	0	4	4	0	0
Breeding-23	08/06/2023	VP4	1	14:55	17:55	E	4	0	2	4	0	0
Breeding-23	08/06/2023	VP4	2	18:25	21:25	E	3	0	5	4	0	0
Breeding-23	21/06/2023	VP3	1	12:10	15:10	SW	2	1	7	4	0	0
Breeding-23	21/06/2023	VP3	2	17:40	20:40	W	3	0	4	4	0	0
Breeding-23	05/06/2023	VP7	1	12:50	15:50	E	3	0	4	4	0	0
Breeding-23	05/06/2023	VP7	2	17:40	20:40	E	3	0	1	4	0	0
Breeding-23	08/06/2023	VP6	1	13:30	16:30	E	3	0	4	4	0	0
Breeding-23	08/06/2023	VP6	2	17:40	20:40	E	3	0	4	4	0	0
Breeding-23	15/06/2023	VP2	1	11:00	14:00	SE	3	0	3	4	0	0
Breeding-23	15/06/2023	VP2	2	18:25	21:25	SE	1	2	7	4	0	0
Breeding-23	16/06/2023	VP10	1	07:50	10:50	SE	3	0	7	4	0	0
Breeding-23	16/06/2023	VP10	2	13:15	16:15	SE	4	2	8	4	0	0
Breeding-23	20/06/2023	VP8	1	12:05	15:05	SW	3	0	6	4	0	0
Breeding-23	20/06/2023	VP8	2	16:05	19:05	W	2	0	6	4	0	0
Breeding-23	22/06/2023	VP1	1	08:20	11:20	S	1	0	4	4	0	0
Breeding-23	22/06/2023	VP1	2	12:50	15:50	S	2	0	4	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-23	26/06/2023	VP5	1	12:30	15:30	W	4	2	7	4	0	0
Breeding-23	26/06/2023	VP5	2	17:35	20:35	W	3	0	7	4	0	0
Breeding-23	27/06/2023	VP11	1	06:35	09:35	SW	2	1	7	4	0	0
Breeding-23	27/06/2023	VP11	2	15:35	18:35	SW	3	0	7	4	0	0
Breeding-23	29/06/2023	VP9	1	07:00	10:00	W	1	0	5	4	0	0
Breeding-23	29/06/2023	VP9	2	13:50	16:50	W	3	0	6	4	0	0
Breeding-23	05/07/2023	VP3	1	09:20	12:20	W	3	0	7	4	0	0
Breeding-23	05/07/2023	VP3	2	14:50	17:50	W	4	1	7	4	0	0
Breeding-23	06/07/2023	VP4	1	09:40	12:40	S	4	1	8	4	0	0
Breeding-23	06/07/2023	VP4	2	13:10	16:10	SE	5	3	8	4	0	0
Breeding-23	12/07/2023	VP7	1	11:40	12:40	WNW	4	3	7	4	0	0
Breeding-23	12/07/2023	VP7	1	12:40	13:40	WNW	4	0	6	4	0	0
Breeding-23	12/07/2023	VP7	1	13:40	14:40	WNW	4	0	6	4	0	0
Breeding-23	12/07/2023	VP7	2	16:10	17:10	NW	4	0	6	4	0	0
Breeding-23	12/07/2023	VP7	2	18:00	19:00	NW	4	0	7	4	0	0
Breeding-23	12/07/2023	VP7	2	19:00	20:00	NW	4	0	7	4	0	0
Breeding-23	13/07/2023	VP6	1	09:25	12:25	WNW	3	0	7	4	0	0
Breeding-23	13/07/2023	VP6	2	13:20	15:20	W	3	0	7	4	0	0
Breeding-23	13/07/2023	VP6	2	15:20	16:20	W	3	3	7	4	0	0
Breeding-23	14/07/2023	VP1	1	09:30	12:30	E	3	4	8	3	0	0
Breeding-23	14/07/2023	VP1	2	13:30	14:30	E	3	4	8	3	0	0
Breeding-23	14/07/2023	VP1	2	14:30	15:30	E	3	3	8	3	0	0
Breeding-23	14/07/2023	VP1	2	15:30	16:30	E	3	2	8	4	0	0
Breeding-23	20/07/2023	VP5	1	06:45	09:45	NW	1	0	6	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-23	20/07/2023	VP5	2	14:30	17:30	NW	2	0	6	4	0	0
Breeding-23	21/07/2023	VP2	1	10:30	13:30	W	2	0	7	4	0	0
Breeding-23	21/07/2023	VP2	2	15:35	16:35	W	3	2	8	4	0	0
Breeding-23	21/07/2023	VP2	2	16:35	17:35	W	3	2	8	4	0	0
Breeding-23	21/07/2023	VP2	2	17:35	18:35	W	3	4	8	3	0	0
Breeding-23	24/07/2023	VP8	1	12:00	15:00	NW	2	0	7	4	0	0
Breeding-23	24/07/2023	VP8	2	17:50	20:50	NW	2	0	6	4	0	0
Breeding-23	25/07/2023	VP10	1	09:40	12:40	W	2	0	7	4	0	0
Breeding-23	25/07/2023	VP10	2	15:15	18:15	W	2	0	6	4	0	0
Breeding-23	26/07/2023	VP11	1	08:35	11:35	S	3	0	8	4	0	0
Breeding-23	26/07/2023	VP11	2	12:40	15:40	S	3	4	8	3	0	0
Breeding-23	27/07/2023	VP9	1	07:10	10:10	W	1	0	7	4	0	0
Breeding-23	27/07/2023	VP9	2	14:10	17:10	W	2	0	6	4	0	0
Breeding-23	01/08/2023	VP4	1	09:40	12:40	W	1	0	7	4	0	0
Breeding-23	01/08/2023	VP4	2	13:10	16:10	W	1	0	7	4	0	0
Breeding-23	02/08/2023	VP3	1	09:00	12:00	N	2	3	8	4	0	0
Breeding-23	02/08/2023	VP3	2	12:30	15:30	N	3	1	7	4	0	0
Breeding-23	08/08/2023	VP7	1	12:55	15:55	NW	1	0	7	4	0	0
Breeding-23	08/08/2023	VP7	2	17:30	18:30	NNW	1	0	6	4	0	0
Breeding-23	08/08/2023	VP7	2	18:30	19:30	W	0	0	7	4	0	0
Breeding-23	08/08/2023	VP7	2	19:30	20:30	WSW	0	0	8	4	0	0
Breeding-23	09/08/2023	VP1	1	09:40	12:40	SW	3	0	7	4	0	0
Breeding-23	09/08/2023	VP1	2	15:15	18:15	SW	3	0	7	4	0	0
Breeding-23	11/08/2023	VP5	1	08:35	11:35	SW	3	0	7	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-23	11/08/2023	VP5	2	14:00	15:00	SW	3	0	7	4	0	0
Breeding-23	11/08/2023	VP5	2	15:00	16:00	SW	3	3	7	4	0	0
Breeding-23	11/08/2023	VP5	2	16:00	17:00	SW	3	0	7	4	0	0
Breeding-23	14/08/2023	VP2	1	10:30	13:30	NW	2	0	7	4	0	0
Breeding-23	14/08/2023	VP2	2	14:05	17:05	NW	2	0	7	4	0	0
Breeding-23	15/08/2023	VP6	1	11:35	14:35	NW	2	0	6	4	0	0
Breeding-23	15/08/2023	VP6	2	17:40	20:40	NW	2	0	5	4	0	0
Breeding-23	16/08/2023	VP8	1	08:40	11:40	E	1	0	5	4	0	0
Breeding-23	16/08/2023	VP8	1	15:15	18:15	E	1	0	5	4	0	0
Breeding-23	21/08/2023	VP11	1	11:45	13:45	SW	3	0	7	4	0	0
Breeding-23	21/08/2023	VP11	1	13:45	14:45	SW	3	2	8	4	0	0
Breeding-23	21/08/2023	VP11	2	15:15	17:15	SW	3	0	8	4	0	0
Breeding-23	21/08/2023	VP11	2	17:15	18:15	SW	2	2	8	4	0	0
Breeding-23	22/08/2023	VP10	1	11:20	14:20	SW	3	0	7	4	0	0
Breeding-23	22/08/2023	VP10	2	16:30	19:30	W	2	0	7	4	0	0
Breeding-23	23/08/2023	VP9	1	09:00	12:00	SW	2	0	7	4	0	0
Breeding-23	23/08/2023	VP9	2	13:00	16:00	SW	2	0	7	4	0	0
Breeding-23	03/09/2023	VP6	1	09:05	12:05	-	1	0	7	4	0	0
Breeding-23	03/09/2023	VP6	2	12:55	15:55	-	1	0	7	4	0	0
Breeding-23	20/09/2023	VP9	1	09:40	12:40	SW	4	0	6	4	0	0
Breeding-23	20/09/2023	VP9	2	13:40	16:40	SW	4	3	6	4	0	0
Breeding-23	21/09/2023	VP5	1	09:25	12:25	-	1	0	2	4	0	0
Breeding-23	21/09/2023	VP5	2	13:30	16:30	-	1	0	2	4	0	0
Breeding-23	29/09/2023	VP11	1	09:50	12:50	SE	2	0	0	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-23	30/09/2023	VP11	2	13:00	16:00	SE	3	4	8	4	0	0
Breeding-23	25/09/2023	VP3	1	07:45	10:45	S	4	0	4	4	0	0
Breeding-23	25/09/2023	VP3	2	13:00	16:00	SW	4	1	7	4	0	0
Breeding-23	25/09/2023	VP1	1	07:30	10:30	S	3	0	8	4	0	0
Breeding-23	25/09/2023	VP1	2	11:00	14:00	S	4	0	8	4	0	0
Breeding-23	29/09/2023	VP4	1	07:45	10:45	SW	2	0	4	4	0	0
Breeding-23	29/09/2023	VP4	2	12:15	15:15	SW	3	0	3	4	0	0
Breeding-23	18/09/2023	VP10	1	13:30	14:30	W	5	0	4	4	0	0
Breeding-23	18/09/2023	VP10	1	14:30	15:30	W	5	2	4	4	0	0
Breeding-23	18/09/2023	VP10	1	15:30	16:30	W	5	0	4	4	0	0
Breeding-23	18/09/2023	VP10	2	17:00	18:00	W	5	0	6	4	0	0
Breeding-23	18/09/2023	VP10	2	18:00	19:00	W	5	0	7	4	0	0
Breeding-23	18/09/2023	VP10	2	19:00	20:00	W	5	2	7	4	0	0
Breeding-23	26/09/2023	VP2	1	07:55	10:55	SW	4	0	7	4	0	0
Breeding-23	26/09/2023	VP2	2	16:50	17:50	SW	2	2	7	4	0	0
Breeding-23	26/09/2023	VP2	2	17:50	18:50	SW	1	0	4	4	0	0
Breeding-23	26/09/2023	VP2	2	18:50	19:50	SW	1	0	4	4	0	0
Breeding-23	28/09/2023	VP7	1	16:40	17:40	SW	4	3	8	4	0	0
Breeding-23	28/09/2023	VP7	1	17:40	18:40	SW	3	4	8	3	0	0
Breeding-23	28/09/2023	VP7	1	18:40	19:40	SW	3	1	8	4	0	0
Breeding-23	29/09/2023	VP7	2	12:45	15:45	WSW	4	0	5	4	0	0
Winter-23	02/10/2023	VP8	1	11:10	14:10	SW	2	0	6	4	0	0
Winter-23	02/10/2023	VP8	2	16:40	19:40	SW	2	0	5	4	0	0
Winter-23	03/10/2023	VP1	1	09:20	12:20	SW	3	0	3	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	03/10/2023	VP1	2	12:55	15:55	SW	3	1	6	4	0	0
Winter-23	05/10/2023	VP3	1	09:25	12:25	S	1	3	8	3	0	0
Winter-23	05/10/2023	VP3	2	13:15	16:15	S	3	2	8	3	0	0
Winter-23	08/10/2023	VP4	1	08:00	11:00	SE	0	1	4	4	0	0
Winter-23	08/10/2023	VP4	2	12:55	15:55	SE	1	0	3	4	0	0
Winter-23	15/10/2023	VP2	1	09:45	12:45	E	0	0	1	4	0	0
Winter-23	15/10/2023	VP2	2	13:20	16:20	E	0	0	2	4	0	0
Winter-23	27/10/2023	VP5	1	09:30	12:30	SE	1	0	4	4	0	0
Winter-23	28/10/2023	VP5	2	11:00	14:00	SE	1	0	4	4	0	0
Winter-23	03/10/2023	VP10	1	07:00	10:00	SW	3	0	5	4	0	0
Winter-23	03/10/2023	VP10	2	12:20	15:20	W	4	0	6	4	0	0
Winter-23	04/10/2023	VP7	1	07:10	10:10	SW	3	0	8	4	0	0
Winter-23	04/10/2023	VP7	2	13:00	16:00	SW	4	1	6	4	0	0
Winter-23	06/10/2023	VP8	1	07:10	10:10	SW	3	3	8	3	0	0
Winter-23	06/10/2023	VP8	2	12:35	15:35	SW	3	1	8	4	0	0
Winter-23	09/10/2023	VP6	1	07:20	09:10	S	2	0	4	3	0	0
Winter-23	09/10/2023	VP6	1	10:10	11:20	S	2	0	4	3	0	0
Winter-23	09/10/2023	VP6	2	11:20	14:20	S	2	0	2	4	0	0
Winter-23	07/10/2023	VP11	1	07:35	10:35	SW	2	0	5	4	0	0
Winter-23	07/10/2023	VP11	2	11:05	14:05	SW	2	0	5	4	0	0
Winter-23	12/10/2023	VP9	1	08:15	09:15	NE	1	0	7	4	0	0
Winter-23	12/10/2023	VP9	1	09:15	10:15	ENE	1	0	6	4	0	0
Winter-23	12/10/2023	VP9	1	10:15	11:15	ESE	2	0	6	4	0	0
Winter-23	12/10/2023	VP9	2	14:15	17:15	SSW	2	0	6	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	07/11/2023	VP1	1	08:15	11:15	SE	1	0	2	4	0	0
Winter-23	07/11/2023	VP1	2	12:40	15:40	SE	1	0	2	4	0	0
Winter-23	08/11/2023	VP2	2	13:35	16:35	SW	4	2	7	4	0	0
Winter-23	08/11/2023	VP2	1	09:15	12:15	SW	3	3	2	4	0	0
Winter-23	02/11/2023	VP3	1	07:10	10:10	W	1	0	3	4	0	0
Winter-23	06/11/2023	VP3	2	09:20	12:20	W	1	0	5	4	0	0
Winter-23	03/11/2023	VP4	1	07:15	10:15	SE	1	0	2	4	0	0
Winter-23	12/11/2023	VP4	2	10:15	13:15	SW	2	2	7	4	0	0
Winter-23	09/11/2023	VP5	1	09:15	12:15	W	3	3	6	4	0	0
Winter-23	09/11/2023	VP5	2	13:15	16:15	W	1	2	7	3	0	0
Winter-23	02/11/2023	VP10	1	09:45	12:45	S	2	0	4	4	0	0
Winter-23	02/11/2023	VP10	2	14:35	17:35	W	4	0	4	4	0	0
Winter-23	03/11/2023	VP6	1	11:00	14:00	W	3	0	4	4	0	0
Winter-23	03/11/2023	VP6	2	15:30	18:30	W	3	1	3	4	0	0
Winter-23	06/11/2023	VP7	1	10:15	13:15	W	4	0	2	4	0	0
Winter-23	06/11/2023	VP7	2	14:30	17:30	W	4	0	4	4	0	0
Winter-23	09/11/2023	VP8	1	09:00	12:00	S	3	3	7	4	0	0
Winter-23	09/11/2023	VP8	2	14:25	17:25	W	2	0	5	4	0	0
Winter-23	22/11/2023	VP9	1	08:05	11:05	W	3	0	6	4	0	0
Winter-23	22/11/2023	VP9	2	14:05	17:05	W	3	0	6	4	0	0
Winter-23	24/11/2023	VP11	1	07:45	10:45	NW	1	0	4	4	0	0
Winter-23	24/11/2023	VP11	1	13:50	16:50	N	1	0	4	4	0	0
Winter-23	05/12/2023	VP3	1	09:10	12:10	-	0	0	1	100	1	0
Winter-23	05/12/2023	VP3	2	13:10	16:10	-	0	0	1	100	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	08/12/2023	VP4	1	09:40	12:40	SW	3	4	8	80	0	0
Winter-23	09/12/2023	VP4	2	12:40	15:40	SW	4	1	7	100	0	0
Winter-23	11/12/2023	VP1	1	09:20	12:20	-	0	0	3	100	0	0
Winter-23	11/12/2023	VP1	2	13:10	16:10	-	1	2	5	100	0	0
Winter-23	15/12/2023	VP2	1	10:20	13:20	-	0	0	8	100	0	0
Winter-23	16/12/2023	VP2	2	09:35	12:35	S	4	1	8	100	0	0
Winter-23	19/12/2023	VP5	1	09:10	12:10	-	1	1	6	100	0	0
Winter-23	19/12/2023	VP5	2	13:15	16:15	-	1	0	4	100	0	0
Winter-23	04/12/2023	VP10	1	07:50	10:50	NW	2	0	1	4	1	0
Winter-23	04/12/2023	VP10	2	13:10	16:10	NW	2	0	1	4	1	0
Winter-23	05/12/2023	VP6	1	07:50	10:50	NW	1	0	3	4	1	0
Winter-23	05/12/2023	VP6	2	11:20	14:20	NW	2	0	1	4	1	0
Winter-23	06/12/2023	VP7	1	07:55	10:55	SE	4	0	7	4	0	0
Winter-23	06/12/2023	VP7	2	13:30	16:30	SE	4	3	8	4	0	0
Winter-23	07/12/2023	VP8	1	07:55	10:55	SE	4	3	8	4	0	0
Winter-23	07/12/2023	VP8	2	13:40	16:40	S	2	3	7	4	0	0
Winter-23	05/12/2023	VP9	1	10:25	13:25	N	0	0	1	4	1	0
Winter-23	05/12/2023	VP9	2	13:55	14:55	ENE	0	0	2	4	1	0
Winter-23	05/12/2023	VP9	2	14:55	15:55	E	0	0	4	4	1	0
Winter-23	05/12/2023	VP9	2	15:55	16:55	E	0	0	8	4	1	0
Winter-23	07/12/2023	VP11	1	09:10	12:10	S	3	4	8	4	0	0
Winter-23	07/12/2023	VP11	2	13:55	16:55	S	3	0	8	4	0	0
Winter-24	16/01/2024	VP1	1	09:10	12:10	SW	3	0	4	4	0	0
Winter-24	16/01/2024	VP1	2	13:00	16:00	SW	3	1	5	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-24	12/01/2024	VP2	1	09:10	12:10	-	0	0	8	4	0	0
Winter-24	04/02/2024	VP2	2	10:40	13:40	SW	3	0	8	4	0	0
Winter-24	04/01/2024	VP3	1	11:55	14:55	-	2	0	4	4	0	0
Winter-24	05/01/2024	VP3	2	10:35	13:35	-	1	0	3	4	0	0
Winter-24	06/01/2024	VP4	1	09:50	12:50	-	0	0	1	4	1	0
Winter-24	06/01/2024	VP4	2	13:30	16:30	-	0	0	1	4	0	0
Winter-24	17/01/2024	VP5	1	10:00	13:00	-	0	0	1	4	1	0
Winter-24	17/01/2024	VP5	2	13:55	16:55	-	1	0	1	4	1	0
Winter-24	03/01/2024	VP10	1	09:45	12:45	W	2	1	7	4	0	0
Winter-24	03/01/2024	VP10	2	14:05	17:05	W	2	0	7	4	0	0
Winter-24	04/01/2024	VP6	1	10:35	13:35	S	2	0	1	4	0	0
Winter-24	04/01/2024	VP6	2	14:05	17:05	S	2	0	6	4	0	0
Winter-24	08/01/2024	VP8	1	08:30	11:30	E	1	0	2	4	1	0
Winter-24	08/01/2024	VP8	2	14:05	17:05	E	1	0	2	4	0	0
Winter-24	15/01/2024	VP7	1	09:00	12:00	NW	1	0	2	4	1	0
Winter-24	15/01/2024	VP7	2	14:25	17:25	NW	2	0	2	4	0	0
Winter-24	09/01/2024	VP11	1	10:30	13:30	E	4	0	3	4	1	0
Winter-24	09/01/2024	VP11	2	14:05	17:05	E	4	0	1	4	1	0
Winter-24	11/01/2024	VP9	1	08:15	11:15	NE	2	0	8	4	0	0
Winter-24	11/01/2024	VP9	2	14:00	17:00	NE	3	0	8	4	0	0
Winter-24	08/02/2024	VP3	1	09:20	12:20	E	2	1	8	3	0	1
Winter-24	08/02/2024	VP3	2	13:10	16:10	E	3	1	8	3	0	0
Winter-24	16/02/2024	VP4	1	09:05	12:05	SW	0	0	6	4	0	0
Winter-24	17/02/2024	VP4	2	11:15	14:15	SW	1	0	6	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-24	18/02/2024	VP2	1	11:45	14:45	SW	1	0	5	4	0	0
Winter-24	23/02/2024	VP2	2	09:20	12:20	SW	2	1	6	4	0	0
Winter-24	25/02/2024	VP1	1	09:10	12:10	E	0	0	4	4	0	0
Winter-24	25/02/2024	VP1	2	13:10	16:10	E	0	0	6	4	0	0
Winter-24	26/02/2024	VP5	1	09:30	12:30	N	1	0	2	4	0	0
Winter-24	26/02/2024	VP5	2	13:10	16:10	N	0	0	2	4	0	0
Winter-24	01/02/2024	VP10	1	08:30	11:30	SW	2	0	7	4	0	0
Winter-24	01/02/2024	VP10	2	13:55	16:55	SW	4	0	8	4	0	0
Winter-24	02/02/2024	VP7	1	08:15	11:15	SW	4	2	8	4	0	0
Winter-24	02/02/2024	VP7	2	13:35	16:35	SW	4	1	8	4	0	0
Winter-24	07/02/2024	VP6	1	09:05	12:05	N	1	0	3	4	1	0
Winter-24	07/02/2024	VP6	2	12:35	15:35	NE	1	0	6	4	1	0
Winter-24	13/02/2024	VP8	1	08:30	11:30	S	2	0	7	4	0	0
Winter-24	13/02/2024	VP8	2	14:00	17:00	E	2	3	8	4	0	0
Winter-24	22/02/2024	VP11	1	08:45	11:45	SW	2	0	7	4	0	0
Winter-24	22/02/2024	VP11	2	12:55	15:55	W	2	0	7	4	0	0
Winter-24	28/02/2024	VP9	1	07:05	10:05	SW	2	2	8	4	0	0
Winter-24	28/02/2024	VP9	2	15:00	18:00	SW	2	3	8	4	0	0
Winter-24	18/03/2024	VP1	1	09:40	12:40	S	3	1	7	4	0	0
Winter-24	18/03/2024	VP1	2	13:40	16:40	S	4	2	8	3	0	0
Winter-24	24/03/2024	VP2	1	09:15	12:15	SW	2	0	8	4	0	0
Winter-24	24/03/2024	VP2	2	13:35	16:35	SW	2	0	8	4	0	0
Winter-24	07/03/2024	VP3	1	09:10	12:10	SE	2	0	3	4	0	0
Winter-24	07/03/2024	VP3	2	13:00	16:00	SE	2	0	3	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-24	15/03/2024	VP4	1	09:00	12:00	NW	2	0	6	4	0	0
Winter-24	15/03/2024	VP4	2	13:10	16:10	NW	2	0	5	4	0	0
Winter-24	25/03/2024	VP5	1	09:30	12:30	SE	2	0	7	4	0	0
Winter-24	27/03/2024	VP5	2	09:50	12:50	SE	2	0	7	4	0	0
Winter-24	04/03/2024	VP6	1	07:05	10:05	SE	3	0	6	4	0	0
Winter-24	04/03/2024	VP6	2	10:35	13:35	SE	4	0	7	4	0	0
Winter-24	05/03/2024	VP10	1	07:15	10:15	SW	4	1	8	4	0	0
Winter-24	05/03/2024	VP10	2	12:50	15:50	SW	3	0	4	4	0	0
Winter-24	06/03/2024	VP7	1	07:30	10:30	SE	3	0	7	4	0	0
Winter-24	06/03/2024	VP7	2	13:20	16:20	SE	4	0	8	4	0	0
Winter-24	11/03/2024	VP8	1	09:00	12:00	SE	1	0	8	4	0	0
Winter-24	11/03/2024	VP8	2	15:00	18:00	SW	1	0	8	4	0	0
Winter-24	07/03/2024	VP9	1	09:50	12:50	ESE	4	0	6	4	0	0
Winter-24	07/03/2024	VP9	2	13:55	16:55	ESE	4	0	6	4	0	0
Winter-24	18/03/2024	VP11	1	15:45	18:45	S	3	3	7	4	0	0
Winter-24	19/03/2024	VP11	2	11:00	14:00	S	1	0	8	4	0	0
Breeding-24	14/04/2024	VP1	1	10:55	13:55	SW	3	1	6	4	0	0
Breeding-24	14/04/2024	VP1	2	17:15	20:15	SW	3	1	7	4	0	0
Breeding-24	11/04/2024	VP2	1	13:30	16:30	SW	2	2	8	3	0	0
Breeding-24	11/04/2024	VP2	2	17:00	20:00	SW	3	3	8	4	0	0
Breeding-24	09/04/2024	VP3	1	10:20	13:20	NW	2	3	5	4	0	0
Breeding-24	12/04/2024	VP3	1	06:50	09:50	N	0	2	8	4	0	0
Breeding-24	09/04/2024	VP4	1	14:35	17:35	NW	3	0	5	4	0	0
Breeding-24	20/04/2024	VP4	2	06:50	09:50	N	0	0	1	3	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-24	29/04/2024	VP5	1	10:00	13:00	SW	2	3	8	4	0	0
Breeding-24	30/04/2024	VP5	2	07:45	10:45	SW	2	1	8	4	0	0
Breeding-24	02/04/2024	VP10	1	12:15	15:15	SE	1	0	6	4	0	0
Breeding-24	02/04/2024	VP10	2	17:45	20:45	E	1	3	8	4	0	0
Breeding-24	03/04/2024	VP7	1	12:40	15:40	W	1	0	7	4	0	0
Breeding-24	03/04/2024	VP7	2	17:45	20:45	SE	1	1	7	4	0	0
Breeding-24	04/04/2024	VP8	1	12:00	15:00	SE	1	0	8	4	0	0
Breeding-24	04/04/2024	VP8	2	17:45	20:45	SE	2	1	7	4	0	0
Breeding-24	09/04/2024	VP6	1	14:25	17:25	W	3	0	7	4	0	0
Breeding-24	09/04/2024	VP6	2	17:55	20:55	W	3	0	6	4	0	0
Breeding-24	09/04/2024	VP11	1	18:00	21:00	W	3	0	4	4	0	0
Breeding-24	10/04/2024	VP9	1	18:00	21:00	SW	3	1	8	4	0	0
Breeding-24	11/04/2024	VP11	2	08:20	11:20	SSW	3	0	8	4	0	0
Breeding-24	11/04/2024	VP9	2	11:50	14:50	SSW	3	0	8	4	0	0
Breeding-24	09/05/2024	VP1	1	05:10	08:10	SE	1	0	8	4	0	0
Breeding-24	09/05/2024	VP1	2	09:20	12:20	SE	1	0	6	4	0	0
Breeding-24	25/05/2024	VP2	1	15:40	18:40	SE	3	3	8	4	0	0
Breeding-24	26/05/2024	VP2	2	05:10	08:10	SE	2	2	8	3	0	0
Breeding-24	14/05/2024	VP3	1	13:30	16:30	E	1	1	6	4	0	0
Breeding-24	14/05/2024	VP3	2	17:40	20:40	E	1	0	6	4	0	0
Breeding-24	22/05/2024	VP4	1	09:30	12:30	NW	2	0	8	4	0	0
Breeding-24	22/05/2024	VP4	2	13:15	16:15	NW	4	0	8	4	0	0
Breeding-24	28/05/2024	VP5	1	09:45	12:45	SW	3	1	7	4	0	0
Breeding-24	28/05/2024	VP5	2	14:00	17:00	SW	4	0	6	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-24	07/05/2024	VP10	1	05:05	08:05	N	2	0	2	4	0	0
Breeding-24	07/05/2024	VP10	2	10:50	13:50	E	2	0	5	4	0	0
Breeding-24	08/05/2024	VP6	1	05:05	08:05	S	1	0	1	3	0	0
Breeding-24	08/05/2024	VP6	2	08:35	11:35	SW	1	0	6	4	0	0
Breeding-24	09/05/2024	VP7	1	05:05	08:05	SE	1	0	7	4	0	0
Breeding-24	09/05/2024	VP7	2	10:40	13:40	S	1	0	6	4	0	0
Breeding-24	14/05/2024	VP8	1	04:55	07:55	E	0	0	6	4	0	0
Breeding-24	14/05/2024	VP8	2	09:30	12:30	E	3	0	8	4	0	0
Breeding-24	08/05/2024	VP11	1	16:40	19:40	SW	1	0	3	4	0	0
Breeding-24	09/05/2024	VP11	2	05:05	08:05	S	1	0	7	4	0	0
Breeding-24	15/05/2024	VP9	1	05:10	08:10	ENE	1	0	7	4	0	0
Breeding-24	16/05/2024	VP9	2	12:40	15:40	NE	2	0	6	4	0	0
Breeding-24	16/06/2024	VP1	1	09:30	12:30	NW	3	0	6	4	0	0
Breeding-24	16/06/2024	VP1	2	14:05	17:05	NW	2	0	7	4	0	0
Breeding-24	23/06/2024	VP2	1	09:20	12:20	SW	2	0	6	4	0	0
Breeding-24	23/06/2024	VP2	2	13:00	16:00	SW	2	0	5	4	0	0
Breeding-24	06/06/2024	VP3	1	08:30	11:30	NW	3	0	5	4	0	0
Breeding-24	06/06/2024	VP3	2	16:05	19:05	NW	1	0	4	4	0	0
Breeding-24	10/06/2024	VP4	1	05:15	08:15	NW	1	0	1	4	0	0
Breeding-24	10/06/2024	VP4	2	12:40	15:40	NW	3	0	5	4	0	0
Breeding-24	25/06/2024	VP5	1	11:20	14:20	N	3	0	5	4	0	0
Breeding-24	25/06/2024	VP5	2	15:00	18:00	N	3	0	6	4	0	0
Breeding-24	04/06/2024	VP8	1	07:30	10:30	W	4	1	8	4	0	0
Breeding-24	04/06/2024	VP8	2	12:20	15:20	NW	4	0	6	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-24	05/06/2024	VP10	1	07:30	10:30	W	3	0	4	3	0	0
Breeding-24	05/06/2024	VP10	2	13:00	16:00	W	3	1	6	4	0	0
Breeding-24	06/06/2024	VP6	1	07:30	10:30	W	3	0	4	4	0	0
Breeding-24	06/06/2024	VP6	2	11:00	14:00	W	3	0	4	4	0	0
Breeding-24	10/06/2024	VP7	1	07:30	10:30	N	3	0	6	4	0	0
Breeding-24	10/06/2024	VP7	2	13:15	16:15	N	3	0	5	4	0	0
Breeding-24	19/06/2024	VP9	1	11:55	14:55	SW	1	0	2	4	0	0
Breeding-24	19/06/2024	VP9	2	15:40	18:40	W	1	0	3	4	0	0
Breeding-24	20/06/2024	VP11	1	16:20	19:20	SW	1	0	6	4	0	0
Breeding-24	21/06/2024	VP11	2	07:00	10:00	S	2	0	7	4	0	0
Breeding-24	15/07/2024	VP1	1	08:40	11:40	SE	1	0	7	4	0	0
Breeding-24	15/07/2024	VP1	2	13:30	16:30	SE	0	0	6	4	0	0
Breeding-24	21/07/2024	VP2	1	08:00	11:00	SW	2	3	8	3	0	0
Breeding-24	21/07/2024	VP2	2	12:00	15:00	SW	2	1	8	4	0	0
Breeding-24	07/07/2024	VP3	1	08:40	11:40	W	0	1	6	4	0	0
Breeding-24	07/07/2024	VP3	2	14:00	17:00	W	1	1	7	4	0	0
Breeding-24	08/07/2024	VP4	1	11:20	14:20	SE	1	0	5	4	0	0
Breeding-24	08/07/2024	VP4	2	14:50	17:50	SE	0	0	6	4	0	0
Breeding-24	29/07/2024	VP5	1	08:50	11:50	SW	3	0	7	4	0	0
Breeding-24	29/07/2024	VP5	2	13:20	16:20	SW	2	0	8	4	0	0
Breeding-24	01/07/2024	VP10	1	07:40	10:40	W	2	1	8	4	0	0
Breeding-24	01/07/2024	VP10	2	13:10	16:10	NW	4	0	7	4	0	0
Breeding-24	02/07/2024	VP7	1	07:40	10:40	W	2	0	8	4	0	0
Breeding-24	02/07/2024	VP7	2	13:10	16:10	W	3	0	7	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-24	04/07/2024	VP6	1	07:35	10:35	W	4	3	8	4	0	0
Breeding-24	04/07/2024	VP6	2	11:05	14:05	W	4	0	7	4	0	0
Breeding-24	08/07/2024	VP8	1	06:30	09:30	E	1	0	1	4	0	0
Breeding-24	08/07/2024	VP8	2	11:15	14:15	E	2	0	2	4	0	0
Breeding-24	23/07/2024	VP11	1	18:05	21:05	SW	1	0	7	4	0	0
Breeding-24	24/07/2024	VP11	2	14:40	17:40	S	3	0	6	4	0	0
Breeding-24	31/07/2024	VP9	1	06:10	09:10	E	1	0	5	4	0	0
Breeding-24	31/07/2024	VP9	2	09:45	12:45	SE	1	0	4	4	0	0
Breeding-24	05/08/2024	VP1	1	06:45	09:45	SW	2	2	8	3	0	0
Breeding-24	05/08/2024	VP1	2	13:10	16:10	SW	3	0	7	4	0	0
Breeding-24	25/08/2024	VP2	1	11:35	14:35	SW	4	2	8	4	0	0
Breeding-24	25/08/2024	VP2	2	14:00	17:00	W	2	3	6	4	0	0
Breeding-24	12/08/2024	VP3	1	09:20	12:20	SW	1	1	7	4	0	0
Breeding-24	12/08/2024	VP3	2	13:10	16:10	SW	1	0	7	4	0	0
Breeding-24	19/08/2024	VP4	1	09:45	12:45	SE	2	3	8	4	0	0
Breeding-24	19/08/2024	VP4	2	14:05	17:05	SE	3	2	8	3	0	0
Breeding-24	23/08/2024	VP5	1	08:10	11:10	W	2	1	3	4	0	0
Breeding-24	23/08/2024	VP5	2	14:45	17:45	W	2	3	5	4	0	0
Breeding-24	01/08/2024	VP10	1	07:25	10:25	W	3	0	7	4	0	0
Breeding-24	01/08/2024	VP10	2	12:40	15:40	SW	3	0	7	4	0	0
Breeding-24	06/08/2024	VP7	1	13:00	16:00	SW	4	0	7	4	0	0
Breeding-24	06/08/2024	VP7	2	13:10	16:10	SW	4	3	8	4	0	0
Breeding-24	07/08/2024	VP6	1	06:40	09:40	SW	4	3	8	4	0	0
Breeding-24	07/08/2024	VP6	2	10:10	13:10	W	4	0	8	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-24	12/08/2024	VP8	1	07:25	10:25	W	4	0	5	4	0	0
Breeding-24	12/08/2024	VP8	2	12:05	15:05	SW	4	0	4	4	0	0
Breeding-24	06/08/2024	VP9	1	16:35	19:35	SW	4	0	7	4	0	0
Breeding-24	07/08/2024	VP9	2	09:40	12:40	SW	4	2	8	4	0	0
Breeding-24	08/08/2024	VP11	1	09:35	12:35	S	2	0	7	4	0	0
Breeding-24	19/08/2024	VP11	2	16:15	19:15	SW	4	2	8	4	0	0
Breeding-24	15/09/2024	VP3	1	11:05	14:05	W	1	0	6	4	0	0
Breeding-24	16/09/2024	VP3	2	09:20	12:20	SE	1	0	1	4	0	0
Breeding-24	18/09/2024	VP1	1	08:45	11:45	SE	1	0	4	3	0	0
Breeding-24	18/09/2024	VP1	2	12:35	15:35	SE	1	0	1	4	0	0
Breeding-24	22/09/2024	VP2	1	08:50	11:50	NE	1	0	8	4	0	0
Breeding-24	22/09/2024	VP2	2	12:35	15:35	NE	2	0	8	4	0	0
Breeding-24	24/09/2024	VP4	1	09:00	12:00	NW	2	0	6	4	0	0
Breeding-24	24/09/2024	VP4	2	13:25	16:25	NW	2	0	4	4	0	0
Breeding-24	26/09/2024	VP5	1	09:00	12:00	NE	3	1	8	4	0	0
Breeding-24	26/09/2024	VP5	2	13:45	16:45	NE	2	1	8	4	0	0
Breeding-24	03/09/2024	VP6	1	07:30	10:30	SW	2	0	8	4	0	0
Breeding-24	03/09/2024	VP6	2	11:00	14:00	W	3	0	8	4	0	0
Breeding-24	04/09/2024	VP10	1	07:05	10:05	W	4	3	8	4	0	0
Breeding-24	04/09/2024	VP10	2	12:20	15:20	NW	4	3	8	4	0	0
Breeding-24	05/09/2024	VP7	1	07:30	10:30	NE	3	0	1	4	0	0
Breeding-24	05/09/2024	VP7	2	13:00	16:00	NE	4	0	6	4	0	0
Breeding-24	09/09/2024	VP8	1	07:30	10:30	W	2	0	4	4	0	0
Breeding-24	09/09/2024	VP8	2	11:00	14:00	W	4	0	6	4	0	0

Vantage Point Survey Effort												
Season	Date	Survey	Watch	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-24	02/09/2024	VP9	1	15:00	18:00	NW	3	0	7	4	0	0
Breeding-24	03/09/2024	VP9	2	16:30	19:30	NW	2	0	8	4	0	0
Breeding-24	05/09/2024	VP11	1	15:05	18:05	NE	4	0	6	4	0	0
Breeding-24	11/09/2024	VP11	2	14:30	17:30	NW	4	2	6	4	0	0

Breeding and Winter Transect Survey Effort

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-22	08/04/2022	T14	N	4	0	5/8	1	4	0	0
Breeding-22	11/04/2022	T19	N	5	0	7/8	1	4	0	0
Breeding-22	12/04/2022	T15	E	2	0	8/8	1	4	0	0
Breeding-22	13/04/2022	T21	SW	4	0	7/8	1	4	0	0
Breeding-22	19/04/2022	T18	SW	1	0	1/8	1	4	0	0
Breeding-22	19/04/2022	T13	S	1	0	3/8	1	4	0	0
Breeding-22	19/04/2022	T16	W	1	0	6/8	1	4	0	0
Breeding-22	20/04/2022	T12	E	1	0	1/8	1	4	0	0
Breeding-22	20/04/2022	T11	SE	1	0	7/8	1	4	0	0
Breeding-22	20/04/2022	T20	SE	1	0	7/8	1	4	0	0
Breeding-22	21/04/2022	T17	E	5	0	3/8	1	4	0	0
Breeding-22	21/04/2022	T6	E	4	0	4/8	1	4	0	0
Breeding-22	21/04/2022	T7	E	4	0	5/8	1	4	0	0
Breeding-22	22/04/2022	T10	NE	2	0	1/8	2	4	0	0
Breeding-22	22/04/2022	T9	NE	2	0	4/8	1	4	0	0
Breeding-22	22/04/2022	T8	NE	3	0	8/8	1	4	0	0
Breeding-22	22/04/2022	T3	NE	4	0	8/8	1	4	0	0
Breeding-22	12/04/2022	T2	E	2	2	8/8	1	4	0	0
Breeding-22	12/04/2022	T4	E	2	2	8/8	1	4	0	0
Breeding-22	13/04/2022	T1	SW	1	0	7/8	2	4	0	0
Breeding-22	13/04/2022	T5	SW	1	0	7/8	2	4	0	0
Breeding-22	04/05/2022	T1	WNW	3	0	7/8	2	4	0	0
Breeding-22	17/05/2022	T5	WSW	3	0	6/8	2	4	0	0
Breeding-22	17/05/2022	T4	WSW	3	3	7/8	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-22	17/05/2022	T2	SSW	3	3	7/8	2	4	0	0
Breeding-22	05/05/2022	T14	SW	3	0	8/8	1	4	0	0
Breeding-22	05/05/2022	T15	SW	4	0	8/8	1	4	0	0
Breeding-22	05/05/2022	T19	SW	4	0	7/8	1	4	0	0
Breeding-22	10/05/2022	T18	SW	6	1	7/8	1	4	0	0
Breeding-22	10/05/2022	T13	SW	3	1	6/8	1	4	0	0
Breeding-22	10/05/2022	T16	SW	5	0	6/8	1	4	0	0
Breeding-22	11/05/2022	T17	W	4	0	7/8	2	4	0	0
Breeding-22	11/05/2022	T21	W	5	0	5/8	2	4	0	0
Breeding-22	11/05/2022	T20	W	6	0	6/8	2	4	0	0
Breeding-22	12/05/2022	T11	S	4	0	7/8	1	4	0	0
Breeding-22	12/05/2022	T12	S	5	1	6/8	1	4	0	0
Breeding-22	12/05/2022	T8	S	5	0	6/8	1	4	0	0
Breeding-22	13/05/2022	T10	SW	5	0	7/8	1	4	0	0
Breeding-22	13/05/2022	T9	SW	5	0	7/8	1	4	0	0
Breeding-22	19/05/2022	T3	S	3	0	1/8	2	4	0	0
Breeding-22	19/05/2022	T7	S	5	0	1/8	2	4	0	0
Breeding-22	19/05/2022	T6	S	5	0	1/8	2	4	0	0
Breeding-22	09/06/2022	T1	S	5	2	8/8	1	3	0	0
Breeding-22	09/06/2022	T5	SSW	5	2	8/8	1	4	0	0
Breeding-22	09/06/2022	T4	SSW	5	0	7/8	2	4	0	0
Breeding-22	10/06/2022	T2	SW	4	0	7/8	2	4	0	0
Breeding-22	07/06/2022	T14	E	1	0	8/8	1	4	0	0
Breeding-22	07/06/2022	T19	E	1	0	5/8	1	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-22	07/06/2022	T15	SE	1	0	4/8	2	4	0	0
Breeding-22	08/06/2022	T21	SW	4	1	7/8	2	4	0	0
Breeding-22	08/06/2022	T13	SW	4	0	7/8	2	4	0	0
Breeding-22	08/06/2022	T16	SW	4	0	8/8	2	4	0	0
Breeding-22	09/06/2022	T17	SE	4	1	8/8	1	4	0	0
Breeding-22	09/06/2022	T20	S	3	0	8/8	2	4	0	0
Breeding-22	10/06/2022	T11	S	4	0	7/8	2	4	0	0
Breeding-22	10/06/2022	T12	S	4	0	6/8	2	4	0	0
Breeding-22	14/06/2022	T10	S	1	0	7/8	2	4	0	0
Breeding-22	14/06/2022	T9	S	1	0	7/8	2	4	0	0
Breeding-22	17/06/2022	T7	SW	3	2	8/8	2	4	0	0
Breeding-22	17/06/2022	T6	SW	2	2	8/8	2	4	0	0
Breeding-22	17/06/2022	T3	SW	2	1	8/8	2	4	0	0
Breeding-22	20/06/2022	T18	NW	1	0	1/8	2	4	0	0
Breeding-22	20/06/2022	T8	NW	1	0	1/8	2	4	0	0
Breeding-22	05/07/2022	T14	W	2	0	7/8	2	4	0	0
Breeding-22	05/07/2022	T15	W	2	1	8/8	2	4	0	0
Breeding-22	05/07/2022	T19	W	2	0	8/8	2	4	0	0
Breeding-22	06/07/2022	T13	W	2	0	8/8	2	4	0	0
Breeding-22	06/07/2022	T16	W	2	0	8/8	2	4	0	0
Breeding-22	06/07/2022	T21	W	2	0	8/8	2	4	0	0
Breeding-22	07/07/2022	T11	NW	2	0	8/8	2	4	0	0
Breeding-22	07/07/2022	T12	NW	2	0	8/8	2	4	0	0
Breeding-22	11/07/2022	T10	S	1	0	7/8	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-22	11/07/2022	T9	S	2	0	7/8	2	4	0	0
Breeding-22	12/07/2022	T20	SW	2	0	7/8	2	4	0	0
Breeding-22	12/07/2022	T17	SW	2	0	8/8	2	4	0	0
Breeding-22	13/07/2022	T18	W	2	0	7/8	2	4	0	0
Breeding-22	13/07/2022	T8	W	1	0	1/8	2	4	0	0
Breeding-22	14/07/2022	T7	W	2	0	3/8	2	4	0	0
Breeding-22	14/07/2022	T6	W	2	0	3/8	2	4	0	0
Breeding-22	14/07/2022	T3	W	2	0	3/8	2	4	0	0
Breeding-22	08/07/2022	T4	W	3	0	8/8	2	4	0	0
Breeding-22	08/07/2022	T5	W	3	0	7/8	2	4	0	0
Breeding-22	08/07/2022	T1	W	3	0	7/8	2	4	0	0
Breeding-22	28/07/2022	T2	ESE	1	0	6/8	2	4	0	0
Breeding-22	24/08/2022	T4	SW	4	0	6/8	2	4	0	0
Breeding-22	24/08/2022	T5	SW	4	0	6/8	2	4	0	0
Breeding-22	24/08/2022	T1	SW	4	0	7/8	2	4	0	0
Breeding-22	31/08/2022	T2	ENE	2	0	6/8	2	4	0	0
Breeding-22	05/08/2022	T14	W	1	0	2/8	2	4	0	0
Breeding-22	06/08/2022	T15	W	1	0	7/8	2	4	0	0
Breeding-22	07/08/2022	T19	W	1	0	7/8	2	4	0	0
Breeding-22	08/08/2022	T13	S	1	0	6/8	2	4	0	0
Breeding-22	08/08/2022	T16	S	1	0	5/8	2	4	0	0
Breeding-22	09/08/2022	T11	S	1	0	6/8	2	4	0	0
Breeding-22	09/08/2022	T12	S	1	0	6/8	2	4	0	0
Breeding-22	09/08/2022	T20	S	1	0	2/8	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-22	10/08/2022	T10	S	1	0	2/8	2	3	0	0
Breeding-22	10/08/2022	T9	S	1	0	1/8	2	4	0	0
Breeding-22	11/08/2022	T18	SW	1	0	0/8	2	4	0	0
Breeding-22	11/08/2022	T21	SW	1	0	0/8	2	4	0	0
Breeding-22	17/08/2022	T17	NW	1	0	2/8	2	4	0	0
Breeding-22	17/08/2022	T8	NW	1	0	1/8	2	4	0	0
Breeding-22	23/08/2022	T7	SW	1	0	2/8	2	4	0	0
Breeding-22	23/08/2022	T6	SW	2	0	3/8	2	4	0	0
Breeding-22	23/08/2022	T3	SW	2	0	2/8	2	4	0	0
Breeding-22	27/09/2022	T4	NW	4	2	8/8	1	4	0	0
Breeding-22	27/09/2022	T5	NW	4	2	8/8	1	4	0	0
Breeding-22	27/09/2022	T1	WNW	4	2	8/8	1	4	0	0
Breeding-22	29/09/2022	T2	NW	2	0	7/8	2	4	0	0
Breeding-22	05/09/2022	T14	E	1	0	1/8	2	4	0	0
Breeding-22	05/09/2022	T15	E	2	0	1/8	2	4	0	0
Breeding-22	05/09/2022	T19	SE	4	0	3/8	2	4	0	0
Breeding-22	08/09/2022	T13	NW	2	0	8/8	2	4	0	0
Breeding-22	08/09/2022	T16	NW	3	0	8/8	2	4	0	0
Breeding-22	12/09/2022	T11	W	1	0	8/8	2	4	0	0
Breeding-22	12/09/2022	T12	W	2	0	8/8	2	4	0	0
Breeding-22	12/09/2022	T20	W	1	0	8/8	2	4	0	0
Breeding-22	13/09/2022	T10	N	1	0	7/8	2	3	0	0
Breeding-22	13/09/2022	T9	N	2	0	8/8	2	4	0	0
Breeding-22	14/09/2022	T18	NW	1	0	8/8	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-22	14/09/2022	T21	NW	2	0	8/8	2	4	0	0
Breeding-22	16/09/2022	T17	W	1	0	3/8	2	4	0	0
Breeding-22	16/09/2022	T8	W	1	0	2/8	2	4	0	0
Breeding-22	26/09/2022	T7	NW	1	0	2/8	2	4	0	0
Breeding-22	26/09/2022	T6	NW	3	0	6/8	2	4	0	0
Breeding-22	26/09/2022	T3	NW	3	0	7/8	2	4	0	0
Winter-22	04/10/2022	T14	W	1	0	8/8	2	4	0	0
Winter-22	04/10/2022	T15	W	1	0	8/8	2	4	0	0
Winter-22	04/10/2022	T19	W	1	0	8/8	2	4	0	0
Winter-22	05/10/2022	T21	SW	2	1	8/8	2	4	0	0
Winter-22	05/10/2022	T20	SW	2	0	5/8	2	4	0	0
Winter-22	05/10/2022	T17	SW	2	2	8/8	2	4	0	0
Winter-22	06/10/2022	T13	SW	2	1	7/8	1	4	0	0
Winter-22	06/10/2022	T16	SW	4	2	8/8	1	4	0	0
Winter-22	06/10/2022	T18	SW	3	1	7/8	1	4	0	0
Winter-22	10/10/2022	T3	N	1 to 3	0	1 to 4	2	4	0	0
Winter-22	10/10/2022	T4	-	1 to 2	0	1 to 2	2	4	0	0
Winter-22	10/10/2022	T5	SSW	3 to 4	0	3 to 4	2	4	0	0
Winter-22	12/10/2022	T10	-	2	0	2 to 4	2	4	0	0
Winter-22	14/10/2022	T7	-	1 to 2	0	3 to 5	2	4	0	0
Winter-22	14/10/2022	T6	SW	2 to 4	3	3 to 6	2	4	0	0
Winter-22	17/10/2022	T9	SW	3 to 4	0	4 to 8	2	4	0	0
Winter-22	18/10/2022	T8	-	1	0	1 to 8!	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Winter-22	25/10/2022	T1	SSE	3	0	5 to 6	2	4	0	0
Winter-22	26/10/2022	T12	SSE	3 to 4	0	4 to 5	1	4	0	0
Winter-22	26/10/2022	T11	SSE	4 to 5	1	4 to 5	1	4	0	0
Winter-22	27/10/2022	T2	SSE	2 to 3	0	4 to 5	1	4	0	0
Winter-22	03/11/2022	T14	SE	2	0	1/8	2	4	0	0
Winter-22	03/11/2022	T15	SE	2	0	2/8	2	4	0	0
Winter-22	04/11/2022	T19	SW	1	1	4/8	2	4	0	0
Winter-22	07/11/2022	T20	S	3	3	8/8	2	4	0	0
Winter-22	08/11/2022	T17	S	3	0	2/8	2	4	0	0
Winter-22	08/11/2022	T21	S	3	0	2/8	2	4	0	0
Winter-22	14/11/2022	T13	S	2	0	4/8	2	4	0	0
Winter-22	14/11/2022	T16	S	2	0	3/8	2	4	0	0
Winter-22	15/11/2022	T18	S	1	0	1/8	2	4	0	0
Winter-22	02/12/2022	T14	SE	3	0	7/8	2	3	0	0
Winter-22	02/12/2022	T15	SE	3	0	8/8	2	3	0	0
Winter-22	07/12/2022	T19	NW	1	0	2/8	2	4	1	0
Winter-22	08/12/2022	T17	N	1	0	4/8	2	2	1	0
Winter-22	08/12/2022	T20	N	1	0	3/8	2	2	1	0
Winter-22	12/12/2022	T18	E	1	0	1/8	2	4	1	0
Winter-22	12/12/2022	T21	E	1	0	1/8	2	4	1	0
Winter-22	19/12/2022	T13	S	4	3	8/8	2	4	0	0
Winter-22	19/12/2022	T16	S	5	3	8/8	1	4	0	0
Winter-23	09/01/2023	T14	W	4	1	7/8	2	4	0	0
Winter-23	09/01/2023	T15	W	3	0	2/8	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Winter-23	13/01/2023	T13	W	4	0	4/8	2	4	0	0
Winter-23	13/01/2023	T16	W	3	0	3/8	2	4	0	0
Winter-23	19/01/2023	T19	W	1	0	4/8	2	3	1	0
Winter-23	19/01/2023	T18	W	1	0	2/8	2	4	1	0
Winter-23	20/01/2023	T21	SE	1	0	5/8	2	4	1	0
Winter-23	23/01/2023	T17	S	1	0	8/8	1	1	0	0
Winter-23	23/01/2023	T20	S	1	0	8/8	1	1	0	0
Winter-23	03/02/2023	T14	SW	2	0	7/8	2	4	0	0
Winter-23	03/02/2023	T15	SW	3	0	7/8	2	4	0	0
Winter-23	09/02/2023	T19	SW	2	0	2/8	2	4	0	0
Winter-23	09/02/2023	T17	SW	3	0	3/8	2	4	0	0
Winter-23	10/02/2023	T13	SW	4	0	8/8	2	4	0	0
Winter-23	10/02/2023	T16	SW	4	0	8/8	2	4	0	0
Winter-23	13/02/2023	T20	S	4	0	4/8	2	4	0	0
Winter-23	14/02/2023	T18	S	4	2	8/8	2	4	0	0
Winter-23	14/02/2023	T21	S	4	0	8/8	2	4	0	0
Winter-23	15/02/2023	T11	S	3	0	2/8	2	4	0	0
Winter-23	15/02/2023	T12	S	4	0	4/8	2	4	0	0
Winter-23	16/02/2023	T8	SW	3	0	8/8	1	1	0	0
Winter-23	03/03/2023	T19	N	2	0	8/8	2	4	0	0
Winter-23	03/03/2023	T14	NE	2	0	8/8	2	4	0	0
Winter-23	03/03/2023	T15	NE	2	0	8/8	2	4	0	0
Winter-23	07/03/2023	T13	NE	2	0	1/8	2	4	0	0
Winter-23	07/03/2023	T16	NE	2	0	1/8	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Winter-23	08/03/2023	T18	NE	3	0	6/8	2	4	0	0
Winter-23	14/03/2023	T17	W	4	0	7/8	2	4	0	0
Winter-23	14/03/2023	T21	W	4	0	7/8	2	4	0	0
Winter-23	16/03/2023	T11	S	4	0	7/8	2	4	0	0
Winter-23	16/03/2023	T12	S	4	0	7/8	2	4	0	0
Winter-23	20/03/2023	T20	S	4	1	8/8	2	4	0	0
Winter-23	20/03/2023	T8	S	4	0	8/8	2	4	0	0
Breeding-23	06/04/2023	T6	NW	2	1	7	2	4	0	0
Breeding-23	07/04/2023	T16	S	3	0	2	2	4	0	0
Breeding-23	13/04/2023	T14	W	5	0	5	2	4	0	0
Breeding-23	05/04/2023	T5	WSW	3	0	8	2	4	0	0
Breeding-23	05/04/2023	T4	WSW	3	0	8	2	4	0	0
Breeding-23	05/04/2023	T1	WSW	2	0	8	2	4	0	0
Breeding-23	06/04/2023	T10	NW	3	0	6	2	4	0	0
Breeding-23	06/04/2023	T9	NW	3	0	6	2	4	0	0
Breeding-23	07/04/2023	T2	SSW	3	0	4	2	4	0	0
Breeding-23	13/04/2023	T11	W	4	0	7	2	4	0	0
Breeding-23	24/04/2023	T3	NE	3	0	7	2	4	0	0
Breeding-23	25/04/2023	T7	NE	3	0	3	2	4	0	0
Breeding-23	25/04/2023	T8	NE	2	0	4	2	4	0	0
Breeding-23	25/04/2023	T12	E	2	0	5	2	4	0	0
Breeding-23	26/04/2023	T15	SE	3	0	7	2	4	0	0
Breeding-23	26/04/2023	T13	SE	4	0	7	2	4	0	0
Breeding-23	26/04/2023	T21	SE	4	0	7	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-23	27/04/2023	T19	SE	3	0	8	2	4	0	0
Breeding-23	28/04/2023	T17	W	3	4	8	2	4	0	0
Breeding-23	28/04/2023	T18	W	3	0	8	2	4	0	0
Breeding-23	28/04/2023	T20	W	3	0	8	2	4	0	0
Breeding-23	04/05/2023	T6	E	4	0	6	2	4	0	0
Breeding-23	24/05/2023	T4	W	2	0	4	2	4	0	0
Breeding-23	24/05/2023	T5	W	2	0	3	2	4	0	0
Breeding-23	09/05/2023	T1	W	2	2	8	2	4	0	0
Breeding-23	20/05/2023	T9	SE	2	0	6	2	4	0	0
Breeding-23	22/05/2023	T3	N	3	0	5	2	4	0	0
Breeding-23	22/05/2023	T2	N	3	0	5	2	4	0	0
Breeding-23	23/05/2023	T10	N	3	0	4	2	4	0	0
Breeding-23	23/05/2023	T8	N	2	0	4	2	4	0	0
Breeding-23	25/05/2023	T11	N	3	0	7	2	4	0	0
Breeding-23	25/05/2023	T12	NW	4	0	8	2	4	0	0
Breeding-23	26/05/2023	T19	NE	2	0	3	2	4	0	0
Breeding-23	26/05/2023	T16	NE	2	0	7	2	4	0	0
Breeding-23	27/05/2023	T18	N	2	0	6	2	4	0	0
Breeding-23	27/05/2023	T17	N	2	0	6	2	4	0	0
Breeding-23	29/05/2023	T20	E	2	0	5	2	4	0	0
Breeding-23	29/05/2023	T21	E	2	0	5	2	4	0	0
Breeding-23	29/05/2023	T14	E	2	0	5	2	4	0	0
Breeding-23	29/05/2023	T15	E	2	0	4	2	4	0	0
Breeding-23	30/05/2023	T13	E	2	0	2	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-23	30/05/2023	T7	E	2	0	3	2	4	0	0
Breeding-23	04/05/2023	T6	E	4	0	6	2	4	0	0
Breeding-23	24/05/2023	T4	W	2	0	4	2	4	0	0
Breeding-23	24/05/2023	T5	W	2	0	3	2	4	0	0
Breeding-23	05/06/2023	T21	E	3	0	2	2	4	0	0
Breeding-23	09/06/2023	T9	E	3	0	5	2	4	0	0
Breeding-23	15/06/2023	T13	SE	3	0	3	2	4	0	0
Breeding-23	15/06/2023	T16	SE	3	0	5	2	4	0	0
Breeding-23	16/06/2023	T14	SE	3	0	7	2	4	0	0
Breeding-23	21/06/2023	T1	SW	2	0	7	2	4	0	0
Breeding-23	21/06/2023	T2	SW	2	0	7	2	4	0	0
Breeding-23	21/06/2023	T3	W	3	0	7	2	4	0	0
Breeding-23	26/06/2023	T10	W	3	2	7	2	4	0	0
Breeding-23	27/06/2023	T19	SW	3	0	7	2	4	0	0
Breeding-23	27/06/2023	T18	SW	3	0	7	2	4	0	0
Breeding-23	28/06/2023	T11	NW	2	3	7	2	4	0	0
Breeding-23	28/06/2023	T12	NW	2	3	7	2	4	0	0
Breeding-23	28/06/2023	T15	NW	2	0	7	2	4	0	0
Breeding-23	29/06/2023	T17	W	3	0	6	2	4	0	0
Breeding-23	29/06/2023	T20	W	3	0	6	2	4	0	0
Breeding-23	30/06/2023	T7	W	3	1	8	1	4	0	0
Breeding-23	30/06/2023	T8	W	3	1	8	1	3	0	0
Breeding-23	05/07/2023	T4	W	2	0	6	2	4	0	0
Breeding-23	05/07/2023	T5	W	3	1	7	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-23	07/07/2023	T6	S	3	1	7	2	4	0	0
Breeding-23	12/07/2023	T12	W	4	0	7	2	4	0	0
Breeding-23	20/07/2023	T3	NW	2	0	6	2	4	0	0
Breeding-23	20/07/2023	T8	NW	2	0	6	2	4	0	0
Breeding-23	20/07/2023	T9	NW	2	0	6	2	4	0	0
Breeding-23	21/07/2023	T10	SW	3	2	8	2	4	0	0
Breeding-23	24/07/2023	T15	NW	2	0	7	2	4	0	0
Breeding-23	24/07/2023	T16	NW	2	0	6	2	4	0	0
Breeding-23	25/07/2023	T11	W	2	0	7	2	4	0	0
Breeding-23	25/07/2023	T21	W	2	0	7	2	4	0	0
Breeding-23	25/07/2023	T20	W	2	0	6	2	4	0	0
Breeding-23	27/07/2023	T1	W	2	0	6	2	4	0	0
Breeding-23	28/07/2023	T7	SW	3	0	7	2	4	0	0
Breeding-23	28/07/2023	T14	SW	3	0	7	2	4	0	0
Breeding-23	28/07/2023	T13	SW	3	0	6	2	4	0	0
Breeding-23	31/07/2023	T18	SW	2	1	8	2	4	0	0
Breeding-23	31/07/2023	T17	SW	2	2	8	2	4	0	0
Breeding-23	31/07/2023	T19	SW	2	3	8	2	4	0	0
Breeding-23	02/08/2023	T4	N	3	0	8	2	4	0	0
Breeding-23	02/08/2023	T5	N	3	0	7	2	4	0	0
Breeding-23	03/08/2023	T6	NW	3	1	8	2	4	0	0
Breeding-23	08/08/2023	T11	NW	1	0	6	2	4	0	0
Breeding-23	09/08/2023	T1	SW	3	0	7	2	4	0	0
Breeding-23	09/08/2023	T3	SW	2	0	7	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-23	11/08/2023	T10	SW	3	0	7	2	4	0	0
Breeding-23	15/08/2023	T9	NW	2	2	6	2	4	0	0
Breeding-23	15/08/2023	T12	NW	2	0	6	2	4	0	0
Breeding-23	16/08/2023	T18	E	1	0	6	2	4	0	0
Breeding-23	17/08/2023	T2	SE	3	0	7	2	4	0	0
Breeding-23	18/08/2023	T17	SE	3	2	8	2	4	0	0
Breeding-23	22/08/2023	T20	SW	3	3	8	2	4	0	0
Breeding-23	22/08/2023	T21	SW	3	0	7	2	4	0	0
Breeding-23	23/08/2023	T19	W	2	0	7	2	4	0	0
Breeding-23	23/08/2023	T15	W	2	0	7	2	4	0	0
Breeding-23	31/08/2023	T7	S	2	1	8	1	3	0	0
Breeding-23	31/08/2023	T8	S	2	0	8	2	4	0	0
Breeding-23	31/08/2023	T16	S	2	0	8	2	4	0	0
Breeding-23	31/08/2023	T13	S	2	0	8	2	4	0	0
Breeding-23	31/08/2023	T14	S	2	2	8	2	4	0	0
Breeding-23	25/09/2023	T4	SW	4	0	7	2	4	0	0
Breeding-23	25/09/2023	T5	SW	4	0	7	2	4	0	0
Breeding-23	29/09/2023	T6	SW	3	0	3	2	4	0	0
Winter-23	03/10/2023	T20	W	3	0	7	2	4	0	0
Winter-23	03/10/2023	T21	W	3	0	7	2	4	0	0
Winter-23	04/10/2023	T9	SW	4	1	8	2	4	0	0
Winter-23	04/10/2023	T8	SW	4	0	7	2	4	0	0
Winter-23	06/10/2023	T3	SW	2	3	8	2	3	0	0
Winter-23	06/10/2023	T7	SW	3	0	8	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Winter-23	09/10/2023	T19	SW	2	0	1	2	4	0	0
Winter-23	10/10/2023	T2	SW	2	0	7	2	4	0	0
Winter-23	11/10/2023	T1	NW	2	0	8	2	4	0	0
Winter-23	06/10/2023	T10	SW	3	0	6	2	4	0	0
Winter-23	11/10/2023	T15	N	2	0	7	2	4	0	0
Winter-23	11/10/2023	T16	N	2	0	7	2	4	0	0
Winter-23	12/10/2023	T17	SE	2	0	6	2	4	0	0
Winter-23	13/10/2023	T18	NW	3	0	7	2	4	0	0
Winter-23	13/10/2023	T14	NW	3	0	7	2	4	0	0
Winter-23	13/10/2023	T11	NW	3	0	7	2	4	0	0
Winter-23	13/10/2023	T12	NW	3	0	7	2	4	0	0
Winter-23	14/10/2023	T13	W	3	3	6	2	4	0	0
Winter-23	18/10/2023	T6	E	4	2	8	2	4	0	0
Winter-23	18/10/2023	T4	E	4	5	8	1	3	0	0
Winter-23	19/10/2023	T5	E	3	0	8	2	4	0	0
Winter-23	02/11/2023	T21	SW	4	0	4	2	4	0	0
Winter-23	03/11/2023	T19	W	2	0	3	2	4	0	0
Winter-23	06/11/2023	T20	W	4	0	3	2	4	0	0
Winter-23	08/11/2023	T3	SW	3	0	1	2	4	0	0
Winter-23	08/11/2023	T2	SW	4	2	4	2	4	0	0
Winter-23	09/11/2023	T9	W	3	2	7	2	4	0	0
Winter-23	09/11/2023	T7	W	4	0	7	2	4	0	0
Winter-23	13/11/2023	T8	W	5	1	4	2	4	0	0
Winter-23	13/11/2023	T1	W	4	0	6	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Winter-23	20/11/2023	T16	NW	2	0	4	2	4	0	0
Winter-23	21/11/2023	T12	NW	1	0	7	2	4	0	0
Winter-23	21/11/2023	T11	NW	1	0	7	2	4	0	0
Winter-23	21/11/2023	T17	WNW	1	0	7	2	4	0	0
Winter-23	22/11/2023	T15	W	3	0	6	2	4	0	0
Winter-23	23/11/2023	T18	W	3	2	5	2	4	0	0
Winter-23	24/11/2023	T14	N	1	0	4	2	4	0	0
Winter-23	27/11/2023	T10	NW	4	0	4	2	4	0	0
Winter-23	27/11/2023	T5	N	4	0	3	2	4	0	0
Winter-23	27/11/2023	T4	N	3	0	4	2	4	0	0
Winter-23	28/11/2023	T13	W	0	0	5	2	4	1	0
Winter-23	28/11/2023	T6	W	1	0	4	2	4	0	0
Winter-23	04/12/2023	T21	NW	2	0	1	2	4	1	0
Winter-23	04/12/2023	T20	NW	2	0	1	2	4	1	0
Winter-23	05/12/2023	T19	NW	2	0	3	2	4	1	0
Winter-23	06/12/2023	T9	SE	4	0	8	2	4	0	0
Winter-23	06/12/2023	T8	SE	4	3	4	2	4	0	0
Winter-23	07/12/2023	T7	SE	3	3	8	2	4	0	0
Winter-23	07/12/2023	T3	S	2	0	7	2	4	0	0
Winter-23	08/12/2023	T1	S	4	3	8	2	4	0	0
Winter-23	11/12/2023	T2	SW	2	0	2	2	4	0	0
Winter-23	06/12/2023	T10	SE	4	4	7	2	4	0	0
Winter-23	18/12/2023	T15	SW	2	1	8	2	4	0	0
Winter-23	19/12/2023	T13	W	4	0	7	2	4	4	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Winter-23	19/12/2023	T16	W	4	2	7	2	4	0	0
Winter-23	19/12/2023	T17	W	4	0	4	2	4	0	0
Winter-23	19/12/2023	T4	W	4	0	4	2	4	0	0
Winter-23	20/12/2023	T6	W	5	0	8	2	4	0	0
Winter-23	20/12/2023	T12	W	5	2	8	2	4	0	0
Winter-23	20/12/2023	T18	W	4	1	8	2	4	0	0
Winter-23	21/12/2023	T14	NW	5	0	7	2	4	0	0
Winter-23	22/12/2023	T5	W	4	0	7	2	4	0	0
Winter-23	22/12/2023	T11	W	4	0	7	2	4	0	0
Winter-24	03/01/2024	T21	W	1	0	7	2	3	0	0
Winter-24	03/01/2024	T20	W	1	0	7	2	4	0	0
Winter-24	04/01/2024	T19	S	2	0	1	2	4	0	0
Winter-24	05/01/2024	T2	W	1	0	3	2	4	0	0
Winter-24	08/01/2024	T3	E	1	0	7	2	4	1	0
Winter-24	08/01/2024	T7	E	1	0	7	2	4	1	0
Winter-24	12/01/2024	T1	W	1	0	8	2	4	0	0
Winter-24	15/01/2024	T9	NW	1	0	2	2	4	1	0
Winter-24	15/01/2024	T8	NW	2	0	2	2	4	1	0
Winter-24	02/01/2024	T12	SW	3	1	8	2	4	0	0
Winter-24	03/01/2024	T5	SW	1	0	8	2	4	0	0
Winter-24	03/01/2024	T4	SW	1	0	7	2	4	0	0
Winter-24	03/01/2024	T6	W	1	0	7	2	4	0	0
Winter-24	03/01/2024	T16	W	2	0	6	2	4	0	0
Winter-24	10/01/2024	T11	NE	1	0	0	2	4	2	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Winter-24	10/01/2024	T10	NE	1	0	0	2	4	2	0
Winter-24	10/01/2024	T15	NE	1	0	2	2	4	2	0
Winter-24	11/01/2024	T18	NE	3	0	8	2	4	0	0
Winter-24	25/01/2024	T17	SW	4	2	7	2	4	0	0
Winter-24	25/01/2024	T13	SW	3	3	7	2	4	0	0
Winter-24	26/01/2024	T14	SW	4	2	5	2	4	0	0
Winter-24	01/02/2024	T21	SW	2	0	6	2	4	0	0
Winter-24	01/02/2024	T20	SW	2	0	7	2	4	0	0
Winter-24	02/02/2024	T9	SW	4	2	8	2	4	0	0
Winter-24	02/02/2024	T8	SW	4	0	8	2	4	0	0
Winter-24	06/02/2024	T2	NW	3	3	8	2	4	0	0
Winter-24	07/02/2024	T19	NE	1	0	7	2	4	0	0
Winter-24	13/02/2024	T7	E	2	0	7	2	4	0	0
Winter-24	13/02/2024	T3	E	2	0	7	2	4	0	0
Winter-24	14/02/2024	T1	S	2	0	8	2	4	0	0
Winter-24	20/02/2024	T4	SW	1	0	7	2	4	0	0
Winter-24	20/02/2024	T5	SW	1	0	7	2	4	0	0
Winter-24	20/02/2024	T17	SW	2	2	7	2	4	0	0
Winter-24	20/02/2024	T18	SW	2	0	7	2	4	0	0
Winter-24	21/02/2024	T14	SW	3	2	7	2	4	0	0
Winter-24	23/02/2024	T6	W	2	0	8	2	4	0	0
Winter-24	23/02/2024	T13	W	2	0	6	2	4	0	0
Winter-24	28/02/2024	T11	SW	2	0	7	2	4	0	0
Winter-24	28/02/2024	T15	SW	2	2	7	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Winter-24	29/02/2024	T10	SW	2	0	7	2	4	0	0
Winter-24	29/02/2024	T12	SW	2	3	8	2	4	0	0
Winter-24	29/02/2024	T16	SW	2	4	8	2	3	0	0
Winter-24	04/03/2024	T19	SE	4	1	8	2	4	0	0
Winter-24	05/03/2024	T21	SW	3	0	3	2	4	0	0
Winter-24	05/03/2024	T20	SW	3	0	3	2	4	0	0
Winter-24	06/03/2024	T3	SE	4	0	8	2	4	0	0
Winter-24	06/03/2024	T9	SE	3	0	8	2	4	0	0
Winter-24	07/03/2024	T2	SE	2	0	4	2	4	0	0
Winter-24	08/03/2024	T1	E	3	0	6	2	4	0	0
Winter-24	11/03/2024	T8	S	2	0	8	2	4	0	0
Winter-24	04/03/2024	T7	SW	2	0	8	2	4	0	0
Winter-24	05/03/2024	T12	SW	4	0	5	2	4	0	0
Winter-24	05/03/2024	T11	SW	4	0	6	2	4	0	0
Winter-24	05/03/2024	T4	SW	2	0	7	2	4	0	0
Winter-24	06/03/2024	T10	SE	5	0	8	2	4	0	0
Winter-24	06/03/2024	T13	SE	5	0	8	2	4	0	0
Winter-24	06/03/2024	T14	SE	4	0	8	2	4	0	0
Winter-24	06/03/2024	T17	SE	4	0	8	2	4	0	0
Winter-24	13/03/2024	T5	W	1	4	8	2	3	0	0
Winter-24	13/03/2024	T6	W	1	1	8	2	3	0	0
Winter-24	13/03/2024	T18	W	1	0	8	2	4	0	0
Winter-24	14/03/2024	T15	S	2	4	8	2	3	0	0
Winter-24	15/03/2024	T16	NW	2	0	5	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-24	02/04/2024	T21	E	1	0	6	2	4	0	0
Breeding-24	02/04/2024	T20	E	1	0	6	2	4	0	0
Breeding-24	03/04/2024	T6	SW	1	1	7	2	4	0	0
Breeding-24	04/04/2024	T3	SE	2	0	8	2	4	0	0
Breeding-24	04/04/2024	T2	SE	2	0	8	2	4	0	0
Breeding-24	09/04/2024	T19	NW	3	0	4	2	4	0	0
Breeding-24	15/04/2024	T4	W	4	1	7	2	4	0	0
Breeding-24	15/04/2024	T1	W	4	0	6	2	4	0	0
Breeding-24	15/04/2024	T5	W	4	3	7	2	4	0	0
Breeding-24	08/04/2024	T7	NE	1	1	8	2	4	0	0
Breeding-24	08/04/2024	T11	NE	2	1	8	1	3	0	0
Breeding-24	08/04/2024	T12	N	2	1	8	2	3	0	0
Breeding-24	09/04/2024	T13	NW	5	2	3	2	4	0	0
Breeding-24	09/04/2024	T16	NW	5	0	4	2	4	0	0
Breeding-24	09/04/2024	T17	NW	4	0	5	2	4	0	0
Breeding-24	09/04/2024	T15	NW	4	0	6	2	4	0	0
Breeding-24	10/04/2024	T18	SW	3	0	8	2	4	0	0
Breeding-24	10/04/2024	T8	SW	3	0	8	2	4	0	0
Breeding-24	10/04/2024	T10	SW	4	4	8	1	3	0	0
Breeding-24	11/04/2024	T14	SW	4	2	8	2	4	0	0
Breeding-24	18/04/2024	T9	W	2	0	6	2	4	0	0
Breeding-24	07/05/2024	T21	NE	2	0	3	2	4	0	0
Breeding-24	07/05/2024	T20	NE	2	0	5	2	4	0	0
Breeding-24	08/05/2024	T19	S	1	0	7	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-24	09/05/2024	T6	S	1	0	7	2	4	0	0
Breeding-24	09/05/2024	T3	S	1	0	8	2	4	0	0
Breeding-24	10/05/2024	T4	S	3	0	1	2	4	0	0
Breeding-24	10/05/2024	T1	S	3	0	1	2	4	0	0
Breeding-24	10/05/2024	T5	S	3	0	1	2	4	0	0
Breeding-24	14/05/2024	T2	E	1	0	8	2	4	0	0
Breeding-24	09/05/2024	T14	SW	1	0	4	2	4	0	0
Breeding-24	09/05/2024	T15	SW	1	0	3	2	4	0	0
Breeding-24	09/05/2024	T16	SW	1	0	3	2	4	0	0
Breeding-24	10/05/2024	T17	S	3	0	3	2	4	0	0
Breeding-24	10/05/2024	T11	S	3	0	2	2	4	0	0
Breeding-24	13/05/2024	T8	SE	2	0	7	2	4	0	0
Breeding-24	13/05/2024	T9	SE	2	0	6	2	4	0	0
Breeding-24	14/05/2024	T7	E	3	0	6	2	4	0	0
Breeding-24	14/05/2024	T12	E	3	0	7	2	4	0	0
Breeding-24	15/05/2024	T18	E	3	0	4	2	4	0	0
Breeding-24	16/05/2024	T10	NE	2	0	4	2	4	0	0
Breeding-24	16/05/2024	T13	NE	1	0	1	2	4	0	0
Breeding-24	04/06/2024	T2	W	4	0	3	2	4	0	0
Breeding-24	05/06/2024	T21	W	3	0	5	2	4	0	0
Breeding-24	05/06/2024	T20	W	3	0	6	2	4	0	0
Breeding-24	06/06/2024	T19	W	3	0	4	2	4	0	0
Breeding-24	10/06/2024	T3	N	3	0	7	2	4	0	0
Breeding-24	10/06/2024	T6	N	3	0	7	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-24	11/06/2024	T4	NW	3	0	3	2	4	0	0
Breeding-24	11/06/2024	T1	NW	3	0	4	2	4	0	0
Breeding-24	11/06/2024	T5	NW	3	1	7	2	4	0	0
Breeding-24	17/06/2024	T14	NW	1	0	6	2	4	0	0
Breeding-24	19/06/2024	T18	NW	1	0	2	2	4	0	0
Breeding-24	20/06/2024	T13	SW	1	0	6	2	4	0	0
Breeding-24	20/06/2024	T16	SW	1	0	6	2	4	0	0
Breeding-24	20/06/2024	T15	SW	1	0	6	2	4	0	0
Breeding-24	21/06/2024	T17	S	3	0	7	2	4	0	0
Breeding-24	24/06/2024	T12	SW	2	0	6	2	4	0	0
Breeding-24	24/06/2024	T8	SW	2	0	6	2	4	0	0
Breeding-24	25/06/2024	T9	N	2	0	7	2	4	0	0
Breeding-24	25/06/2024	T10	N	3	0	7	2	4	0	0
Breeding-24	25/06/2024	T11	N	3	0	7	2	4	0	0
Breeding-24	25/06/2024	T7	N	2	0	7	2	4	0	0
Breeding-24	01/07/2024	T21	W	2	1	8	2	4	0	0
Breeding-24	01/07/2024	T20	W	2	0	8	2	4	0	0
Breeding-24	02/07/2024	T6	W	2	0	8	2	4	0	0
Breeding-24	02/07/2024	T3	W	3	0	8	2	4	0	0
Breeding-24	04/07/2024	T19	W	4	0	7	2	4	0	0
Breeding-24	05/07/2024	T4	W	2	0	7	2	4	0	0
Breeding-24	05/07/2024	T1	W	2	0	7	2	4	0	0
Breeding-24	05/07/2024	T5	W	2	0	7	2	4	0	0
Breeding-24	08/07/2024	T2	E	1	1	1	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-24	22/07/2024	T15	SW	2	0	8	2	4	0	0
Breeding-24	22/07/2024	T10	W	2	2	8	2	4	0	0
Breeding-24	22/07/2024	T11	W	1	2	8	2	4	0	0
Breeding-24	23/07/2024	T18	N	1	0	6	2	4	0	0
Breeding-24	23/07/2024	T17	N	1	0	7	2	4	0	0
Breeding-24	23/07/2024	T12	N	1	0	8	2	4	0	0
Breeding-24	24/07/2024	T8	S	3	0	7	2	4	0	0
Breeding-24	29/07/2024	T7	SW	2	0	7	2	4	0	0
Breeding-24	29/07/2024	T9	SW	2	0	7	2	4	0	0
Breeding-24	30/07/2024	T14	NW	1	0	6	2	4	0	0
Breeding-24	30/07/2024	T13	NW	1	0	6	2	4	0	0
Breeding-24	31/07/2024	T16	SE	1	0	4	2	4	0	0
Breeding-24	01/08/2024	T21	SW	3	0	7	2	4	0	0
Breeding-24	01/08/2024	T20	SW	3	0	6	2	4	0	0
Breeding-24	06/08/2024	T6	SW	4	0	8	2	4	0	0
Breeding-24	06/08/2024	T3	SW	4	0	8	2	4	0	0
Breeding-24	07/08/2024	T19	W	4	0	8	2	4	0	0
Breeding-24	09/08/2024	T4	W	3	1	4	2	4	0	0
Breeding-24	09/08/2024	T1	W	4	0	6	2	4	0	0
Breeding-24	09/08/2024	T5	W	4	0	4	2	4	0	0
Breeding-24	12/08/2024	T2	W	4	0	4	2	4	0	0
Breeding-24	06/08/2024	T15	SW	3	2	8	2	4	0	0
Breeding-24	06/08/2024	T13	SW	4	2	7	2	4	0	0
Breeding-24	07/08/2024	T10	SW	4	0	7	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-24	07/08/2024	T11	SW	4	0	8	2	4	0	0
Breeding-24	08/08/2024	T14	SW	2	2	8	2	4	0	0
Breeding-24	19/08/2024	T12	SE	4	3	8	2	4	0	0
Breeding-24	19/08/2024	T8	S	4	3	8	2	4	0	0
Breeding-24	20/08/2024	T7	W	5	2	6	2	4	0	0
Breeding-24	20/08/2024	T17	W	4	0	4	2	4	0	0
Breeding-24	20/08/2024	T16	W	5	0	5	2	4	0	0
Breeding-24	21/08/2024	T9	SW	4	1	8	1	3	0	0
Breeding-24	21/08/2024	T18	SW	4	0	8	2	4	0	0
Breeding-24	03/09/2024	T19	W	3	3	8	2	4	0	0
Breeding-24	04/09/2024	T21	W	3	1	8	2	4	0	0
Breeding-24	04/09/2024	T20	W	3	0	8	2	4	0	0
Breeding-24	05/09/2024	T6	NE	4	0	7	2	4	0	0
Breeding-24	05/09/2024	T3	NE	4	0	7	2	4	0	0
Breeding-24	06/09/2024	T4	NE	3	0	3	2	4	0	0
Breeding-24	06/09/2024	T1	NE	3	0	4	2	4	0	0
Breeding-24	06/09/2024	T5	NE	3	0	4	2	4	0	0
Breeding-24	09/09/2024	T2	W	4	0	7	2	4	0	0
Breeding-24	03/09/2024	T11	NW	2	0	8	2	4	0	0
Breeding-24	04/09/2024	T9	NW	4	2	5	2	4	0	0
Breeding-24	04/09/2024	T10	NW	4	0	5	2	4	0	0
Breeding-24	05/09/2024	T18	NE	2	0	4	2	4	0	0
Breeding-24	05/09/2024	T17	NE	3	0	6	2	4	0	0
Breeding-24	12/09/2024	T7	NW	3	0	4	2	4	0	0

Breeding & Winter Transect Survey Effort										
Season	Date	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Cloud Height	Visibility	Frost	Snow
Breeding-24	13/09/2024	T8	S	2	0	8	2	4	0	0
Breeding-24	13/09/2024	T12	S	2	0	8	2	4	0	0
Breeding-24	13/09/2024	T16	S	4	0	8	2	4	0	0
Breeding-24	13/09/2024	T13	S	4	0	8	2	4	0	0
Breeding-24	16/09/2024	T14	S	2	0	3	2	4	0	0
Breeding-24	16/09/2024	T15	S	2	0	5	2	4	0	0

I-Webs and Breeding Waders Survey Effort

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	19/04/2022	Ref: 3	W	2	0	7/8	1	4	0
Breeding-22	19/04/2022	53.607979, -7.857910	W	2	0	7/8	1	4	0
Breeding-22	19/04/2022	Ref: 2	W	2	0	7/8	1	4	0
Breeding-22	19/04/2022	Ref: 1	W	2	0	7/8	1	4	0
Breeding-22	20/04/2022	Ref: 22	SE	1	0	7/8	1	4	0
Breeding-22	20/04/2022	Ref: 23	SE	1	0	7/8	1	4	0
Breeding-22	20/04/2022	Ref: 24	SE	1	0	7/8	1	4	0
Breeding-22	20/04/2022	Ref: 25	SE	1	0	7/8	1	4	0
Breeding-22	20/04/2022	Ref: 9	SE	1	0	7/8	1	4	0
Breeding-22	20/04/2022	Ref: 5	SE	1	0	7/8	1	4	0
Breeding-22	20/04/2022	Ref: 4	SE	1	0	7/8	1	4	0
Breeding-22	21/04/2022	Ref: 6	E	6	0	6/7	1	4	0
Breeding-22	21/04/2022	Ref: 7	E	6	0	6/7	1	4	0
Breeding-22	21/04/2022	Ref: 8	E	6	0	6/7	1	4	0
Breeding-22	21/04/2022	Ref: 10	E	6	0	6/7	1	4	0
Breeding-22	21/04/2022	Ref: 13	E	6	0	6/7	1	4	0
Breeding-22	21/04/2022	Ref: 12	E	6	0	6/7	1	4	0
Breeding-22	21/04/2022	Ref: 15	E	6	0	6/7	1	4	0
Breeding-22	21/04/2022	Ref: 14	E	6	0	6/7	1	4	0
Breeding-22	21/04/2022	Ref: 19	E	6	0	6/7	1	4	0
Breeding-22	21/04/2022	Ref: 20	E	6	0	6/7	1	4	0
Breeding-22	21/04/2022	Ref: 17	E	6	0	6/7	1	4	0
Breeding-22	21/04/2022	Ref: 18	E	6	0	6/7	1	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	22/04/2022	53.721786, -7.909405.	NE	3	0	8/8	1	4	0
Breeding-22	22/04/2022	53.714470, -7.911256.	NE	3	0	8/8	1	4	0
Breeding-22	22/04/2022	53.716144, -7.912804	NE	3	0	8/8	1	4	0
Breeding-22	22/04/2022	53.715838, -7.918620	NE	3	0	8/8	1	4	0
Breeding-22	22/04/2022	53.713490, -7.924625	NE	3	0	8/8	1	4	0
Breeding-22	22/04/2022	53.717552, -7.904746	NE	3	0	8/8	1	4	0
Breeding-22	22/04/2022	53.687698, -7.882752	NE	3	0	8/8	1	4	0
Breeding-22	17/05/2022	VPS 10,7,8	SSW	3	3	7/8	2	4	0
Breeding-22	04/05/2022	Ref: 3	SW	3	1	7/8	1	4	0
Breeding-22	04/05/2022	Corlea Wetlands.	SW	3	1	7/8	1	4	0
Breeding-22	04/05/2022	Ref: 24	SW	3	1	7/8	1	4	0
Breeding-22	04/05/2022	Ref: 25	SW	3	1	7/8	1	4	0
Breeding-22	04/05/2022	Ref: 2	SW	3	1	7/8	1	4	0
Breeding-22	05/05/2022	Ref: 1	SW	3	1	7/8	1	4	0
Breeding-22	10/05/2022	Rhynmount Canal Bridge.	SW	6	0	6/8	1	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	10/05/2022	Rhynmount Bog.	SW	6	0	6/8	1	4	0
Breeding-22	10/05/2022	Rhynmount Bog.	SW	6	0	6/8	1	4	0
Breeding-22	10/05/2022	Rhynmount Bog.	SW	6	0	6/8	1	4	0
Breeding-22	10/05/2022	Rhynmount Bog.	SW	6	0	6/8	1	4	0
Breeding-22	10/05/2022	Rhynmount Bog.	SW	6	0	6/8	1	4	0
Breeding-22	11/05/2022	Ref: 12	W	6	0	7/8	1	4	0
Breeding-22	11/05/2022	Ref: 13	W	6	0	7/8	1	4	0
Breeding-22	11/05/2022	Ref: 11	W	6	0	7/8	1	4	0
Breeding-22	11/05/2022	Ref: 14	W	6	0	7/8	1	4	0
Breeding-22	11/05/2022	Ref: 15	W	6	0	7/8	1	4	0
Breeding-22	11/05/2022	Ref: 17	W	6	0	7/8	1	4	0
Breeding-22	11/05/2022	Ref: 20	W	6	0	7/8	1	4	0
Breeding-22	11/05/2022	Ref: 19	W	6	0	7/8	1	4	0
Breeding-22	11/05/2022	Ref: 18	W	6	0	7/8	1	4	0
Breeding-22	11/05/2022	Ref: 21	W	6	0	7/8	1	4	0
Breeding-22	11/05/2022	Ref: 22	W	6	0	7/8	1	4	0
Breeding-22	11/05/2022	Ref: 23	W	6	0	7/8	1	4	0
Breeding-22	11/05/2022	Ref: 6	W	6	0	7/8	1	4	0
Breeding-22	12/05/2022	Ref: 5	SW	5	0	7/8	1	4	0
Breeding-22	12/05/2022	Ref: 9	SW	5	0	7/8	1	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	12/05/2022	Ref: 4	SW	5	0	7/8	1	4	0
Breeding-22	10/06/2022	Ref: 11	SW	5	0	4/8	2	4	0
Breeding-22	10/06/2022	Ref: 7	SW	5	0	4/8	2	4	0
Breeding-22	10/06/2022	Ref: 7	SW	5	0	4/8	2	4	0
Breeding-22	10/06/2022	Ref: 10	SW	5	0	4/8	2	4	0
Breeding-22	10/06/2022	Ref: 8	SW	5	0	4/8	2	4	0
Breeding-22	10/06/2022	Ref: 6	SW	5	0	4/8	2	4	0
Breeding-22	10/06/2022	Ref: 9	SW	5	0	4/8	2	4	0
Breeding-22	10/06/2022	Ref: 9	SW	5	0	4/8	2	4	0
Breeding-22	10/06/2022	Ref: 5	SW	4	0	3/8	2	4	0
Breeding-22	10/06/2022	Ref: 5	SW	4	0	3/8	2	4	0
Breeding-22	10/06/2022	Ref: 5	SW	4	0	3/8	2	4	0
Breeding-22	10/06/2022	Ref: 5	SW	4	0	3/8	2	4	0
Breeding-22	10/06/2022	Ref: 4	SW	4	0	3/8	2	4	0
Breeding-22	10/06/2022	Ref: 4	SW	4	0	3/8	2	4	0
Breeding-22	10/06/2022	Ref: 4	SW	4	0	3/8	2	4	0
Breeding-22	14/06/2022	Rhynmount Canal Bridge.	SW	2	0	6/8	2	4	0
Breeding-22	14/06/2022	Rhynmount Bog.	SW	2	0	6/8	2	4	0
Breeding-22	14/06/2022	Rhynmount Bog.	SW	2	0	6/8	2	4	0
Breeding-22	14/06/2022	Rhynmount Bog.	SW	2	0	6/8	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	14/06/2022	Rhynmount Bog.	SW	2	0	6/8	2	4	0
Breeding-22	14/06/2022	Rhynmount Bog.	SW	2	0	6/8	2	4	0
Breeding-22	14/06/2022	Rhynmount Bog.	SW	1	0	7/8	2	4	0
Breeding-22	14/06/2022	Rhynmount Bog.	SW	1	0	7/8	2	4	0
Breeding-22	14/06/2022	Ref: 20	SW	1	0	7/8	2	4	0
Breeding-22	14/06/2022	Ref: 19	SW	2	0	8/8	2	4	0
Breeding-22	14/06/2022	Ref: 14	SW	2	0	8/8	2	4	0
Breeding-22	14/06/2022	Ref: 15	SW	2	0	8/8	2	4	0
Breeding-22	14/06/2022	Ref: 13	SW	2	0	8/8	2	4	0
Breeding-22	14/06/2022	Ref: 12	SW	2	0	8/8	2	4	0
Breeding-22	14/06/2022	Ref: 12	SW	2	0	7/8	2	4	0
Breeding-22	14/06/2022	Ref: 17	SW	2	0	7/8	2	4	0
Breeding-22	14/06/2022	Ref: 18	SW	2	0	7/8	2	4	0
Breeding-22	14/06/2022	Ref: 21	SW	2	0	7/8	2	4	0
Breeding-22	20/06/2022	Ref: 22	SW	1	0	1/8	2	4	0
Breeding-22	20/06/2022	Ref: 23	SW	1	0	1/8	2	4	0
Breeding-22	20/06/2022	Ref: 24	SW	1	0	1/8	2	4	0
Breeding-22	20/06/2022	Ref: 25	SW	1	0	1/8	2	4	0
Breeding-22	20/06/2022	Ref: 2	SW	1	0	1/8	2	4	0
Breeding-22	20/06/2022	Ref: 1	SW	1	0	1/8	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	20/06/2022	Ref: 3	SW	1	0	1/8	2	4	0
Breeding-22	20/06/2022	Corlea Wetlands.	SW	1	0	1/8	2	4	0
Breeding-22	20/06/2022	Corlea Wetlands.	SW	1	0	1/8	2	4	0
Breeding-22	20/06/2022	Corlea Wetlands.	SW	1	0	1/8	2	4	0
Breeding-22	20/06/2022	Corlea Wetlands.	SW	1	0	1/8	2	4	0
Breeding-22	20/06/2022	Corlea Wetlands.	SW	1	0	1/8	2	4	0
Breeding-22	06/07/2022	Site NW of T13	W	2	0	8/8	2	4	0
Breeding-22	06/07/2022	Ref No: 6	W	2	0	8/8	2	4	0
Breeding-22	06/07/2022	Ref No: 5	W	2	0	8/8	2	4	0
Breeding-22	06/07/2022	Ref No: 9	W	4	3	8/8	2	4	0
Breeding-22	06/07/2022	Ref No: 4	W	4	3	8/8	2	4	0
Breeding-22	06/07/2022	Ref No: 3	W	4	3	8/8	2	4	0
Breeding-22	11/07/2022	Ref No: 7	S	2	0	7/8	2	4	0
Breeding-22	11/07/2022	Ref No: 8	S	2	0	7/8	2	4	0
Breeding-22	11/07/2022	Ref No: 10	S	2	0	7/8	2	4	0
Breeding-22	11/07/2022	Ref No: 13	S	3	0	7/8	2	4	0
Breeding-22	11/07/2022	Ref No: 12	S	3	0	7/8	2	4	0
Breeding-22	11/07/2022	Ref No: 15	S	3	0	7/8	2	4	0
Breeding-22	11/07/2022	Ref No: 14	S	3	0	7/8	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	11/07/2022	Ref No: 17	S	3	0	7/8	2	4	0
Breeding-22	11/07/2022	Ref No: 19	S	3	0	7/8	2	4	0
Breeding-22	11/07/2022	Ref No: 20	S	3	0	7/8	2	4	0
Breeding-22	11/07/2022	Ref No: 18	S	3	0	7/8	2	4	0
Breeding-22	11/07/2022	Rhynmount Canal Bridge.	S	4	0	7/8	2	4	0
Breeding-22	11/07/2022	Rhynmount Bog.	S	4	0	7/8	2	4	0
Breeding-22	11/07/2022	Rhynmount Bog.	S	4	0	7/8	2	4	0
Breeding-22	11/07/2022	Rhynmount Bog.	S	4	0	7/8	2	4	0
Breeding-22	11/07/2022	Rhynmount Bog.	S	4	0	7/8	2	4	0
Breeding-22	11/07/2022	Ref No: 21	S	4	0	7/8	2	4	0
Breeding-22	14/07/2022	Ref No: 11	W	2	0	7/8	2	4	0
Breeding-22	14/07/2022	Ref No: 22	W	2	0	7/8	2	4	0
Breeding-22	14/07/2022	Ref No: 23	W	2	0	7/8	2	4	0
Breeding-22	14/07/2022	Ref No: 24	W	1	0	6/8	2	4	0
Breeding-22	14/07/2022	Ref No: 25	W	1	0	6/8	2	4	0
Breeding-22	14/07/2022	Ref No: 2	W	1	0	6/8	2	4	0
Breeding-22	14/07/2022	Ref No: 1	W	1	0	6/8	2	4	0
Breeding-22	14/07/2022	Corlea Wetlands	W	1	0	6/8	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	10/08/2022	Ref No: 7	SW	2	0	1/8	2	4	0
Breeding-22	10/08/2022	Ref No: 8	SW	2	0	1/8	2	4	0
Breeding-22	10/08/2022	Ref No: 10	SW	2	0	1/8	2	4	0
Breeding-22	10/08/2022	Ref No: 6	SW	2	0	0/8	2	4	0
Breeding-22	10/08/2022	Ref No: 5	SW	2	0	0/8	2	4	0
Breeding-22	10/08/2022	Ref No: 9	SW	2	0	0/8	2	4	0
Breeding-22	10/08/2022	Ref No: 4	SW	2	0	0/8	2	4	0
Breeding-22	10/08/2022	Ref No: 3	SW	2	0	0/8	2	4	0
Breeding-22	10/08/2022	Corlea Wetlands	SW	2	0	0/8	2	4	0
Breeding-22	11/08/2022	Rhynmount Canal Bridge.	SW	1	0	0/8	2	4	0
Breeding-22	11/08/2022	Rhynmount Bog.	SW	1	0	0/8	2	4	0
Breeding-22	11/08/2022	Rhynmount Bog.	SW	1	0	0/8	2	4	0
Breeding-22	11/08/2022	Rhynmount Bog.	SW	1	0	0/8	2	4	0
Breeding-22	11/08/2022	Rhynmount Bog.	SW	1	0	0/8	2	4	0
Breeding-22	11/08/2022	Ref No: 13	SW	1	0	1/8	2	4	0
Breeding-22	11/08/2022	Ref No: 12	SW	1	0	1/8	2	4	0
Breeding-22	11/08/2022	Ref No: 15	SW	1	0	1/8	2	4	0
Breeding-22	11/08/2022	Ref No: 14	SW	1	0	1/8	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	11/08/2022	Ref No: 17	SW	1	0	1/8	2	4	0
Breeding-22	11/08/2022	Ref No: 18	SW	1	0	1/8	2	4	0
Breeding-22	11/08/2022	Ref No: 19	SW	1	0	0/8	2	4	0
Breeding-22	11/08/2022	Ref No: 20	SW	1	0	0/8	2	4	0
Breeding-22	23/08/2022	Ref No: 11	SW	2	0	3/8	2	4	0
Breeding-22	23/08/2022	Ref No: 21	SW	2	0	3/8	2	4	0
Breeding-22	23/08/2022	Ref No: 22	SW	2	0	4/8	2	4	0
Breeding-22	23/08/2022	Ref No: 23	SW	2	0	4/8	2	4	0
Breeding-22	23/08/2022	Ref No: 24	SW	2	0	4/8	2	4	0
Breeding-22	23/08/2022	Ref No: 25	SW	2	0	4/8	2	4	0
Breeding-22	23/08/2022	Ref No: 2	SW	2	0	4/8	2	4	0
Breeding-22	23/08/2022	Ref No: 1	SW	2	0	4/8	2	4	0
Breeding-22	13/09/2022	Ref No: 7	N	1	0	8/8	2	4	0
Breeding-22	13/09/2022	Ref No: 8	N	1	0	8/8	2	4	0
Breeding-22	13/09/2022	Ref No: 10	N	1	0	8/8	2	4	0
Breeding-22	13/09/2022	Ref No: 6	N	1	0	8/8	2	4	0
Breeding-22	13/09/2022	Ref No: 9	N	1	0	7/8	2	4	0
Breeding-22	13/09/2022	Ref No: 5	N	1	0	7/8	2	4	0
Breeding-22	13/09/2022	Ref No: 4	N	1	0	7/8	2	4	0
Breeding-22	13/09/2022	Ref No: 3	N	1	0	7/8	2	4	0
Breeding-22	13/09/2022	Ref No: 11	NW	1	0	7/8	2	4	0
Breeding-22	13/09/2022	Ref No: 21	NW	1	0	7/8	2	4	0
Breeding-22	14/09/2022	Rhynmount Bog.	NW	1	0	7/8	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	14/09/2022	Rhynmount Bog.	NW	1	0	7/8	2	4	0
Breeding-22	14/09/2022	Rhynmount Bog.	NW	1	0	8/8	2	4	0
Breeding-22	14/09/2022	Ref No: 20	NW	1	0	8/8	2	4	0
Breeding-22	14/09/2022	Ref No: 19	NW	1	0	7/8	2	4	0
Breeding-22	14/09/2022	Ref No: 14	NW	1	0	7/8	2	4	0
Breeding-22	14/09/2022	Ref No: 15	NW	1	0	7/8	2	4	0
Breeding-22	14/09/2022	Ref No: 13	NW	1	0	7/8	2	4	0
Breeding-22	14/09/2022	Ref No: 12	NW	1	0	7/8	2	4	0
Breeding-22	14/09/2022	Ref No: 17	NW	1	0	7/8	2	4	0
Breeding-22	14/09/2022	Ref No: 18	NW	1	0	7/8	2	4	0
Breeding-22	26/09/2022	Ref No: 22	NW	3	0	8/8	2	4	0
Breeding-22	26/09/2022	Ref No: 23	NW	3	0	8/8	2	4	0
Breeding-22	26/09/2022	Ref No: 24	NW	3	0	8/8	2	4	0
Breeding-22	26/09/2022	Ref No: 25	NW	4	0	8/8	2	4	0
Breeding-22	26/09/2022	Ref No: 2	NW	4	0	8/8	2	4	0
Breeding-22	26/09/2022	Ref No: 1	NW	4	0	8/8	2	4	0
Breeding-22	26/09/2022	Corlea Wetlands	NW	4	0	8/8	2	4	0
Winter-22	12/10/2022	Rhynmount Bog VP1	W	1	0	7/8	2	4	0
Winter-22	12/10/2022	Rhynmount Bog VP2	W	1	0	8/8	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-22	12/10/2022	Rhynmount Bog VP3	W	1	0	7/8	2	4	0
Winter-22	13/10/2022	Ref No 8	S	3	1	8/8	1	4	0
Winter-22	13/10/2022	Ref No 7	S	3	1	8/8	1	4	0
Winter-22	13/10/2022	Ref No 6	S	3	0	8/8	1	4	0
Winter-22	13/10/2022	Ref No 9	S	3	0	8/8	1	4	0
Winter-22	13/10/2022	Ref No 5	S	3	0	8/8	1	4	0
Winter-22	14/10/2022	Ref No 12	W	1	0	5/8	2	4	0
Winter-22	14/10/2022	Derrycashel Bog	W	1	0	6/8	2	4	0
Winter-22	14/10/2022	Ref No 14	W	2	0	2/8	2	4	0
Winter-22	14/10/2022	Ref No 15	W	2	0	2/8	2	4	0
Winter-22	14/10/2022	Ref No 17	W	2	0	2/8	2	4	0
Winter-22	14/10/2022	Ref No 20	W	2	0	2/8	2	4	0
Winter-22	14/10/2022	Ref No 19	W	1	0	3/8	2	4	0
Winter-22	14/10/2022	Ref No 18	W	1	0	5/8	2	4	0
Winter-22	14/10/2022	Ref No 21	W	1	0	5/8	2	4	0
Winter-22	14/10/2022	Ref No 11	W	1	0	5/8	2	4	0
Winter-22	14/10/2022	Ref No 22	W	1	0	5/8	2	4	0
Winter-22	08/11/2022	Ref No 8	S	3	0	3/8	2	4	0
Winter-22	08/11/2022	Ref No 10	S	3	1	6/8	2	4	0
Winter-22	08/11/2022	Ref No 7	S	3	1	6/8	2	4	0
Winter-22	08/11/2022	Ref No 6	S	3	1	6/8	2	4	0
Winter-22	08/11/2022	Ref No 5	S	3	0	7/8	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-22	08/11/2022	Ref No 9	S	4	0	7/8	2	4	0
Winter-22	16/11/2022	Rhynmount Bog VP1	E	1	0	1/8	2	4	0
Winter-22	16/11/2022	Rhynmount Bog VP2	E	1	0	1/8	2	4	0
Winter-22	16/11/2022	Rhynmount Bog VP3	E	1	0	1/8	2	4	0
Winter-22	16/11/2022	Ref No 13	E	1	0	2/8	2	4	0
Winter-22	16/11/2022	Ref No 12	E	1	0	3/8	2	4	0
Winter-22	16/11/2022	Derrycashel Bog	E	1	0	3/8	2	4	0
Winter-22	16/11/2022	Ref No 11	E	1	0	3/8	2	4	0
Winter-22	17/11/2022	Ref No 18	W	2	0	2/8	2	4	0
Winter-22	17/11/2022	Ref No 14	W	2	0	2/8	2	4	0
Winter-22	17/11/2022	Ref No 15	W	2	0	1/8	2	4	0
Winter-22	17/11/2022	Ref No 17	W	2	0	1/8	2	4	0
Winter-22	17/11/2022	Ref No 20	W	2	0	1/8	2	4	0
Winter-22	17/11/2022	Ref No 19	W	2	0	2/8	2	4	0
Winter-22	17/11/2022	Ref No 21	W	1	0	1/8	2	4	0
Winter-22	17/11/2022	Ref No 22	W	1	0	1/8	2	4	0
Winter-22	07/12/2022	Ref No 8	NW	1	0	2/8	2	4	0
Winter-22	07/12/2022	Ref No 10	NW	1	0	2/8	2	4	0
Winter-22	07/12/2022	Ref No 7	NW	1	0	2/8	2	4	0
Winter-22	07/12/2022	Ref No 5	NW	1	0	3/8	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-22	07/12/2022	Ref No 9	NW	1	0	4/8	2	4	0
Winter-22	07/12/2022	Ref No 6	NW	1	0	4/8	2	4	0
Winter-22	08/12/2022	Rhynmount Bog VP1	N	1	0	2/8	2	3	1
Winter-22	08/12/2022	Rhynmount Bog VP2	N	1	0	2/8	2	4	0
Winter-22	08/12/2022	Rhynmount Bog VP3	N	1	0	2/8	2	4	0
Winter-22	08/12/2022	Ref No 13	N	1	0	2/8	2	4	0
Winter-22	08/12/2022	Ref No 12	N	1	0	2/8	2	4	0
Winter-22	08/12/2022	Derrycashel Bog	W	1	0	1/8	2	4	0
Winter-22	12/12/2022	Ref No 15	E	1	0	1/8	2	4	1
Winter-22	12/12/2022	Ref No 14	E	1	0	1/8	2	4	1
Winter-22	12/12/2022	Ref No 18	E	1	0	1/8	2	4	1
Winter-22	12/12/2022	Ref No 17	E	1	0	1/8	2	4	1
Winter-22	12/12/2022	Ref No 19	E	1	0	2/8	2	4	1
Winter-22	12/12/2022	Ref No 18	E	1	0	2/8	2	4	1
Winter-22	12/12/2022	Ref No 20	E	1	0	2/8	2	4	1
Winter-22	12/12/2022	Ref No 21	E	1	0	2/8	2	4	1
Winter-22	12/12/2022	Ref No 22	E	1	0	2/8	2	4	1
Winter-22	12/12/2022	Ref No 11	E	1	0	2/8	2	4	1
Winter-23	10/01/2023	Ref No 8	S	4	1	8/8	1	4	0
Winter-23	10/01/2023	Ref No 10	S	5	1	8/8	1	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	10/01/2023	Ref No 7	S	5	1	8/8	1	4	0
Winter-23	10/01/2023	Ref No 6	S	5	1	8/8	1	4	0
Winter-23	10/01/2023	Ref No 5	S	4	1	8/8	1	4	0
Winter-23	10/01/2023	Ref No 9	SW	4	1	8/8	1	4	0
Winter-23	13/01/2023	53.695868, -7.913023	W	3	0	2/8	2	4	0
Winter-23	13/01/2023	Rhynmount Bog VP1	W	3	0	2/8	2	4	0
Winter-23	13/01/2023	Rhynmount Bog VP2	W	3	0	4/8	2	4	0
Winter-23	13/01/2023	Rhynmount Bog VP3	SW	2	0	7/8	2	4	0
Winter-23	23/01/2023	Ref No 12	S	1	0	8/8	1	1	0
Winter-23	23/01/2023	Ref No 13	S	1	0	8/8	1	1	0
Winter-23	23/01/2023	Derrycashel Bog	S	1	0	8/8	1	1	0
Winter-23	23/01/2023	Ref No 17	S	1	0	8/8	1	1	0
Winter-23	23/01/2023	Ref No 18	S	1	0	8/8	1	1	0
Winter-23	23/01/2023	Ref No 14	S	1	0	8/8	1	1	0
Winter-23	23/01/2023	Ref No 19	S	1	0	8/8	1	1	0
Winter-23	23/01/2023	Ref No 20	S	1	0	8/8	1	1	0
Winter-23	23/01/2023	Ref No 21	S	1	0	8/8	1	1	0
Winter-23	23/01/2023	Ref No 22	S	1	0	8/8	1	1	0
Winter-23	03/02/2023	Ref No 7	SW	4	0	7/8	2	4	0
Winter-23	03/02/2023	Ref No 8	SW	4	0	7/8	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	03/02/2023	Ref No 10	SW	4	0	6/8	2	4	0
Winter-23	03/02/2023	Ref No 6	SW	4	0	7/8	2	4	0
Winter-23	03/02/2023	Ref No 5	SW	4	0	7/8	2	4	0
Winter-23	03/02/2023	Ref No 9	SW	4	0	7/8	2	4	0
Winter-23	10/02/2023	Ref No 13	SW	4	0	8/8	2	4	0
Winter-23	10/02/2023	Ref No 12	SW	4	0	8/8	2	4	0
Winter-23	10/02/2023	Derrycashel Bog	SW	4	2	8/8	2	4	0
Winter-23	10/02/2023	Ref No 15	SW	4	0	8/8	2	4	0
Winter-23	10/02/2023	Ref No 14	SW	4	0	8/8	2	4	0
Winter-23	10/02/2023	Ref No 17	SW	4	0	8/8	2	4	0
Winter-23	10/02/2023	Ref No 18	SW	4	0	8/8	2	4	0
Winter-23	16/02/2023	Ref No 19	SW	3	0	8/8	1	3	0
Winter-23	16/02/2023	Ref No 20	SW	3	0	8/8	1	3	0
Winter-23	16/02/2023	Rhynmount Bog VP1	SW	2	0	6/8	1	4	0
Winter-23	16/02/2023	Rhynmount Bog VP2	SW	2	0	8/8	1	4	0
Winter-23	16/02/2023	Rhynmount Bog VP3	SW	2	0	8/8	1	4	0
Winter-23	16/02/2023	Ref No 21	S	3	1	8/8	1	4	0
Winter-23	16/02/2023	Ref No 22	S	3	1	8/8	1	4	0
Winter-23	16/02/2023	Bunaclay, grass field.	S	3	1	8/8	1	4	0
Winter-23	03/03/2023	Ref No 8	NE	2	0	8/8	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	03/03/2023	Ref No 10	NE	2	0	8/8	2	4	0
Winter-23	03/03/2023	Ref No 7	NE	2	0	8/8	2	4	0
Winter-23	03/03/2023	Ref No 5	NE	1	0	8/8	2	4	0
Winter-23	03/03/2023	Ref No 9	NE	1	0	8/8	2	4	0
Winter-23	16/03/2023	Rhynmount Bog VP1	S	3	0	7/8	2	4	0
Winter-23	16/03/2023	Rhynmount Bog VP2	S	3	0	7/8	2	4	0
Winter-23	16/03/2023	Rhynmount Bog VP3	S	4	0	8/8	2	4	0
Winter-23	16/03/2023	Ref No 13	S	3	4	8/8	2	4	0
Winter-23	16/03/2023	Ref No 12	S	3	4	8/8	2	4	0
Winter-23	16/03/2023	Derrycashel Bog	S	3	4	8/8	2	4	0
Winter-23	16/03/2023	Bunaclay, grass field. 1	S	3	4	8/8	2	4	0
Winter-23	16/03/2023	Bunaclay, grass field. 2	S	3	4	8/8	2	4	0
Winter-23	21/03/2023	Ref No 14	S	4	0	8/8	2	4	0
Winter-23	21/03/2023	Ref No 15	S	4	0	8/8	2	4	0
Winter-23	21/03/2023	Ref No 17	S	4	1	8/8	2	4	0
Winter-23	21/03/2023	Ref No 18	S	4	1	8/8	2	4	0
Winter-23	21/03/2023	Ref No 19	S	4	1	8/8	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	21/03/2023	Ref No 20	S	4	1	8/8	2	4	0
Winter-23	21/03/2023	Ref No 21	S	4	1	8/8	2	4	0
Winter-23	21/03/2023	Ref No 22	S	4	1	8/8	2	4	0
Breeding-23	14/04/2023	N/A	NW	2	0	2	2	4	1
Breeding-23	27/04/2023	5 km	SE	3	0	8	2	4	0
Breeding-23	03/05/2023	N/A	SE	4	0	4	2	4	0
Breeding-23	26/05/2023	5 km	NE	2	0	2	2	4	0
Breeding-23	02/06/2023	North	E	2	0	4	2	4	0
Breeding-23	09/06/2023	5 km	E	3	0	5	2	4	0
Breeding-23	07/07/2023	North	S	3	1	7	2	4	0
Breeding-23	19/07/2023	5 km	NW	2	0	7	2	4	0
Breeding-23	03/08/2023	North	NW	3	1	7	2	4	0
Breeding-23	10/08/2023	5 km	S	4	0	7	2	4	0
Breeding-23	28/09/2023	North	S	4	4	8	2	4	0
Breeding-23	29/09/2023	North	SW	3	0	3	2	4	0
Winter-23	10/10/2023	North	SW	2	0	7	2	4	0
Winter-23	11/10/2023	North	NW	2	0	8	2	4	0
Winter-23	06/10/2023	5 km	SW	3	2	7	2	4	0
Winter-23	06/10/2023	5 km	SW	3	0	6	2	4	0
Winter-23	14/10/2023	5 km	W	3	0	2	2	4	0
Winter-23	14/10/2023	5 km	W	3	0	4	2	4	0
Winter-23	18/10/2023	5 km	E	4	4	8	1	3	0
Winter-23	18/10/2023	5 km	E	4	1	8	1	4	0
Winter-23	08/11/2023	North	SW	3	4	1	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	13/11/2023	North	W	4	0	4	2	4	0
Winter-23	20/11/2023	South of site	NW	2	0	4	2	4	0
Winter-23	23/11/2023	South of site	W	3	0	4	2	4	0
Winter-23	27/11/2023	South of site	NW	2	1	8	2	4	0
Winter-23	27/11/2023	South of site	NW	4	0	5	2	4	0
Winter-23	08/12/2023	North	S	4	3	8	2	4	0
Winter-23	11/12/2023	North	SW	2	0	2	2	4	0
Winter-23	06/12/2023	South of site	SE	4	0	7	2	4	0
Winter-23	18/12/2023	South of site	SW	2	1	8	2	4	0
Winter-23	21/12/2023	South of site	NW	5	2	7	2	4	0
Winter-24	05/01/2024	North	W	2	0	3	2	4	0
Winter-24	12/01/2024	North	W	1	0	8	2	4	0
Winter-24	02/01/2024	Southern half of site	SW	3	4	8	1	3	0
Winter-24	02/01/2024	Southern half of site	SW	3	1	8	2	4	0
Winter-24	25/01/2024	South of site	SW	4	2	7	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-24	26/01/2024	South of site	SW	3	0	2	2	4	0
Winter-24	06/02/2024	North	SW	3	1	8	2	4	0
Winter-24	14/02/2024	North	S	2	3	8	2	4	0
Winter-24	19/02/2024	South of site	W	3	0	5	2	4	0
Winter-24	21/02/2024	South of site	SW	3	2	7	2	4	0
Winter-24	23/02/2024	South of site	W	2	0	8	2	4	0
Winter-24	07/03/2024	North	SE	2	0	3	2	4	0
Winter-24	08/03/2024	North	E	3	0	6	2	4	0
Winter-24	14/03/2024	South Of Site	S	2	1	8	2	4	0
Winter-24	15/03/2024	South of site	NW	2	0	6	2	4	0
Winter-24	18/03/2024	South Of Site	S	3	0	7	2	4	0
Breeding-24	08/04/2024	South	SE	1	1	6	2	4	0
Breeding-24	15/04/2024	South	E	4	3	4	2	4	0
Breeding-24	16/04/2024	2 km buffer North of site	NW	4	2	6	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-24	17/04/2024	2 km buffer North of site	W	2	1	8	2	4	0
Breeding-24	18/04/2024	2 km buffer North of site	W	1	0	6	2	4	0
Breeding-24	10/05/2024	South	S	3	3	8	2	4	0
Breeding-24	13/05/2024	South	E	3	3	8	2	4	0
Breeding-24	14/05/2024	2km	E	3	2	8	2	4	0
Breeding-24	15/05/2024	2km	E	3	2	7	2	4	0
Breeding-24	16/05/2024	2km Buffer	NE	1	0	2	2	4	0
Breeding-24	07/06/2024	South	W	4	0	7	2	4	0
Breeding-24	11/06/2024	South	NW	4	0	7	2	4	0
Breeding-24	17/06/2024	2km buffer	NW	1	0	6	2	4	0
Breeding-24	18/06/2024	2km buffer	NW	2	0	4	2	4	0
Breeding-24	24/06/2024	2KM Buffer	SW	2	0	6	2	4	0
Breeding-24	03/07/2024	South	S	2	1	7	2	4	0
Breeding-24	05/07/2024	South	W	2	0	7	2	4	0
Breeding-24	24/07/2024	2km buffer	S	3	1	8	2	4	0
Breeding-24	29/07/2024	2km buffer	SW	2	0	7	2	4	0
Breeding-24	30/07/2024	2km buffer	NW	1	0	6	2	4	0
Breeding-24	08/08/2024	South	SE	3	1	7	2	4	0
Breeding-24	09/08/2024	South	W	4	0	7	2	4	0
Breeding-24	20/08/2024	2 Km buffer	W	4	2	5	2	4	0

I-Webs and Breeding Wader Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-24	21/08/2024	2 Km buffer	SW	3	1	8	1	3	0
Breeding-24	27/08/2024	2 Km buffer	SW	3	2	8	2	4	0
Breeding-24	02/09/2024	South	NW	3	1	7	2	4	0
Breeding-24	06/09/2024	South	NE	3	0	4	2	4	0
Breeding-24	03/09/2024	2km buffer	W	2	0	8	2	4	0
Breeding-24	04/09/2024	2km buffer	NW	3	2	7	2	4	0
Breeding-24	16/09/2024	2km buffer	S	2	0	2	2	4	0

Hen Harrier Vantage Point and Breeding Raptor Survey Effort

Hen Harrier Vantage Point and Breeding Raptor Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	19/04/2022	VP 1	W	4	0	7/8	1	4	0
Breeding-22	20/04/2022	VP 2	SW	3	0	3/7	1	4	0
Breeding-22	21/04/2022	VP 3	E	6	0	7/8	1	4	0
Breeding-22	22/04/2022	VP 4	NE	6	0	8/8	1	4	0
Breeding-22	19/04/2022	RVP 1	NW	1	0	8/8	2	4	0
Breeding-22	19/04/2022	RVP 2	WNW	1	0	7/8	2	4	0
Breeding-22	19/04/2022	RVP 3	WNW	3	4	8/8	1	4	0
Breeding-22	19/04/2022	Raptor Transect 1	NW	3	3	7/8	2	4	0
Breeding-22	17/05/2022	RVP 2	SSW	3	3	7/8	2	4	0
Breeding-22	17/05/2022	RVP 1	SSW	3	3	7/8	2	4	0
Breeding-22	19/05/2022	RVP 3	SSW	3	0	7/8	2	4	0
Breeding-22	19/05/2022	Raptor Transect 1	SSW	3	0	7/8	2	4	0
Breeding-22	19/05/2022	RVP 4	SSW	3	0	6/8	2	4	0
Breeding-22	04/05/2022	RVP6	W	4	0	4/8	2	4	0
Breeding-22	05/05/2022	RVP5	SW	4	0	7/8	1	4	0
Breeding-22	13/05/2022	RVP7	SW	4	0	7/8	1	4	0
Breeding-22	19/05/2022	RVP8	SW	4	0	2/8	2	4	0
Breeding-22	27/06/2022	RVP 1	SW	3	0	7/8	2	4	0
Breeding-22	28/06/2022	Raptor Transect 1	SSW	4	3	8/8	2	4	0
Breeding-22	28/06/2022	RVP 2	SSW	4	3	8/8	2	4	0
Breeding-22	28/06/2022	RVP 2	SSW	4	0	7/8	2	4	0
Breeding-22	29/06/2022	RVP 3	SSW	2	0	7/8	2	4	0
Breeding-22	30/06/2022	RVP 4	SSW	2	0	7/8	2	4	0
Breeding-22	08/06/2022	RVP8	SW	4	1	7/8	2	4	0

Hen Harrier Vantage Point and Breeding Raptor Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	08/06/2022	RVP6	SW	4	0	3/8	2	4	0
Breeding-22	08/06/2022	RVP7	SW	2	0	7/8	2	4	0
Breeding-22	08/06/2022	RVP5	NW	1	0	1/8	2	4	0
Breeding-22	06/07/2022	RVP5	W	4	0	8/8	2	4	0
Breeding-22	07/07/2022	Near T11	NW	2	0	8/8	2	4	0
Breeding-22	11/07/2022	RVP7	S	3	0	7/8	2	4	0
Breeding-22	14/07/2022	RVP6	W	1	0	6/8	2	4	0
Breeding-22	14/07/2022	RVP8	W	1	0	6/8	2	4	0
Breeding-22	04/07/2022	RVP 2	W	3	0	6/8	2	4	0
Breeding-22	05/07/2022	RVP 1	W	3	0	7/8	2	4	0
Breeding-22	07/07/2022	RVP 3	NW	2	0	6/8	2	4	0
Breeding-22	07/07/2022	RT 1	NW	2	0	6/8	2	4	0
Breeding-22	07/07/2022	RVP 4	NW	2	0	6/8	2	4	0
Breeding-22	04/08/2022	RVP 2	NW	2	0	7/8	2	4	0
Breeding-22	16/08/2022	RVP 1	N	3	0	7/8	2	4	0
Breeding-22	24/08/2022	RVP 3	SW	4	0	7/8	2	4	0
Breeding-22	24/08/2022	RVP 4	SW	4	0	7/8	2	4	0
Breeding-22	31/08/2022	Raptor Transect 1	ENE	2	0	6/8	2	4	0
Breeding-22	10/08/2022	RVP8	SW	1	0	1/8	2	4	0
Breeding-22	11/08/2022	RVP7	SW	1	0	0/8	2	4	0
Breeding-22	23/08/2022	RVP6	SW	2	0	4/8	2	4	0
Breeding-22	23/08/2022	RVP5	SW	2	0	3/8	2	4	0
Breeding-22	07/09/2022	RVP 1	SE	4	0	8/8	2	4	0
Breeding-22	07/09/2022	Raptor Transect 1	SE	4	0	8/8	2	4	0

Hen Harrier Vantage Point and Breeding Raptor Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-22	07/09/2022	RVP 3	SE	4	3	8/8	2	4	0
Breeding-22	07/09/2022	RVP 4	ESE	4	3	7/8	2	4	0
Breeding-22	07/09/2022	RVP 2	ESE	4	4	7/8	2	4	0
Breeding-22	13/09/2022	RVP6	N	1	0	8/8	2	4	0
Breeding-22	14/09/2022	RVP7	NW	1	0	8/8	2	4	0
Breeding-22	26/09/2022	RVP8	NW	5	1	8/8	2	4	0
Breeding-22	26/09/2022	RVP5	NW	5	1	8/8	2	4	0
Winter-22	04/10/2022	HHVP1	SW	1	0	8/8	2	3	0
Winter-22	05/10/2022	HHVP2	W	5	0	6/8	2	3	0
Winter-22	06/10/2022	HHVP3	SW	4	1	8/8	2	3	0
Winter-22	12/10/2022	HHVP4	W	1	0	5/8	2	3	0
Winter-22	13/10/2022	HHVP5	S	1	0	8/8	1	3	0
Winter-22	14/10/2022	HHVP6	W	1	0	1/8	1	3	0
Winter-22	04/11/2022	HHVP1	SW	2	0	8/8	2	4	0
Winter-22	04/11/2022	HHVP1	SW	2	0	8/8	2	3	0
Winter-22	07/11/2022	HHVP2	S	5	1	8/8	2	3	0
Winter-22	07/11/2022	HHVP2	S	4	0	8/8	2	3	0
Winter-22	08/11/2022	HHVP3	S	3	0	8/8	2	4	0
Winter-22	08/11/2022	HHVP3	S	3	0	8/8	2	3	0
Winter-22	15/11/2022	HHVP4	SE	2	0	3/8	2	4	0
Winter-22	15/11/2022	HHVP4	SE	2	0	4/8	2	3	0
Winter-22	16/11/2022	HHVP5	E	1	0	2/8	2	4	0
Winter-22	16/11/2022	HHVP5	E	1	0	4/8	2	3	0
Winter-22	18/11/2022	HHVP6	W	1	0	2/8	2	4	0

Hen Harrier Vantage Point and Breeding Raptor Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-22	18/11/2022	HHVP6	W	1	0	3/8	2	3	0
Winter-22	01/12/2022	HHVP1	S	3	0	7/8	1	4	0
Winter-22	01/12/2022	HHVP1	S	3	0	8/8	1	3	0
Winter-22	05/12/2022	HHVP2	NE	3	1	7/8	2	4	0
Winter-22	05/12/2022	HHVP2	NE	3	1	8/8	2	3	0
Winter-22	06/12/2022	HHVP3	N	1	0	1/8	2	4	0
Winter-22	06/12/2022	HHVP3	N	1	0	1/8	2	3	0
Winter-22	07/12/2022	HHVP4	NW	2	0	4/8	2	4	0
Winter-22	07/12/2022	HHVP4	NW	2	0	4/8	2	3	0
Winter-22	08/12/2022	HHVP5	N	1	0	1/8	2	4	0
Winter-22	08/12/2022	HHVP5	N	1	0	1/8	2	3	1
Winter-22	12/12/2022	HHVP6	E	1	0	2/8	2	4	1
Winter-22	12/12/2022	HHVP6	E	1	0	2/8	2	3	1
Winter-23	10/01/2023	HHVP2	SW	4	1	8/8	1	4	0
Winter-23	10/01/2023	HHVP2	SW	3	0	8/8	1	3	0
Winter-23	11/01/2023	HHVP3	S	4	0	7/8	1	4	0
Winter-23	11/01/2023	HHVP3	SW	3	1	8/8	1	3	0
Winter-23	13/01/2023	HHVP6	SW	2	0	7/8	2	4	0
Winter-23	13/01/2023	HHVP6	SW	2	0	7/8	2	3	0
Winter-23	16/01/2023	HHVP1	SW	1	0	7/8	2	4	1
Winter-23	16/01/2023	HHVP1	SW	1	0	7/8	2	3	1
Winter-23	20/01/2023	HHVP4	SE	2	0	6/8	2	4	1
Winter-23	20/01/2023	HHVP4	SE	2	0	6/8	2	3	1
Winter-23	23/01/2023	HHVP5	S	1	0	8/8	1	1	1

Hen Harrier Vantage Point and Breeding Raptor Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	23/01/2023	HHVP5	S	1	0	8/8	1	1	1
Winter-23	02/02/2023	HHVP1	SW	4	0	8/8	1	4	0
Winter-23	02/02/2023	HHVP1	SW	4	0	7/8	1	3	0
Winter-23	10/02/2023	HHVP5	SW	4	0	8/8	2	4	0
Winter-23	10/02/2023	HHVP5	SW	4	0	8/8	2	3	0
Winter-23	13/02/2023	HHVP4	S	4	0	4/8	2	4	0
Winter-23	13/02/2023	HHVP4	S	4	0	8/8	2	3	0
Winter-23	16/02/2023	HHVP6	SW	4	0	8/8	2	4	0
Winter-23	16/02/2023	HHVP6	SW	4	0	8/8	2	3	0
Winter-23	03/03/2023	HHVP1	E	1	0	8/8	2	4	0
Winter-23	03/03/2023	HHVP1	E	1	0	8/8	2	3	0
Winter-23	08/03/2023	HHVP4	E	4	0	8/8	2	4	0
Winter-23	08/03/2023	HHVP4	E	4	0	8/8	2	3	0
Winter-23	16/03/2023	HHVP5	SW	3	0	8/8	2	4	0
Winter-23	16/03/2023	HHVP5	SW	3	0	8/8	2	3	0
Winter-23	21/03/2023	HHVP6	S	4	1	8/8	2	4	0
Winter-23	21/03/2023	HHVP6	S	4	1	8/8	2	3	0
Breeding-23	07/04/2023	RVP 1	SSW	3	0	4	2	4	0
Breeding-23	10/04/2023	RVP 3	W	3	4	7	2	4	0
Breeding-23	10/04/2023	RVP 3	W	3	4	7	2	4	0
Breeding-23	10/04/2023	RVP 4	W	3	4	7	2	4	0
Breeding-23	10/04/2023	RVP 4	W	3	4	7	2	4	0
Breeding-23	10/04/2023	RVP 2	W	3	0	7	2	4	0
Breeding-23	10/04/2023	RVP 2	W	3	3	8	2	4	0

Hen Harrier Vantage Point and Breeding Raptor Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-23	14/04/2023	RVP 1	WNW	3	0	4	2	4	0
Breeding-23	25/04/2023	RVP 7	SE	2	0	7	2	4	0
Breeding-23	26/04/2023	RVP 6	SE	2	0	8	2	4	0
Breeding-23	27/04/2023	RVP 5	SE	3	0	8	2	4	0
Breeding-23	27/04/2023	RVP 8	SE	3	0	8	2	4	0
Breeding-23	08/05/2023	RVP 1	SW	3	0	7	2	4	0
Breeding-23	08/05/2023	RVP 3	SW	2	0	7	2	4	0
Breeding-23	08/05/2023	RVP 3	W	2	3	8	2	4	0
Breeding-23	08/05/2023	RVP 4	W	2	0	7	2	4	0
Breeding-23	09/05/2023	RVP 1	W	2	0	7	2	4	0
Breeding-23	10/05/2023	RVP 2	SW	2	2	8	2	4	0
Breeding-23	11/05/2023	RVP 5	NW	2	2	8	1	4	0
Breeding-23	11/05/2023	RVP 5	NW	2	0	7	2	4	0
Breeding-23	11/05/2023	RVP 7	NW	2	3	8	1	4	0
Breeding-23	11/05/2023	RVP 7	NW	2	2	7	2	4	0
Breeding-23	11/05/2023	RVP 6	NW	2	0	6	2	4	0
Breeding-23	11/05/2023	RVP 8	NW	2	0	6	2	4	0
Breeding-23	09/06/2023	RVP 1	E	3	0	6	2	4	0
Breeding-23	21/06/2023	RVP 2	SW	2	0	7	2	4	0
Breeding-23	21/06/2023	RVP 8	W	3	0	6	2	4	0
Breeding-23	28/06/2023	RVP 3	NW	1	4	8	1	3	0
Breeding-23	28/06/2023	RVP 4	NW	3	0	7	2	4	0
Breeding-23	28/06/2023	RVP 7	NW	3	0	7	2	4	0
Breeding-23	30/06/2023	RVP 5	W	2	0	8	2	4	0

Hen Harrier Vantage Point and Breeding Raptor Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-23	30/06/2023	RVP 6	W	3	0	8	2	4	0
Breeding-23	13/07/2023	RVP 1	SW	2	0	7	2	4	0
Breeding-23	19/07/2023	RVP 3	NW	2	0	7	2	4	0
Breeding-23	19/07/2023	RVP 4	NW	2	0	7	2	4	0
Breeding-23	28/07/2023	RVP 2	SW	3	0	7	2	4	0
Breeding-23	28/07/2023	RVP 5	SW	3	0	6	2	4	0
Breeding-23	28/07/2023	RVP 8	SW	3	0	6	2	4	0
Breeding-23	31/07/2023	RVP 7	SW	3	2	8	2	4	0
Breeding-23	31/07/2023	RVP 6	SW	3	0	7	2	4	0
Breeding-23	10/08/2023	RVP 4	S	4	0	7	2	4	0
Breeding-23	10/08/2023	RVP 1	S	4	0	7	2	4	0
Breeding-23	10/08/2023	RVP 1	S	4	3	7	2	4	0
Breeding-23	14/08/2023	RVP 3	NW	2	0	6	2	4	0
Breeding-23	14/08/2023	RVP 3	NW	1	0	6	2	4	0
Breeding-23	17/08/2023	RVP 2	SE	3	0	7	2	4	0
Breeding-23	17/08/2023	RVP 5	SE	3	0	6	2	4	0
Breeding-23	17/08/2023	RVP 6	SE	3	0	6	2	4	0
Breeding-23	18/08/2023	RVP 7	SE	3	0	8	2	4	0
Breeding-23	18/08/2023	RVP 8	SE	3	0	8	2	4	0
Winter-23	17/10/2023	HHVP3	SE	1	3	8	2	3	0
Winter-23	22/10/2023	HHVP5	E	2	0	6	1	3	0
Winter-23	29/10/2023	HHVP4	NE	2	0	7	1	4	0
Winter-23	31/10/2023	HHVP6	SE	2	0	6	1	4	0
Winter-23	06/10/2023	HHVP1	SW	2	0	6	2	4	0

Hen Harrier Vantage Point and Breeding Raptor Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-23	18/10/2023	HHVP2	E	2	5	8	1	3	0
Winter-23	19/11/2023	HHVP3	W	3	0	6	2	4	0
Winter-23	21/11/2023	HHVP6	N	1	0	5	2	4	0
Winter-23	25/11/2023	HHVP4	N	1	0	8	2	3	0
Winter-23	26/11/2023	HHVP5	N	0	0	7	1	4	0
Winter-23	20/11/2023	HHVP1	NW	0	0	2	2	4	0
Winter-23	21/11/2023	HHVP2	W	1	0	8	2	4	0
Winter-23	07/12/2023	HHVP3	SE	3	0	6	2	4	0
Winter-23	22/12/2023	HHVP4	W	4	0	7	2	4	0
Winter-23	23/12/2023	HHVP6	SW	2	0	8	2	4	0
Winter-23	23/12/2023	HHVP5	SW	2	3	7	2	4	0
Winter-23	18/12/2023	HHVP1	W	1	0	7	2	4	0
Winter-23	20/12/2023	HHVP2	W	3	1	8	2	4	0
Winter-24	12/01/2024	HHVP5	SW	1	0	5	2	4	0
Winter-24	14/01/2024	HHVP6	SW	0	0	4	2	4	0
Winter-24	28/01/2024	HHVP3	SW	4	0	8	2	4	0
Winter-24	30/01/2024	HHVP4	SW	2	0	7	2	4	0
Winter-24	03/01/2024	HHVP1	W	1	0	4	2	4	0
Winter-24	10/01/2024	HHVP2	NE	1	0	7	2	4	2
Winter-24	13/02/2024	HHVP3	SW	0	0	7	1	4	0
Winter-24	18/02/2024	HHVP4	SW	1	0	6	1	4	0
Winter-24	28/02/2024	HHVP5	SW	2	2	8	2	3	0
Winter-24	20/02/2024	HHVP6	SW	3	0	6	2	4	0
Winter-24	21/02/2024	HHVP1	SW	2	0	7	2	4	0

Hen Harrier Vantage Point and Breeding Raptor Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Winter-24	22/02/2024	HHVP2	W	2	0	7	2	4	0
Winter-24	07/03/2024	HHVP3	SE	3	0	7	2	4	0
Winter-24	14/03/2024	HHVP4	SW	0	0	8	2	4	0
Winter-24	23/03/2024	HHVP5	SW	3	0	6	2	4	0
Winter-24	28/03/2024	HHVP6	SW	1	0	2	2	4	0
Winter-24	05/03/2024	HHVP1	S	1	0	7	2	4	0
Winter-24	06/03/2024	HHVP2	SE	2	0	8	2	4	0
Breeding-24	21/04/2024	N/A	NE	1	0	8	2	4	0
Breeding-24	25/04/2024	N/A	NW	1	1	8	2	4	0
Breeding-24	16/04/2024	2 km buffer	NW	3	0	6	2	4	0
Breeding-24	17/04/2024	RVP 7	W	3	2	7	2	4	0
Breeding-24	17/04/2024	RVP 8	W	3	0	7	2	4	0
Breeding-24	05/05/2024	VP1-5	NE	1	0	8	1	4	0
Breeding-24	19/05/2024	RVP2 to RVP4	N	1	0	1	2	4	0
Breeding-24	19/05/2024	RVP1 and RVP5	NE	1	0	1	2	4	0
Breeding-24	10/05/2024	2km	S	3	0	1	2	4	0
Breeding-24	15/05/2024	BO Roost watch 53.641033, -7.839886	E	0	0	2	2	4	0
Breeding-24	09/06/2024	1,2 and surround	W	1	0	8	2	4	0
Breeding-24	22/06/2024	1,3 and other areas	SW	2	0	2	2	4	0
Breeding-24	28/06/2024	4,5 and others	S	3	0	5	2	4	0
Breeding-24	30/06/2024	1,4 and others	NW	3	0	6	2	4	0
Breeding-24	30/06/2024	NA	NW	3	0	6	2	4	0
Breeding-24	14/06/2024	RVP7	SW	2	3	8	2	4	0

Hen Harrier Vantage Point and Breeding Raptor Survey Effort									
Date	Survey	Survey Location	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility	Frost	Snow
Breeding-24	14/06/2024	RVP8	SW	2	0	8	2	4	0
Breeding-24	14/06/2024	RVP6	SW	2	0	8	2	4	0
Breeding-24	14/07/2024	RVP 1,2,3 and surrounds	SE	1	0	8	2	4	0
Breeding-24	14/07/2024	RVP 1,2,3 and surrounds	SE	1	1	7	2	4	0
Breeding-24	20/07/2024	RVP 2,4,5 and surrounds	NW	2	2	8	2	3	0
Breeding-24	22/07/2024	RVP 2,4,5 and surrounds	N	3	2	8	2	3	0
Breeding-24	25/07/2024	2km buffer	SW	2	2	8	2	4	0
Breeding-24	11/08/2024	Around 2,3,4	SE	2	0	5	2	4	0
Breeding-24	16/08/2024	1,2 and surrounds	W	2	0	7	2	4	0
Breeding-24	24/08/2024	1,3 and surrounds	W	3	1	4	2	4	0
Breeding-24	24/08/2024	2,5 and surrounds	W	3	4	4	2	4	0
Breeding-24	27/08/2024	2 Km buffer	SW	3	0	5	2	4	0
Breeding-24	08/09/2024	1,5 and surrounds	N	3	0	6	2	4	0
Breeding-24	09/09/2024	3,4 and surrounds	SW	5	0	4	2	4	0
Breeding-24	23/09/2024	RVP2 and surrounds	N	1	0	8	2	4	0
Breeding-24	23/09/2024	North of 5 - Corlea	N	1	0	8	2	4	0
Breeding-24	12/09/2024	2km buffer	NW	3	2	5	2	4	0

Woodcock Transect Survey Effort

Woodcock Transect Survey Effort									
Date	Survey	Survey Location	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility
Breeding-22	04/05/2022	WK3	20:30	21:55	WNW	1	0	6/8	4
Breeding-22	13/05/2022	WK1	20:45	22:00	SW	4	0	7/8	4
Breeding-22	19/05/2022	WK2	20:45	22:00	SW	4	0	2/8	4
Breeding-22	28/06/2022	WK2	21:20	22:50	SSW	1	0	8/8	0
Breeding-22	29/06/2022	WK3	21:20	22:20	WNW	0	2	8/8	4
Breeding-22	29/06/2022	WK3	22:20	22:45	WNW	0	3	8/8	4
Breeding-22	09/06/2022	WK1	09:45	11:00	SW	2	0	2/8	4
Breeding-23	03/05/2023	WK3	20:50	22:05	SE	3	0	4	4
Breeding-23	04/05/2023	WK2	20:40	22:00	E	4	1	8	4
Breeding-23	24/05/2023	WK3	21:20	22:35	NW	3	0	7	4
Breeding-23	26/05/2023	WK2	21:20	22:35	NE	2	0	8	4
Breeding-23	08/05/2023	WK1	20:40	22:20	W	1	0	7	4
Breeding-23	25/05/2023	WK1	21:00	22:30	NW	1	0	4	4
Breeding-23	08/06/2023	WK3	21:35	22:50	E	3	0	8	4
Breeding-23	21/06/2023	WK2	21:45	23:00	W	3	1	4	4
Breeding-23	08/06/2023	WK1	21:40	22:55	E	1	0	5	4
Breeding-24	09/05/2024	WK2	20:16	22:16	S	1	0	8	4
Breeding-24	28/05/2024	WK2	21:00	22:30	SW	2	0	8	4
Breeding-24	08/05/2024	WK1	20:30	22:03	SW	0	0	3	4
Breeding-24	09/05/2024	WK3	20:30	22:05	SW	0	0	2	4
Breeding-24	22/05/2024	WK1	20:55	22:30	NW	1	0	6	4
Breeding-24	23/05/2024	WK3	21:05	22:35	NW	3	0	7	4
Breeding-24	06/06/2024	WK2	21:20	22:45	NW	0	0	3	4
Breeding-24	11/06/2024	WK1	21:20	22:50	NW	1	0	4	4

Woodcock Transect Survey Effort									
Date	Survey	Survey Location	Start Time	Finish Time	Wind Direction	Wind Speed	Rain	Cloud Cover	Visibility
Breeding-24	13/06/2024	WK3	21:20	22:55	SW	2	0	8	4

Appendix 8.3a BLACK-HEADED GULL

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP3	04/05/2021	07:53	16	0	114	0	0	0
Breeding	VP3	04/05/2021	17:01	14	54	0	0	0	0
Breeding	VP4	05/05/2021	09:11	7	0	0	43	0	0
Breeding	VP5	05/05/2021	17:23	13	0	65	0	0	0
Breeding	VP1	06/05/2021	18:32	17	0	103	0	0	0
Breeding	VP5	06/05/2021	09:24	6	42	0	0	0	0
Breeding	VP6	07/05/2021	10:12	10	22	0	0	0	0
Breeding	VP6	07/05/2021	14:59	5	0	0	143	0	0
Breeding	VP7	07/05/2021	17:00	1	0	0	42	0	0
Breeding	VP7	07/05/2021	17:23	4	14	0	0	0	0
Breeding	VP7	07/05/2021	19:25	8	0	74	0	0	0
Breeding	VP7	11/05/2021	14:44	4	28	0	0	0	0
Breeding	VP8	11/05/2021	19:25	14	0	0	128	0	0
Breeding	VP8	19/05/2021	11:02	1	40	0	0	0	0
Breeding	VP8	19/05/2021	11:33	8	0	182	0	0	0
Breeding	VP9	21/05/2021	11:43	3	0	62	0	0	0
Breeding	VP10	27/05/2021	11:41	1	0	41	0	0	0
Breeding	VP11	28/05/2021	19:19	1	15	0	0	0	0
Breeding	VP2	31/05/2021	18:06	1	0	0	127	0	0
Breeding	VP2	31/05/2021	18:40	3	50	0	0	0	0
Breeding	VP2	31/05/2021	19:21	3	0	154	0	0	0
Breeding	VP2	31/05/2021	20:27	4	63	0	0	0	0
Breeding	VP1	01/06/2021	10:14	4	63	0	0	0	0
Breeding	VP1	01/06/2021	13:48	3	72	0	0	0	0
Breeding	VP3	01/06/2021	18:42	9	0	0	203	0	0
Breeding	VP3	01/06/2021	18:50	51	0	0	127	0	0
Breeding	VP3	02/06/2021	14:09	3	0	50	57	0	0
Breeding	VP3	02/06/2021	15:10	5	0	0	50	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP4	10/06/2021	13:52	2	55	0	0	0	0
Breeding	VP4	10/06/2021	14:23	2	0	44	0	0	0
Breeding	VP4	10/06/2021	16:02	1	20	0	0	0	0
Breeding	VP4	10/06/2021	18:22	1	56	0	0	0	0
Breeding	VP4	10/06/2021	18:33	3	0	99	0	0	0
Breeding	VP5	16/06/2021	16:12	9	0	77	0	0	0
Breeding	VP5	16/06/2021	18:17	7	0	0	113	0	0
Breeding	VP6	17/06/2021	12:09	6	0	0	109	0	0
Breeding	VP6	17/06/2021	15:44	5	0	99	0	0	0
Breeding	VP7	18/06/2021	15:54	3	0	80	0	0	0
Breeding	VP7	18/06/2021	10:15	6	0	60	0	0	0
Breeding	VP7	18/06/2021	11:53	3	0	0	201	0	0
Breeding	VP8	23/06/2021	11:22	3	0	0	124	0	0
Breeding	VP8	23/06/2021	12:03	6	0	0	204	0	0
Breeding	VP8	23/06/2021	12:48	1	0	42	41	0	0
Breeding	VP8	23/06/2021	15:55	3	0	33	33	0	0
Breeding	VP9	23/06/2021	19:26	6	0	36	75	0	0
Breeding	VP9	24/06/2021	11:22	4	0	55	0	0	0
Breeding	VP10	24/06/2021	14:45	2	28	41	0	0	0
Breeding	VP10	24/06/2021	18:15	3	0	22	44	0	0
Breeding	VP11	25/06/2021	11:21	2	22	33	0	0	0
Breeding	VP11	25/06/2021	16:27	5	0	41	22	0	0
Breeding	VP3	05/07/2021	11:20	1	0	0	110	0	0
Breeding	VP3	05/07/2021	10:17	1	18	22	0	0	0
Breeding	VP3	05/07/2021	17:31	1	0	0	112	0	0
Breeding	VP1	06/07/2021	11:20	2	0	95	0	0	0
Breeding	VP1	06/07/2021	14:29	2	0	0	67	0	0
Breeding	VP5	06/07/2021	19:43	2	0	0	98	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP2	07/07/2021	12:19	1	0	0	108	0	0
Breeding	VP2	07/07/2021	13:45	1	0	57	0	0	0
Breeding	VP2	07/07/2021	17:38	1	0	0	185	0	0
Breeding	VP4	07/07/2021	19:11	2	0	0	78	0	0
Breeding	VP6	08/07/2021	12:07	1	0	0	70	0	0
Breeding	VP6	08/07/2021	14:03	2	0	0	92	0	0
Breeding	VP6	08/07/2021	16:12	3	0	0	74	0	0
Breeding	VP7	08/07/2021	21:40	2	0	0	100	0	0
Breeding	VP4	09/07/2021	16:49	2	0	0	73	0	0
Breeding	VP7	09/07/2021	11:20	3	0	0	96	0	0
Breeding	VP8	13/07/2021	09:18	1	0	0	96	0	0
Breeding	VP8	13/07/2021	15:58	2	0	0	112	0	0
Breeding	VP9	15/07/2021	09:40	1	0	36	0	0	0
Breeding	VP11	16/07/2021	15:07	1	0	0	39	0	0
Breeding	VP1	06/09/2021	12:37	1	22	0	0	0	0
Non-breeding	VP2	23/11/2021	09:01	1	52	0	0	0	0
Breeding	VP 1	12/04/2022	14:40	1	30	0	0	0	0
Breeding	VP 1	12/04/2022	16:42	1	35	0	0	0	0
Breeding	VP 1	12/04/2022	17:38	2	35	15	0	0	0
Breeding	VP 1	12/04/2022	20:02	4	0	35	0	0	0
Breeding	VP 1	12/04/2022	20:03	2	0	30	0	0	0
Breeding	VP10	13/04/2022	07:51	4	20	0	0	0	0
Breeding	VP10	13/04/2022	12:55	3	15	0	0	0	0
Breeding	VP 3	14/04/2022	12:08	2	0	55	0	0	0
Breeding	VP 5	20/04/2022	14:51	32	0	45	0	0	0
Breeding	VP 5	20/04/2022	19:46	5	0	20	65	0	0
Breeding	VP 6	21/04/2022	11:55	4	0	45	0	0	0
Breeding	VP 7	21/04/2022	18:20	2	0	45	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP 5	04/05/2022	07:11	12	45	15	0	0	0
Breeding	VP10	12/05/2022	16:21	3	24	0	0	0	0
Breeding	VP 1	18/05/2022	06:02	5	0	35	0	0	0
Breeding	VP 1	18/05/2022	11:23	3	38	10	0	0	0
Breeding	VP 3	30/05/2022	16:21	2	0	20	35	0	0
Breeding	VP 3	30/05/2022	21:02	2	0	0	45	0	0
Breeding	VP 3	08/06/2022	14:02	1	0	30	0	0	0
Breeding	VP10	08/06/2022	14:30	2	30	0	0	0	0
Breeding	VP10	08/06/2022	16:03	4	0	55	0	0	0
Breeding	VP 1	09/06/2022	15:03	16	40	0	0	0	0
Breeding	VP 1	09/06/2022	20:18	8	0	35	0	0	0
Breeding	VP9	09/06/2022	18:25	1	0	47	0	0	0
Breeding	VP 2	10/06/2022	12:56	1	35	0	0	0	0
Breeding	VP 2	10/06/2022	15:06	1	0	35	0	0	0
Breeding	VP8	17/06/2022	10:55	1	27	0	0	0	0
Breeding	VP 4	27/06/2022	19:32	3	0	40	0	0	0
Breeding	VP 5	28/06/2022	20:26	7	0	45	0	0	0
Breeding	VP 6	29/06/2022	09:23	4	0	35	0	0	0
Breeding	VP 6	29/06/2022	10:56	5	0	30	0	0	0
Breeding	VP 7	30/06/2022	13:52	4	10	22	0	0	0
Breeding	VP 7	30/06/2022	18:52	12	0	45	0	0	0
Breeding	VP 1	01/07/2022	11:23	8	0	40	0	0	0
Breeding	VP 1	04/07/2022	15:02	6	0	40	0	0	0
Breeding	VP 3	05/07/2022	12:50	4	0	30	0	0	0
Breeding	VP 3	06/07/2022	10:24	3	0	40	0	0	0
Breeding	VP10	07/07/2022	12:45	2	10	25	0	0	0
Breeding	VP 1	04/08/2022	11:49	1	50	0	0	0	0
Breeding	VP 1	27/09/2022	12:08	3	10	20	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP 1	27/09/2022	12:19	2	0	30	0	0	0
Breeding	VP 1	27/09/2022	14:27	2	5	35	0	0	0
Breeding	VP 1	27/09/2022	15:16	2	20	15	0	0	0
Non-breeding	VP1	05/10/2022	18:19	1	7	0	0	0	0
Non-breeding	VP1	14/11/2022	13:33	3	4	0	0	0	0
Non-breeding	VP4	19/12/2022	14:10	5	15	0	0	0	0
Non-breeding	VP1	09/01/2023	10:01	2	7	0	0	0	0
Non-breeding	VP10	02/02/2023	13:50	1	0	0	45	0	0
Non-breeding	VP1	06/02/2023	15:01	8	15	0	0	0	0
Non-breeding	VP11	20/03/2023	14:20	2	0	0	0	25	0
Non-breeding	VP6	28/03/2023	09:50	2	25	0	0	0	0
Breeding	VP1	04/04/2023	17:26	3	0	35	0	0	0
Breeding	VP5	13/04/2023	13:13	2	0	38	0	0	0
Breeding	VP5	13/04/2023	14:08	53	0	40	0	0	0
Breeding	VP5	13/04/2023	18:31	9	0	35	0	0	0
Breeding	VP5	13/04/2023	20:08	10	0	40	10	0	0
Breeding	VP7	24/04/2023	16:56	1	5	40	0	0	0
Breeding	VP3	04/05/2023	07:25	1	10	0	0	0	0
Breeding	VP3	04/05/2023	08:15	1	15	0	0	0	0
Breeding	VP2	09/05/2023	18:57	2	0	0	45	0	0
Breeding	VP6	10/05/2023	18:48	4	0	55	0	0	0
Breeding	VP5	20/05/2023	10:11	9	0	0	40	0	0
Breeding	VP1	22/05/2023	09:26	6	0	50	0	0	0
Breeding	VP1	22/05/2023	13:09	4	0	0	40	0	0
Breeding	VP4	24/05/2023	05:55	2	0	0	35	0	0
Breeding	VP4	24/05/2023	06:35	3	0	0	30	0	0
Breeding	VP4	24/05/2023	07:10	4	0	30	0	0	0
Breeding	VP4	24/05/2023	12:55	8	0	0	30	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP7	25/05/2023	12:54	5	0	50	0	0	0
Breeding	VP7	05/06/2023	13:56	4	0	45	0	0	0
Breeding	VP7	05/06/2023	15:12	5	0	45	15	0	0
Breeding	VP4	08/06/2023	17:35	3	0	35	0	0	0
Breeding	VP6	08/06/2023	14:27	4	0	45	0	0	0
Breeding	VP10	16/06/2023	09:12	3	10	35	0	0	0
Breeding	VP8	20/06/2023	17:46	3	0	80	0	0	0
Breeding	VP3	21/06/2023	12:25	1	0	0	25	0	0
Breeding	VP1	22/06/2023	09:56	4	0	56	0	0	0
Breeding	VP1	22/06/2023	11:02	7	0	50	0	0	0
Breeding	VP5	26/06/2023	13:48	8	0	0	40	0	0
Breeding	VP5	26/06/2023	18:12	10	0	70	0	0	0
Breeding	VP11	27/06/2023	09:11	3	0	70	0	0	0
Breeding	VP9	29/06/2023	16:27	3	0	65	0	0	0
Breeding	VP1	14/07/2023	15:26	5	55	0	0	0	0
Breeding	VP5	20/07/2023	07:34	8	0	70	0	0	0
Breeding	VP5	20/07/2023	15:16	10	0	80	0	0	0
Breeding	VP10	25/07/2023	10:38	6	0	70	0	0	0
Breeding	VP1	09/08/2023	11:02	3	55	0	0	0	0
Breeding	VP1	09/08/2023	16:23	8	65	0	0	0	0
Breeding	VP5	11/08/2023	11:20	6	0	55	0	0	0
Non-breeding	VP3	08/02/2024	10:45	2	5	0	0	0	0
Non-breeding	VP3	08/02/2024	11:07	7	5	0	0	0	0
Non-breeding	VP3	08/02/2024	11:11	9	4	0	0	0	0
Non-breeding	VP4	15/03/2024	13:50	3	8	0	0	0	0
Non-breeding	VP1	18/03/2024	14:29	2	12	0	0	0	0
Breeding	VP1	14/04/2024	18:30	1	0	6	0	0	0
Breeding	VP5	29/04/2024	12:10	2	25	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP1	09/05/2024	09:55	10	180	40	0	0	0
Breeding	VP1	09/05/2024	07:40	7	40	28	0	0	0
Breeding	VP1	09/05/2024	08:01	4	5	0	0	0	0
Breeding	VP3	14/05/2024	14:45	2	5	0	0	0	0
Breeding	VP2	26/05/2024	06:21	5	45	20	0	0	0
Breeding	VP5	28/05/2024	14:17	2	25	0	0	0	0
Breeding	VP5	28/05/2024	15:47	1	7	3	0	0	0
Breeding	VP8	04/06/2024	12:55	2	0	35	0	0	0
Breeding	VP3	06/06/2024	09:55	1	6	0	0	0	0
Breeding	VP3	06/06/2024	16:10	1	0	12	0	0	0
Breeding	VP6	06/06/2024	08:45	3	0	35	0	0	0
Breeding	VP4	10/06/2024	07:17	1	5	0	0	0	0
Breeding	VP1	16/06/2024	14:49	3	12	0	0	0	0
Breeding	VP5	25/06/2024	12:40	6	10	12	0	0	0
Breeding	VP5	25/06/2024	16:58	3	7	0	0	0	0
Breeding	VP7	02/07/2024	09:35	3	0	0	25	0	0
Breeding	VP6	04/07/2024	11:15	4	0	30	0	0	0
Breeding	VP3	07/07/2024	14:23	2	6	0	0	0	0
Breeding	VP1	15/07/2024	10:53	1	19	2	0	0	0
Breeding	VP1	15/07/2024	15:01	1	15	4	0	0	0
Breeding	VP2	21/07/2024	14:07	3	28	3	0	0	0
Breeding	VP5	29/07/2024	09:21	4	80	0	0	0	0
Breeding	VP5	29/07/2024	14:30	4	1000	500	300	0	0
Breeding	VP3	12/08/2024	09:58	1	9	2	0	0	0
Breeding	VP4	19/08/2024	10:48	4	18	45	0	0	0
Breeding	VP5	23/08/2024	10:36	3	0	20	0	0	0
Breeding	VP5	23/08/2024	16:09	4	8	58	0	0	0
Breeding	VP1	18/09/2024	15:04	2	8	3	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00908	Breeding	VP10	13/04/2022	06:45	8	PB4	Grounded	N/A	N/A
P00936	Breeding	VP10	12/05/2022	15:20	8	PB4	Roosting	N/A	N/A
P00947	Breeding	VP10	08/06/2022	13:15	4	PB4	Roosting	S	Possible
P00959	Breeding	VP10	07/07/2022	10:55	8	PB4	Roosting	S	Possible
P01875	Non-breeding	VP10	07/03/2023	12:20	49	PB4	Foraging.	N/A	N/A
P04087	Breeding	VP10	13/04/2023	14:25	2	N/A	Roosting	N/A	N/A
P04122	Breeding	VP2	15/06/2023	N/A	1	N/A	N/A	P	Probable
P04123	Breeding	VP10	16/06/2023	08:02	2	N/A	Roosting	P	Probable
P06120	Breeding	VP10	01/07/2024	07:40	1	N/A	Swimming	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01075	Breeding	New site	19/04/2022	4	Foraging at the side of lake.	N/A	N/A
P01082	Breeding	Ref: 5	20/04/2022	145	Roosting on Inchenagh island.	N/A	N/A
P01091	Breeding	Ref: 4	20/04/2022	18	Roosting.	N/A	N/A
P01093	Breeding	Ref: 6	21/04/2022	2	Flying over reeds.	F	Non-Breeding
P01094	Breeding	Ref: 7	21/04/2022	2	Flying over.	F	Non-Breeding
P01106	Breeding	Ref: 20	21/04/2022	1	Flying over.	F	Non-Breeding
P01126	Breeding	New site	22/04/2022	2	Swimming on open water.	N/A	N/A
P01129	Breeding	New site	22/04/2022	141	Foraging on grass field.	N/A	N/A
P01297	Breeding	Corlea Wetlands	05/05/2022	3	Seen on side of lake	N/A	N/A
P01298	Breeding	Rhynmount Bog.	10/05/2022	1	Swimming on lake.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01303	Breeding	Rhynmount Bog.	10/05/2022	1	Flying over bog.	F	Non-Breeding
P01314	Breeding	Rhynmount Bog.	10/05/2022	1	Flying over bog.	F	Non-Breeding
P01317	Breeding	Ref: 12	11/05/2022	12	Roosting on field.	N/A	N/A
P01320	Breeding	Ref: 20	11/05/2022	3	Flying over.	F	Non-Breeding
P01325	Breeding	Ref: 5	12/05/2022	195	Foraging on and flying around the island.	N/A	N/A
P01201	Breeding	VP Number 10	17/05/2022	4	4 BH Gulls flying over	H	Possible
P01212	Breeding	VP Number 8	17/05/2022	8	8 bh gulls on lake/flying around	H	Possible
P01457	Breeding	Ref: 7	10/06/2022	1	Flying over.	F	Non-Breeding
P01460	Breeding	Ref: 6	10/06/2022	4	Flying over.	F	Non-Breeding
P01463	Breeding	Ref: 5	10/06/2022	210	Roosting posible nesting on island.	H	Possible
P01478	Breeding	Ref: 14	14/06/2022	4	Flying over.	F	Non-Breeding
P01479	Breeding	Ref: 15	14/06/2022	2	Flying over.	F	Non-Breeding
P01573	Breeding	ref: 5	06/07/2022	102	Roosting on and flying around the island.	N/A	N/A
P01589	Breeding	ref: 8	11/07/2022	11	Roosting and flying around.	N/A	N/A
P01592	Breeding	ref: 20	11/07/2022	2	Flying over.	F	Non-Breeding
P01595	Breeding	Rhynmount Bog.	11/07/2022	11	Flying over.	F	Non-Breeding
P01600	Breeding	ref: 11	14/07/2022	4	Flying over.	F	Non-Breeding
P01798	Breeding	Ref No: 8	13/09/2022	1	Roosting around the shoreline.	N/A	N/A
P01951	Non-breeding	Ref No 8	08/11/2022	6	Roosting around shore-line.	N/A	N/A
P02001	Non-breeding	Site 23	27/11/2022	3	As above	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02033	Non-breeding	Ref No 8	07/12/2022	3	Swimming on open water.	N/A	N/A
P02049	Non-breeding	Ref No 5	07/12/2022	3	Swimming on open water.	N/A	N/A
P02070	Non-breeding	Ref No 13	08/12/2022	47	Roosting on flooded field.	N/A	N/A
P02085	Non-breeding	Ref No 17	12/12/2022	55	Roosting on flooded field.	N/A	N/A
P02118	Non-breeding	Site 4, Turlough at LeTergullion	27/12/2022	1	Flying over but not stopping	N/A	N/A
P02179	Non-breeding	Ref No 7	10/01/2023	1	Swimming on open water.	N/A	N/A
P02208	Non-breeding	Ref No 17	23/01/2023	65	Swimming on flooded field.	N/A	N/A
P02141	Non-breeding	NE of Lisnacusha	29/01/2023	5	Flew overhead, landing in water	N/A	N/A
P02143	Non-breeding	NE of Lisnacusha	29/01/2023	3	Perched on flooded fence posts	N/A	N/A
P02321	Non-breeding	NE of Lisnacusha	29/01/2023	5	Flew overhead, landing in water	N/A	N/A
P02323	Non-breeding	NE of Lisnacusha	29/01/2023	3	Perched on flooded fence posts	N/A	N/A
P02228	Non-breeding	Ref No 8	03/02/2023	1	Roosting around shore-line.	N/A	N/A
P02255	Non-breeding	Ref No 15	10/02/2023	2	Flyover.	N/A	N/A
P02282	Non-breeding	Lisnacusha turlough/fields	25/02/2023	15	Swimming whilst some perched on submerged posts. Flying occasionally	N/A	N/A
P02294	Non-breeding	Site 4 Turlough	25/02/2023	3	Flew in and landed near Curlews	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02297	Non-breeding	Site 4 Turlough	25/02/2023	12	Flew in and arrived on water beside MS/island area	N/A	N/A
P02305	Non-breeding	South of Site 4. Flooded field/mini-turlough complex	25/02/2023	8	On flooded field	N/A	N/A
P02353	Non-breeding	Lisnacusha turlough/fields	25/02/2023	15	Swimming whilst some perched on submerged posts. Flying occasionally	N/A	N/A
P02365	Non-breeding	Site 4 Turlough	25/02/2023	3	Flew in and landed near Curlews	N/A	N/A
P02368	Non-breeding	Site 4 Turlough	25/02/2023	12	Flew in and arrived on water beside MS/island area	N/A	N/A
P02376	Non-breeding	South of Site 4. Flooded field/mini-turlough complex	25/02/2023	8	On flooded field	N/A	N/A
P02426	Non-breeding	Ref No 8	03/03/2023	2	Roosting around shore-line.	N/A	N/A
P02447	Non-breeding	Ref No 9	03/03/2023	30	Roosting on island.	N/A	N/A
P02390	Non-breeding	Site 23, Stewart Family Farm	23/03/2023	20	Calling noisily, circling until off site heading southwards	N/A	N/A
P02393	Non-breeding	South of Lanesboro	24/03/2023	23	Most perched on posts in water, some swimming or flying	N/A	N/A
P02394	Non-breeding	Carrigens turlough/fields	24/03/2023	15	Roosting and walking about, feeding	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02396	Non-breeding	Carrigens turlough/fields	24/03/2023	8	Most Flying around, a few on water	N/A	N/A
P02404	Non-breeding	Location 4, Turlough	24/03/2023	8	Most swimming	N/A	N/A
P02411	Non-breeding	East of Location 4	24/03/2023	6	Loafing about on posts. Some flying	N/A	N/A
P04165	Breeding	Ref No 8	14/04/2023	12	Roosting.	H	Possible
P04176	Breeding	Derrycashel Bog	14/04/2023	10	8 adults, 2 chicks.	FL	Confirmed
P04197	Breeding	Ref No 17	14/04/2023	22	Roosting.	H	Possible
P04273	Breeding	Lough Ree	27/04/2023	175	175 BH gulls breeding on small island	ON	Confirmed
P04287	Breeding	Turlough	27/04/2023	2	Pair of Black headed gulls on turlough	P	Probable
P04319	Breeding	Onsite	03/05/2023	2	Alarm call flight display	A	Probable
P04334	Breeding	Rhynmount VP2	03/05/2023	2	Pair alarm calling	A	Probable
P04344	Breeding	Ref No: 12	03/05/2023	6	Roosting	H	Possible
P04366	Breeding	Ref No: 8	03/05/2023	8	Foraging.	N/A	N/A
P04418	Breeding	5 KM radius	26/05/2023	150	nesting colony of 150 Black-headed Gulls on island in lake.	ON	Confirmed
P04423	Breeding	5 KM radius	26/05/2023	5	5 Black-headed gulls at edge of Turlough, feeding.	H	Possible
P04472	Breeding	Onsite	02/06/2023	4	Alarm calling	A	Probable
P04490	Breeding	Ref No: 12	02/06/2023	1	Flyover	F	Non-Breeding
P04492	Breeding	Derrycashel Bog	02/06/2023	3	Alarm calling	A	Probable
P04500	Breeding	Ref No: 8	02/06/2023	1	Swimming	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04513	Breeding	Lough Ree	09/06/2023	150	nesting colony of 150 Black-headed Gulls on island in lake.	ON	Confirmed
P04611	Breeding	Onsite	07/07/2023	3	Alarm calling. Adult.	A	Probable
P04620	Breeding	Ref No: 12	07/07/2023	2	Flyover	F	Non-Breeding
P04641	Breeding	Lough Ree	19/07/2023	80	Adults and immatures seen at breeding colony.	FL	Confirmed
P04749	Breeding	Lough Ree	10/08/2023	20	60 Black-headed gulls on Lough Ree	N/A	N/A
P04845	Breeding	Lough Ree	07/09/2023	5	5 Black headed Gulls on lake.	N/A	N/A
P04816	Breeding	Ref No: 8	28/09/2023	1	Roosting	N/A	N/A
P06551	Non-breeding	5	06/12/2023	3	3 Black-headed Gulls on lake.	N/A	N/A
P06517	Non-breeding	Ref No: 17	11/12/2023	2	Roosting	N/A	N/A
P06616	Non-breeding	Ref No: 13	12/01/2024	1	N/A	N/A	N/A
P06618	Non-breeding	Ref No: 17	12/01/2024	45	N/A	N/A	N/A
P06685	Non-breeding	Ref No: 8	06/02/2024	13	N/A	N/A	N/A
P06701	Non-breeding	Ref No: 17	14/02/2024	3	N/A	N/A	N/A
P06734	Non-breeding	Southern half of site	19/02/2024	5	On lake	N/A	N/A
P06780	Non-breeding	Ref No: 8	07/03/2024	22	Roosting	N/A	N/A
P06801	Non-breeding	Ref No: 17	08/03/2024	23	Roosting	N/A	N/A
P04932	Breeding	Ref No:1	08/04/2024	25	Roosting.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05091	Breeding	Ref No:1	10/05/2024	12	Roosting.	N/A	N/A
P05119	Breeding	Ref No:11	13/05/2024	1	Foraging	N/A	N/A
P05281	Breeding	Ref No:1	07/06/2024	19	At least 6 birds on nests.	ON	Confirmed
P05316	Breeding	Ref No:12	11/06/2024	6	Roosting.	N/A	N/A
P05327	Breeding	2km buffer	17/06/2024	4	4 BH gulls circling and alarm calling.	A	Probable
P05334	Breeding	2km buffer	17/06/2024	6	6 BH gulls circling and alarm calling.	A	Probable
P05354	Breeding	2km buffer	18/06/2024	2	2 BH gulls on flooded area of bog	N/A	N/A
P05452	Breeding	Ref No:1	03/07/2024	8	Roosting Adults.	N/A	N/A
P05594	Breeding	Ref No:1	08/08/2024	6	Roosting Adults.	N/A	N/A
P05754	Breeding	Ref No:1	02/09/2024	3	Roosting.	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00052	Breeding	T1	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00060	Breeding	T3	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00061	Breeding	T3	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00062	Breeding	T3	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00063	Breeding	T4	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00072	Breeding	T4	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00073	Breeding	T4	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00075	Breeding	T5	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00054	Breeding	T2	13/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00057	Breeding	T2	13/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00058	Breeding	T2	13/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00119	Breeding	T19	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00126	Breeding	T20	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00133	Breeding	T1	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00157	Breeding	T4	11/06/2021	N/A	1	N/A	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00189	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00190	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00192	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00197	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00216	Breeding	T12	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00222	Breeding	T16	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00136	Breeding	T2	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00140	Breeding	T2	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00227	Breeding	T18	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00231	Breeding	T18	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00235	Breeding	T19	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P01183	Breeding	T4	17/05/2022	08:12	4	pb4	H	H	Possible
P01284	Breeding	T3	19/05/2022	N/A	1	GM1	Flying over	F	Non-Breeding
P01286	Breeding	T7	19/05/2022	N/A	5	PB4	Flying over	F	Non-Breeding
P01384	Breeding	T15	07/06/2022	N/A	1	PB4	Flying over.	F	Non-Breeding
P01388	Breeding	T13	08/06/2022	N/A	3	PB4	Flying over.	F	Non-Breeding
P01359	Breeding	T4	09/06/2022	N/A	1	pb4	N/A	F	Non-Breeding
P01407	Breeding	T20	09/06/2022	N/A	2	PB4	Flying over.	F	Non-Breeding
P01417	Breeding	T11	10/06/2022	N/A	13	PB4	Flying over.	F	Non-Breeding
P01418	Breeding	T12	10/06/2022	N/A	3	PB4	Flying over.	F	Non-Breeding
P01436	Breeding	T9	14/06/2022	N/A	1	PB4	Flying over.	F	Non-Breeding
P01447	Breeding	T3	17/06/2022	N/A	2	GM1	Flying over.	F	Non-Breeding
P01509	Breeding	T13	06/07/2022	N/A	4	PB4	Roosting	N/A	N/A
P01524	Breeding	T11	07/07/2022	N/A	3	PB4	Flying over	F	Non-Breeding
P01539	Breeding	T10	11/07/2022	N/A	1	PB4	Flushed	N/A	N/A
P03924	Non-breeding	T20	20/03/2023	09:50	2	PB4	Mobbing	N/A	N/A
P04247	Breeding	T11	13/04/2023	16:30	2	PB4	N/A	A	Probable
P04260	Breeding	T7	25/04/2023	10:31	6	PB4	N/A	A	Probable
P04265	Breeding	T12	25/04/2023	12:48	6	PB4	N/A	A	Probable
P04295	Breeding	T6	04/05/2023	09:35	4	PB4	N/A	F	Non-Breeding
P04303	Breeding	T4	24/05/2023	08:20	1	PB4	N/A	H	Possible
P04449	Breeding	T6	08/06/2023	14:00	2	PB4	N/A	F	Non-Breeding
P04454	Breeding	T4	21/06/2023	15:20	1	PB4	N/A	H	Possible

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04464	Breeding	T5	21/06/2023	17:35	2	PB4	N/A	N/A	N/A
P04541	Breeding	T1	21/06/2023	10:25	18	GA1	N/A	H	Possible
P04897	Breeding	T20	02/04/2024	17:20	75	PB4	N/A	A	Probable
P05040	Breeding	T10	10/04/2024	16:05	2	pb4	N/A	A	Probable
P05086	Breeding	T2	14/05/2024	08:35	12	GS4	N/A	N/A	N/A
P05208	Breeding	T10	16/05/2024	10:50	2	PB4	N/A	H	Possible
P05251	Breeding	T20	05/06/2024	12:30	12	PB4	N/A	ON	Confirmed
P05266	Breeding	T4	11/06/2024	08:05	2	PB4	N/A	N/A	N/A
P05392	Breeding	T10	25/06/2024	11:53	7	PB4	N/A	FL	Confirmed
P05437	Breeding	T19	04/07/2024	15:10	2	PB4	N/A	F	Non-Breeding

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00252	Breeding	HHVP4	12/05/2021	8	N/A	N/A
P00258	Breeding	HHVP5	12/05/2021	72	N/A	N/A
P00266	Breeding	HHVP6	12/05/2021	56	N/A	N/A
P00273	Breeding	HHVP7	12/05/2021	7	N/A	N/A
P00279	Breeding	HHVP8	14/05/2021	44	N/A	N/A
P00282	Breeding	HHVP9	14/05/2021	78	N/A	N/A
P00290	Breeding	HHVP11	13/05/2021	54	N/A	N/A
P00294	Breeding	HHVP12	13/05/2021	42	N/A	N/A
P00308	Breeding	HHVP15	13/05/2021	2	N/A	N/A
P00326	Breeding	HHVP4	12/06/2021	2	N/A	N/A
P00333	Breeding	HHVP5	12/06/2021	290	N/A	N/A
P00340	Breeding	HHVP6	12/06/2021	7	N/A	N/A
P00343	Breeding	HHVP7	12/06/2021	8	N/A	N/A
P00351	Breeding	HHVP8	12/06/2021	16	N/A	N/A
P00354	Breeding	HHVP9	12/06/2021	16	N/A	N/A
P00361	Breeding	HHVP10	12/06/2021	4	N/A	N/A
P00367	Breeding	HHVP12	11/06/2021	2	N/A	N/A
P00373	Breeding	HHVP15	11/06/2021	1	N/A	N/A
P00374	Breeding	HHVP16	11/06/2021	3	N/A	N/A
P00377	Breeding	HHVP20	11/06/2021	2	N/A	N/A
P00395	Breeding	HHVP5	17/07/2021	4	N/A	N/A
P00400	Breeding	HHVP6	17/07/2021	17	N/A	N/A
P00406	Breeding	HHVP7	17/07/2021	3	N/A	N/A
P00415	Breeding	HHVP8	17/07/2021	8	N/A	N/A
P00420	Breeding	HHVP9	17/07/2021	3	N/A	N/A
P00429	Breeding	HHVP11	17/07/2021	2	N/A	N/A
P00452	Breeding	HHVP5	05/08/2021	12	N/A	N/A
P00456	Breeding	HHVP6	05/08/2021	2	N/A	N/A
P00462	Breeding	HHVP8	05/08/2021	2	N/A	N/A
P00469	Breeding	HHVP9	05/08/2021	6	N/A	N/A
P00508	Breeding	HHVP5	14/08/2021	2	N/A	N/A
P00533	Breeding	HHVP9	14/08/2021	4	N/A	N/A
P00566	Breeding	HHVP5	09/09/2021	2	N/A	N/A
P00576	Breeding	HHVP6	09/09/2021	1	N/A	N/A
P00585	Breeding	HHVP8	09/09/2021	2	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00742	Non-breeding	HHVP7	24/11/2021	4	N/A	N/A
P00762	Non-breeding	HHVP11	24/11/2021	1	N/A	N/A

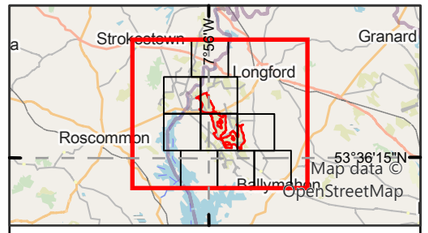
Incidental Sightings					
Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P04051	Non-breeding	11/02/2023	4	N/A	N/A

8°2'40"W 7°53'50"W 7°45'0"W

53°45'0"N 53°40'0"N 53°35'0"N

776000 768000 760000

593600 604000 614400



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 2 4
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NOTES

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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Black-headed Gull Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-001.ApX-SUM-BH-TOB-A

Draft: A

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7°53'50"W

53°45'0"N

604000

776000

Ballytoohey

Termonbarry

N5

N6

L1162

P06616

P02070

P01478

P01317, P04344,
P04490, P04620

P00308, P00373

P01479

P02255

P00294,
P00367

P02085, P02208

P00374

P04176, P04492

P00377

P04197, P06517,
P06618,
P06701, P06801

P00290,
P00429,
P00762

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P01298

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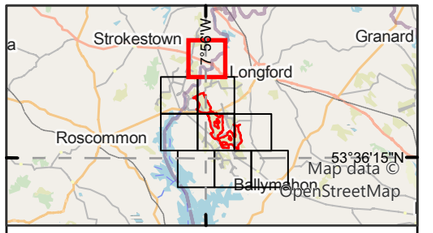

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Black-headed Gull
Sheet 1 of 9

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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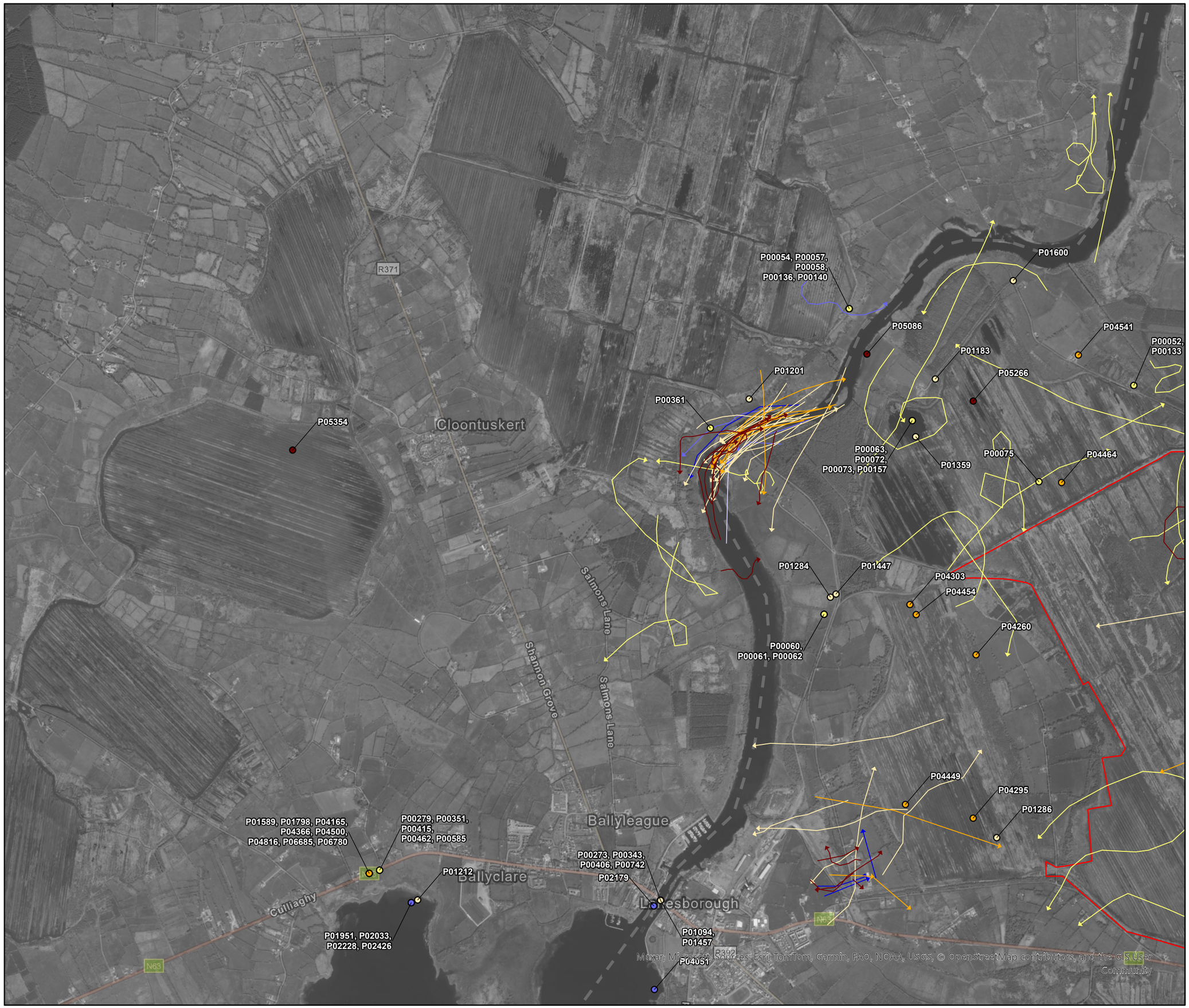
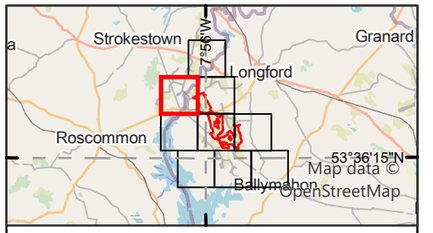
8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Black-headed Gull
Sheet 2 of 9

Scale @ A3: 1:22,000

Prepared by: S.Pezzetta | Checked by: I.Heanue | Date: May 2025

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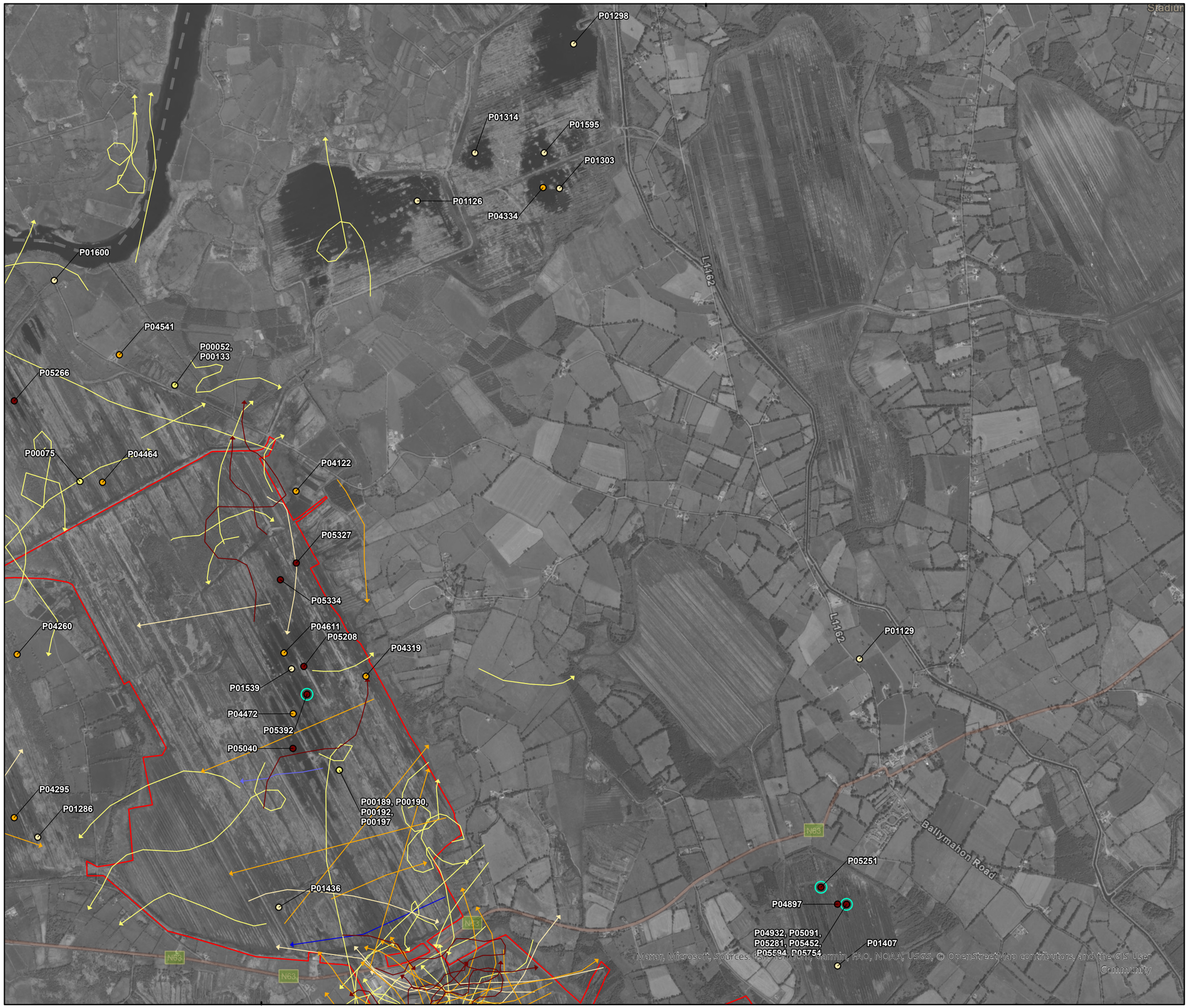
7°53'50"W



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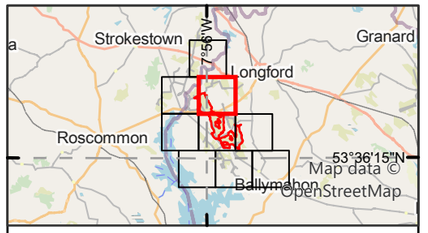

Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Black-headed Gull
Sheet 3 of 9

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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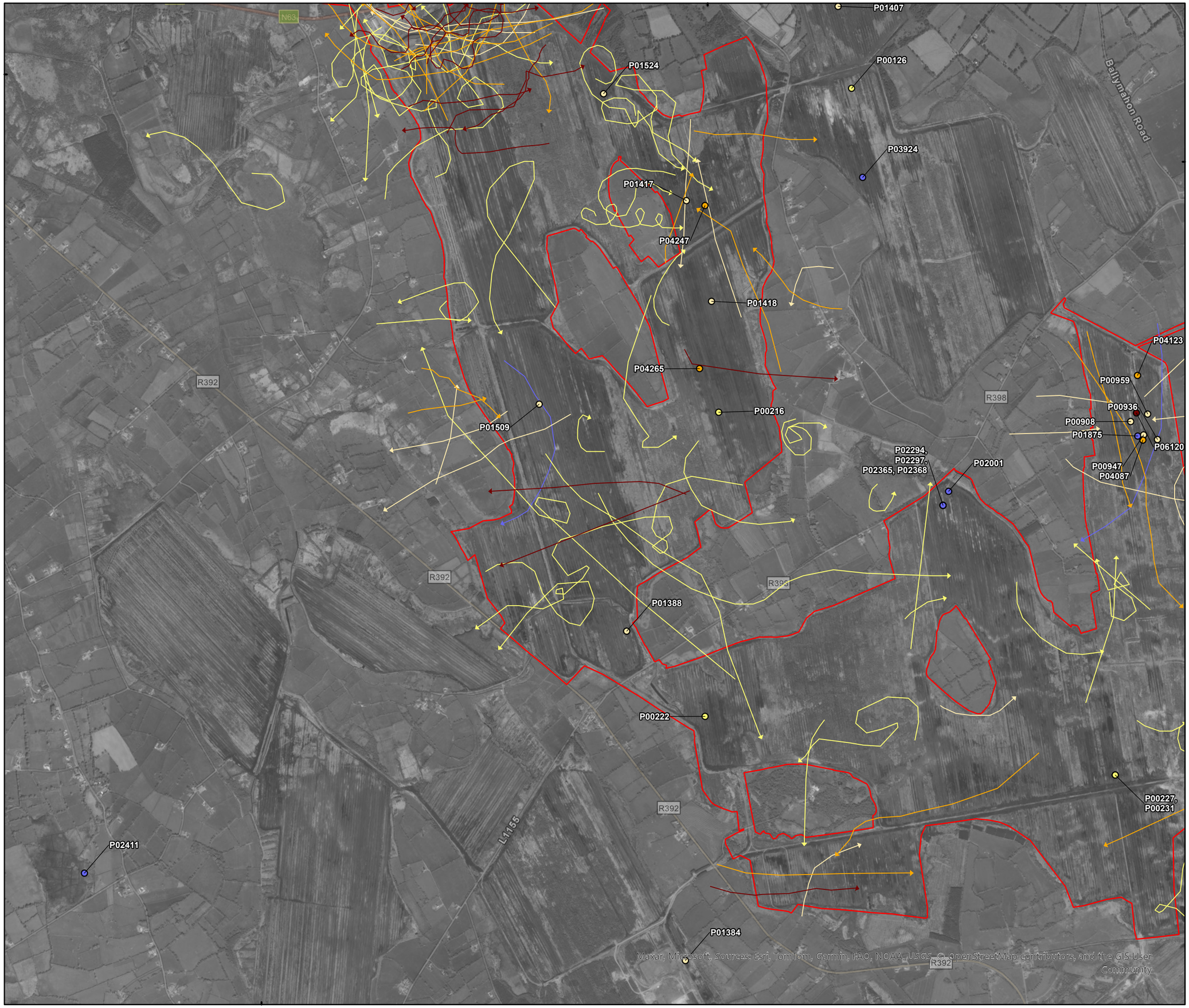
Draft: A

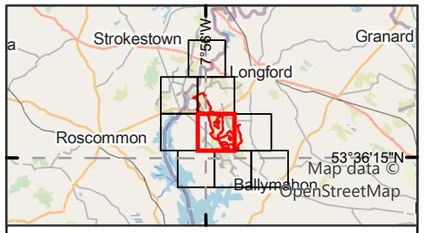
7°53'50"W

53°40'0"N

768000

604000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-22/23
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Black-headed Gull
Sheet 4 of 9

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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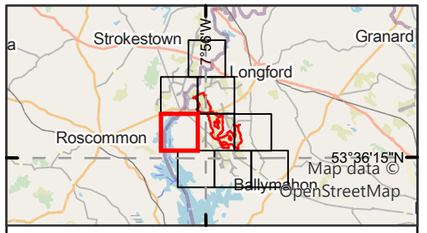
8°2'40"W

53°40'0"N

768000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Breeding-21

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Black-headed Gull
Sheet 5 of 9

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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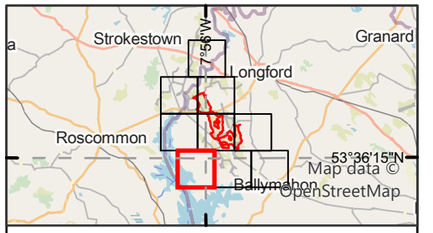

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Black-headed Gull
Sheet 6 of 9

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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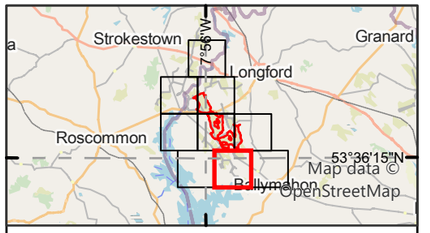

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-21
- Breeding-22
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Black-headed Gull
Sheet 7 of 9

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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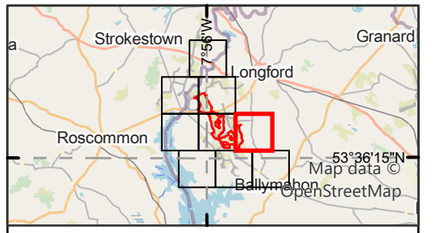

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-22/23
- Breeding-21
- Breeding-22
- Breeding-23

*should be read with data in Appendix 8.3

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Black-headed Gull
Sheet 8 of 9

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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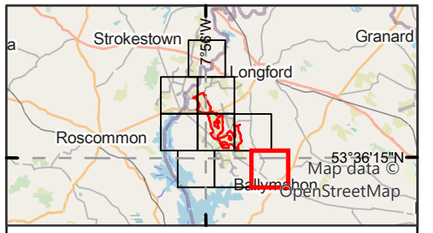

Legend

Proposed wind farm site boundary

*should be read with data in Appendix 8.3

0 0.5 1
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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Black-headed Gull
Sheet 9 of 9

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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Appendix 8.3b BLACK-TAILED GODWIT

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP2	29/04/2021	12:09	5	0	109	0	0	0
Non-breeding	VP1	01/02/2022	11:34	1	0	20	0	0	0

	I-WeBS & Breeding Waders Survey						
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01088	Breeding	Ref: 4	20/04/2022	9	Roosting.	N/A	N/A

7°53'50"W

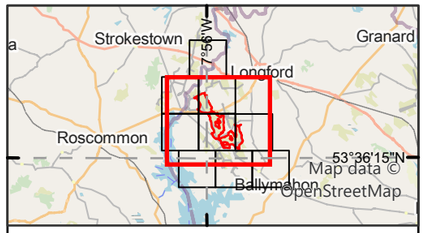
53°40'0"N

768000

604000

614400





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

Breeding-22

Flightline observations - Seasons

Non-breeding-21/22

Breeding-21

0 1 2

Kilometres

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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Black-tailed Godwit
Sheet 1 of 1

Scale @ A3: 1:50,000

Prepared by:	Checked by:	Date:
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Appendix 8.3c COMMON BUZZARD

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP2	29/04/2021	10:17	2	0	22	0	0	0
Breeding	VP2	29/04/2021	11:34	2	0	0	42	0	97
Breeding	VP2	29/04/2021	11:56	1	0	0	189	0	0
Breeding	VP2	29/04/2021	12:32	1	0	0	59	0	0
Breeding	VP2	29/04/2021	14:26	3	0	19	210	0	0
Breeding	VP2	29/04/2021	15:09	1	13	29	206	0	0
Breeding	VP2	29/04/2021	15:24	1	0	24	72	0	0
Breeding	VP3	04/05/2021	16:49	1	0	34	0	0	0
Breeding	VP3	04/05/2021	18:10	1	16	60	0	0	0
Breeding	VP4	05/05/2021	08:50	1	0	97	222	0	0
Breeding	VP4	05/05/2021	09:03	1	0	37	373	0	0
Breeding	VP4	05/05/2021	09:46	1	6	7	401	0	0
Breeding	VP4	05/05/2021	10:44	1	0	50	256	0	0
Breeding	VP4	05/05/2021	10:52	1	0	30	66	0	0
Breeding	VP4	05/05/2021	11:00	1	4	54	346	0	0
Breeding	VP4	05/05/2021	13:34	1	2	12	108	0	520
Breeding	VP4	05/05/2021	14:10	1	6	50	0	0	0
Breeding	VP4	05/05/2021	15:20	1	0	22	249	0	0
Breeding	VP4	05/05/2021	15:45	1	45	0	0	0	0
Breeding	VP5	05/05/2021	16:43	1	24	0	0	0	0
Breeding	VP5	05/05/2021	18:02	1	0	0	105	0	0
Breeding	VP1	06/05/2021	16:45	1	55	98	222	0	0
Breeding	VP1	06/05/2021	17:42	3	36	0	0	0	0
Breeding	VP1	06/05/2021	18:10	3	0	49	198	0	0
Breeding	VP1	06/05/2021	13:20	1	0	114	0	0	0
Breeding	VP1	06/05/2021	15:21	2	0	28	106	0	0
Breeding	VP1	06/05/2021	14:29	1	0	50	295	0	0
Breeding	VP5	06/05/2021	09:30	1	0	42	59	0	326

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP5	06/05/2021	10:06	1	32	33	0	0	0
Breeding	VP5	06/05/2021	10:57	1	0	0	190	0	37
Breeding	VP5	06/05/2021	11:15	1	22	0	0	0	0
Breeding	VP6	07/05/2021	10:30	1	26	0	0	0	0
Breeding	VP6	07/05/2021	11:30	1	0	184	0	0	0
Breeding	VP6	07/05/2021	12:13	1	0	22	70	0	453
Breeding	VP6	07/05/2021	13:20	1	60	63	0	0	0
Breeding	VP6	07/05/2021	13:48	1	0	0	35	0	302
Breeding	VP7	07/05/2021	17:45	1	0	50	0	0	0
Breeding	VP7	07/05/2021	18:10	2	0	245	0	0	0
Breeding	VP7	07/05/2021	18:31	2	0	33	0	0	0
Breeding	VP7	11/05/2021	13:09	3	0	295	402	0	198
Breeding	VP7	11/05/2021	13:28	1	0	127	0	0	0
Breeding	VP7	11/05/2021	15:15	1	10	22	0	0	0
Breeding	VP7	11/05/2021	16:03	1	24	31	0	0	0
Breeding	VP8	11/05/2021	17:32	1	0	167	193	0	0
Breeding	VP8	11/05/2021	18:51	1	0	33	0	0	0
Breeding	VP8	19/05/2021	11:21	1	0	63	81	0	0
Breeding	VP8	19/05/2021	12:06	1	0	149	0	0	0
Breeding	VP8	19/05/2021	12:29	1	0	186	54	0	0
Breeding	VP9	21/05/2021	09:57	1	28	0	0	0	0
Breeding	VP9	21/05/2021	10:16	2	59	48	0	0	0
Breeding	VP9	21/05/2021	10:59	2	6	6	233	0	0
Breeding	VP9	21/05/2021	11:22	1	26	103	306	0	0
Breeding	VP9	22/05/2021	10:53	1	0	0	0	0	424
Breeding	VP9	22/05/2021	12:00	1	15	0	0	0	0
Breeding	VP9	22/05/2021	13:02	1	6	12	22	0	202
Breeding	VP9	22/05/2021	13:23	1	16	170	0	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP10	22/05/2021	15:01	2	0	5	48	0	317
Breeding	VP10	22/05/2021	15:09	1	18	0	0	0	0
Breeding	VP10	22/05/2021	15:41	1	14	32	203	0	0
Breeding	VP10	22/05/2021	16:22	1	0	0	0	0	543
Breeding	VP10	22/05/2021	16:51	1	0	121	121	0	0
Breeding	VP11	28/05/2021	13:02	5	0	27	54	0	208
Breeding	VP11	28/05/2021	13:32	2	0	17	50	0	53
Breeding	VP11	28/05/2021	14:16	2	0	48	0	0	0
Breeding	VP11	28/05/2021	14:56	1	31	32	0	0	0
Breeding	VP2	31/05/2021	09:28	1	15	0	0	0	0
Breeding	VP2	31/05/2021	09:39	1	25	50	28	0	0
Breeding	VP2	31/05/2021	09:56	1	0	0	62	0	0
Breeding	VP2	31/05/2021	10:27	1	0	36	0	0	0
Breeding	VP2	31/05/2021	11:11	1	24	56	51	0	0
Breeding	VP2	31/05/2021	17:55	1	0	35	154	0	0
Breeding	VP2	31/05/2021	19:12	1	0	45	0	0	0
Breeding	VP2	31/05/2021	19:35	1	6	0	0	0	0
Breeding	VP2	31/05/2021	20:02	1	18	55	0	0	0
Breeding	VP1	01/06/2021	10:07	1	0	102	39	0	0
Breeding	VP1	01/06/2021	10:53	1	0	21	76	0	316
Breeding	VP1	01/06/2021	13:11	1	0	35	154	0	0
Breeding	VP1	01/06/2021	15:51	1	0	49	57	0	0
Breeding	VP3	01/06/2021	17:22	1	0	13	84	0	245
Breeding	VP3	01/06/2021	17:39	1	0	58	0	0	0
Breeding	VP3	01/06/2021	17:55	1	35	27	0	0	0
Breeding	VP3	01/06/2021	19:41	1	0	32	28	0	0
Breeding	VP3	02/06/2021	13:39	1	0	22	90	0	0
Breeding	VP4	10/06/2021	13:21	1	0	63	0	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP4	10/06/2021	13:46	1	0	61	73	0	0
Breeding	VP4	10/06/2021	15:00	1	0	35	154	0	0
Breeding	VP4	10/06/2021	15:11	1	12	57	0	0	0
Breeding	VP4	10/06/2021	17:34	1	0	55	108	0	0
Breeding	VP4	10/06/2021	18:53	1	25	57	24	0	0
Breeding	VP4	10/06/2021	19:15	1	0	68	0	0	0
Breeding	VP5	16/06/2021	14:06	1	0	36	212	0	0
Breeding	VP5	16/06/2021	14:29	1	22	32	0	0	0
Breeding	VP5	16/06/2021	15:22	2	24	104	0	0	0
Breeding	VP5	16/06/2021	15:57	2	29	0	0	0	0
Breeding	VP5	16/06/2021	17:44	1	55	54	0	0	0
Breeding	VP5	16/06/2021	18:50	1	22	0	0	0	0
Breeding	VP5	16/06/2021	19:24	1	27	22	0	0	0
Breeding	VP5	16/06/2021	18:10	1	0	54	0	0	0
Breeding	VP6	17/06/2021	10:53	1	0	22	0	0	0
Breeding	VP6	17/06/2021	11:22	1	0	37	173	0	0
Breeding	VP6	17/06/2021	11:49	1	26	39	0	0	0
Breeding	VP6	17/06/2021	12:48	1	42	0	0	0	0
Breeding	VP6	17/06/2021	15:06	1	0	40	0	0	0
Breeding	VP6	17/06/2021	15:19	1	0	18	86	0	0
Breeding	VP6	17/06/2021	16:27	1	0	133	0	0	0
Breeding	VP7	18/06/2021	13:56	1	0	89	0	0	0
Breeding	VP7	18/06/2021	14:37	1	0	38	107	0	0
Breeding	VP7	18/06/2021	15:15	1	17	48	144	0	0
Breeding	VP7	18/06/2021	09:54	1	7	15	102	0	0
Breeding	VP7	18/06/2021	11:07	1	31	56	105	0	0
Breeding	VP8	23/06/2021	10:37	1	0	0	193	0	0
Breeding	VP8	23/06/2021	14:32	1	0	23	190	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP8	23/06/2021	14:44	1	0	0	149	0	0
Breeding	VP8	23/06/2021	16:31	1	0	23	59	0	0
Breeding	VP9	23/06/2021	20:14	2	0	0	45	0	0
Breeding	VP9	23/06/2021	19:11	1	0	65	135	0	0
Breeding	VP9	24/06/2021	12:12	1	20	53	0	0	0
Breeding	VP9	24/06/2021	12:04	2	0	29	199	0	0
Breeding	VP9	24/06/2021	10:49	1	0	92	102	0	133
Breeding	VP10	24/06/2021	15:33	1	15	19	0	0	0
Breeding	VP11	25/06/2021	11:33	1	27	26	75	0	0
Breeding	VP11	25/06/2021	12:14	1	17	25	187	0	0
Breeding	VP11	25/06/2021	13:06	1	0	57	0	0	0
Breeding	VP11	25/06/2021	15:20	1	15	14	196	0	0
Breeding	VP11	25/06/2021	15:35	1	0	50	0	0	0
Breeding	VP11	25/06/2021	17:32	1	10	0	0	0	0
Breeding	VP3	05/07/2021	11:37	1	0	36	0	0	0
Breeding	VP3	05/07/2021	16:34	1	5	25	78	0	0
Breeding	VP3	05/07/2021	17:52	1	0	15	22	0	0
Breeding	VP1	06/07/2021	11:30	1	20	18	106	0	0
Breeding	VP1	06/07/2021	13:30	1	12	14	49	0	0
Breeding	VP1	06/07/2021	15:50	1	0	22	106	0	0
Breeding	VP3	06/07/2021	09:19	1	0	33	115	0	0
Breeding	VP5	06/07/2021	17:39	1	0	15	307	0	0
Breeding	VP2	07/07/2021	12:55	1	0	11	18	0	200
Breeding	VP2	07/07/2021	15:01	1	7	15	102	0	0
Breeding	VP2	07/07/2021	16:38	1	15	17	83	0	0
Breeding	VP2	07/07/2021	16:47	1	0	21	75	0	0
Breeding	VP4	07/07/2021	18:50	1	0	0	90	0	0
Breeding	VP4	07/07/2021	19:53	1	0	23	43	0	247

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP4	07/07/2021	20:49	1	0	0	162	0	0
Breeding	VP6	08/07/2021	11:50	1	9	15	141	0	0
Breeding	VP6	08/07/2021	12:45	1	0	0	49	0	0
Breeding	VP6	08/07/2021	16:05	1	0	0	107	0	0
Breeding	VP6	08/07/2021	16:51	1	15	0	0	0	0
Breeding	VP7	08/07/2021	19:23	1	13	27	107	0	0
Breeding	VP7	08/07/2021	21:09	1	0	14	49	0	0
Breeding	VP4	09/07/2021	15:00	1	0	12	112	0	0
Breeding	VP4	09/07/2021	16:08	1	0	34	0	0	0
Breeding	VP4	09/07/2021	17:02	1	0	29	71	0	0
Breeding	VP5	09/07/2021	18:47	1	0	17	93	0	0
Breeding	VP5	09/07/2021	21:14	1	0	16	81	0	0
Breeding	VP7	09/07/2021	11:37	1	10	12	152	0	0
Breeding	VP8	13/07/2021	08:03	1	6	27	102	0	0
Breeding	VP8	13/07/2021	08:35	1	0	13	60	0	0
Breeding	VP8	13/07/2021	09:02	1	8	10	48	0	0
Breeding	VP8	13/07/2021	15:31	1	0	17	56	0	0
Breeding	VP8	13/07/2021	15:40	1	10	13	39	0	0
Breeding	VP8	13/07/2021	16:43	1	16	11	70	0	0
Breeding	VP9	14/07/2021	08:12	1	0	18	61	0	0
Breeding	VP9	14/07/2021	10:15	1	0	46	64	0	0
Breeding	VP9	15/07/2021	08:27	1	10	9	60	0	0
Breeding	VP9	15/07/2021	08:55	1	6	22	72	0	0
Breeding	VP9	15/07/2021	09:23	1	0	18	75	0	0
Breeding	VP10	15/07/2021	16:47	1	0	16	61	0	0
Breeding	VP10	15/07/2021	17:52	1	0	13	47	0	0
Breeding	VP10	15/07/2021	12:47	1	0	27	120	0	0
Breeding	VP10	15/07/2021	14:52	1	0	18	73	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP11	16/07/2021	09:06	1	0	37	0	0	0
Breeding	VP11	16/07/2021	10:54	1	0	12	93	0	0
Breeding	VP11	16/07/2021	13:28	1	9	9	102	0	0
Breeding	VP11	16/07/2021	13:46	1	0	13	60	0	0
Breeding	VP5	27/07/2021	09:45	1	7	17	184	0	0
Breeding	VP5	27/07/2021	10:33	1	34	0	0	0	0
Breeding	VP5	27/07/2021	11:59	1	15	17	173	0	0
Breeding	VP5	27/07/2021	16:06	1	0	15	190	0	0
Breeding	VP5	27/07/2021	17:42	1	0	0	129	0	0
Breeding	VP5	27/07/2021	18:33	1	0	0	87	0	0
Breeding	VP2	28/07/2021	11:55	1	13	36	0	0	0
Breeding	VP2	28/07/2021	12:10	1	12	36	0	0	0
Breeding	VP3	28/07/2021	17:38	1	18	10	0	0	0
Breeding	VP3	28/07/2021	18:40	1	12	15	173	0	0
Breeding	VP3	28/07/2021	19:29	1	0	31	19	0	0
Breeding	VP1	29/07/2021	11:04	1	6	12	190	0	0
Breeding	VP1	29/07/2021	13:01	1	0	10	87	0	0
Breeding	VP1	29/07/2021	14:28	1	0	14	108	0	0
Breeding	VP1	29/07/2021	16:43	1	0	12	105	0	0
Breeding	VP3	29/07/2021	19:14	1	0	18	70	0	0
Breeding	VP3	29/07/2021	19:50	1	3	30	0	0	0
Breeding	VP4	30/07/2021	12:52	1	0	11	102	0	0
Breeding	VP4	30/07/2021	13:41	1	13	120	0	0	0
Breeding	VP4	30/07/2021	15:58	1	10	16	70	0	0
Breeding	VP7	02/08/2021	12:28	1	0	50	0	0	0
Breeding	VP8	03/08/2021	17:54	1	0	24	155	0	0
Breeding	VP8	03/08/2021	19:16	1	0	0	105	0	0
Breeding	VP9	03/08/2021	10:59	1	0	14	0	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP9	03/08/2021	12:30	2	0	0	103	0	0
Breeding	VP9	03/08/2021	15:47	1	0	15	84	0	0
Breeding	VP9	03/08/2021	16:23	1	0	27	109	0	73
Breeding	VP6	04/08/2021	11:15	1	0	55	0	0	0
Breeding	VP6	04/08/2021	12:30	1	0	16	61	0	0
Breeding	VP6	04/08/2021	14:37	1	0	63	0	0	0
Breeding	VP8	04/08/2021	18:42	1	8	60	0	0	0
Breeding	VP8	04/08/2021	19:39	1	12	18	22	0	0
Breeding	VP10	11/08/2021	10:38	1	11	11	100	0	0
Breeding	VP10	11/08/2021	11:22	1	0	0	15	0	102
Breeding	VP10	11/08/2021	11:44	1	6	20	79	0	0
Breeding	VP11	11/08/2021	13:56	1	15	0	0	0	0
Breeding	VP11	11/08/2021	14:45	1	5	22	48	0	0
Breeding	VP11	11/08/2021	17:51	1	0	21	51	0	0
Breeding	VP11	11/08/2021	18:43	1	5	11	78	0	0
Breeding	VP5	12/08/2021	10:40	1	7	30	95	0	0
Breeding	VP5	12/08/2021	11:56	1	53	0	0	0	0
Breeding	VP5	12/08/2021	14:30	1	29	0	0	0	0
Breeding	VP5	12/08/2021	15:59	2	0	0	195	0	0
Breeding	VP4	13/08/2021	10:53	1	3	11	80	0	0
Breeding	VP4	13/08/2021	15:05	1	0	15	61	0	0
Breeding	VP7	13/08/2021	19:55	1	0	52	0	0	0
Breeding	VP8	14/08/2021	12:22	1	15	0	0	0	0
Breeding	VP3	16/08/2021	09:09	1	0	33	64	0	0
Breeding	VP3	16/08/2021	10:34	1	0	43	67	0	0
Breeding	VP3	16/08/2021	11:39	1	0	47	0	0	0
Breeding	VP3	16/08/2021	13:02	1	4	16	152	0	0
Breeding	VP3	16/08/2021	14:21	1	13	49	0	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP8	16/08/2021	19:00	1	0	45	0	0	0
Breeding	VP2	17/08/2021	09:57	1	0	0	198	0	0
Breeding	VP2	17/08/2021	10:34	1	0	81	0	0	0
Breeding	VP2	17/08/2021	12:32	1	14	13	0	0	0
Breeding	VP2	17/08/2021	13:38	1	0	0	204	0	0
Breeding	VP9	17/08/2021	17:47	1	0	44	0	0	0
Breeding	VP1	18/08/2021	11:21	1	26	0	0	0	0
Breeding	VP1	18/08/2021	14:45	1	14	50	0	0	0
Breeding	VP9	18/08/2021	16:35	1	0	36	0	0	0
Breeding	VP9	18/08/2021	18:39	1	0	55	0	0	0
Breeding	VP6	19/08/2021	09:34	1	15	0	0	0	0
Breeding	VP6	19/08/2021	11:06	1	0	55	0	0	0
Breeding	VP6	19/08/2021	11:35	1	0	0	104	0	196
Breeding	VP6	19/08/2021	13:12	5	0	0	107	0	105
Breeding	VP6	19/08/2021	14:19	1	10	19	0	0	0
Breeding	VP6	19/08/2021	15:38	1	0	0	153	0	0
Breeding	VP10	19/08/2021	17:04	3	5	27	205	0	73
Breeding	VP10	19/08/2021	17:46	1	0	18	82	0	0
Breeding	VP10	19/08/2021	19:31	1	0	42	0	0	0
Breeding	VP10	20/08/2021	09:51	1	0	50	0	0	0
Breeding	VP3	02/09/2021	09:12	1	7	12	0	0	0
Breeding	VP3	02/09/2021	10:10	1	0	54	0	0	0
Breeding	VP3	02/09/2021	13:26	1	10	13	70	0	0
Breeding	VP3	02/09/2021	15:05	1	0	0	152	0	0
Breeding	VP5	02/09/2021	16:43	1	12	13	62	0	0
Breeding	VP5	02/09/2021	18:05	1	0	14	94	0	0
Breeding	VP5	03/09/2021	10:17	1	4	13	46	0	0
Breeding	VP5	03/09/2021	10:47	1	15	0	0	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP5	03/09/2021	11:22	1	0	8	100	0	0
Breeding	VP7	03/09/2021	13:22	1	0	0	163	0	0
Breeding	VP7	03/09/2021	14:47	1	0	22	0	0	0
Breeding	VP7	03/09/2021	17:14	1	0	0	124	0	0
Breeding	VP7	03/09/2021	18:22	1	7	14	145	0	0
Breeding	VP1	06/09/2021	10:10	1	0	64	0	0	0
Breeding	VP1	06/09/2021	12:15	1	0	60	0	0	0
Breeding	VP4	07/09/2021	14:05	1	0	15	87	0	0
Breeding	VP4	07/09/2021	16:12	1	0	65	0	0	0
Breeding	VP8	07/09/2021	11:03	1	0	19	160	0	0
Breeding	VP6	09/09/2021	09:03	1	0	0	97	0	0
Breeding	VP6	09/09/2021	10:51	1	0	0	258	0	0
Breeding	VP2	12/09/2021	14:12	1	0	13	90	0	0
Breeding	VP2	12/09/2021	16:30	1	0	77	0	0	0
Breeding	VP6	12/09/2021	09:08	1	0	0	207	0	0
Breeding	VP6	12/09/2021	10:33	1	0	22	103	0	0
Breeding	VP9	13/09/2021	09:11	1	0	0	112	0	0
Breeding	VP9	13/09/2021	09:55	1	0	50	0	0	0
Breeding	VP9	13/09/2021	13:05	1	6	63	0	0	0
Breeding	VP9	13/09/2021	14:07	1	0	44	0	0	0
Breeding	VP10	13/09/2021	17:21	1	0	20	199	0	0
Breeding	VP10	13/09/2021	18:03	1	5	50	0	0	0
Breeding	VP10	14/09/2021	09:48	1	0	73	0	0	0
Breeding	VP10	14/09/2021	10:59	1	12	73	37	0	0
Breeding	VP11	14/09/2021	14:22	1	10	18	56	0	0
Breeding	VP11	14/09/2021	17:25	1	0	15	87	0	0
Breeding	VP2	20/09/2021	09:41	1	9	55	0	0	0
Breeding	VP2	20/09/2021	14:28	1	0	44	0	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP5	20/09/2021	16:04	1	9	24	75	0	0
Breeding	VP5	20/09/2021	17:57	1	6	41	0	0	0
Breeding	VP5	21/09/2021	17:15	1	0	15	62	0	0
Breeding	VP5	21/09/2021	18:43	1	0	0	104	0	0
Breeding	VP9	21/09/2021	11:15	1	0	71	0	0	0
Breeding	VP9	21/09/2021	13:52	1	23	11	0	0	0
Breeding	VP10	22/09/2021	14:14	1	8	27	0	0	0
Breeding	VP11	22/09/2021	18:27	1	13	41	0	0	0
Breeding	VP4	23/09/2021	09:14	1	18	54	21	0	0
Breeding	VP4	23/09/2021	14:06	1	0	86	0	0	0
Breeding	VP11	23/09/2021	18:00	1	10	69	0	0	0
Breeding	VP1	24/09/2021	17:24	1	11	0	41	0	0
Breeding	VP8	24/09/2021	09:25	1	7	76	0	0	0
Breeding	VP1	27/09/2021	10:56	1	0	63	0	0	0
Breeding	VP7	27/09/2021	12:39	1	14	52	0	0	0
Breeding	VP3	28/09/2021	16:04	1	15	54	0	0	0
Breeding	VP6	28/09/2021	10:55	1	8	50	0	0	0
Breeding	VP6	28/09/2021	12:58	2	0	103	0	0	0
Breeding	VP3	29/09/2021	10:11	1	12	32	0	0	0
Non-breeding	VP1	01/10/2021	12:30	1	19	70	0	0	0
Non-breeding	VP1	01/10/2021	09:22	1	11	59	0	0	0
Non-breeding	VP5	01/10/2021	16:40	1	8	71	0	0	0
Non-breeding	VP4	02/10/2021	08:35	1	0	53	0	0	0
Non-breeding	VP5	02/10/2021	15:55	1	6	12	88	0	0
Non-breeding	VP6	03/10/2021	09:18	1	14	40	0	0	0
Non-breeding	VP6	03/10/2021	12:54	1	21	56	0	0	0
Non-breeding	VP9	25/10/2021	10:17	1	0	60	0	0	0
Non-breeding	VP3	26/10/2021	10:15	1	14	49	0	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP8	27/10/2021	14:00	1	10	31	31	0	0
Non-breeding	VP2	28/10/2021	09:22	1	24	0	0	0	0
Non-breeding	VP2	28/10/2021	14:22	1	5	50	0	0	0
Non-breeding	VP9	29/10/2021	14:38	1	18	58	73	0	0
Non-breeding	VP10	18/11/2021	12:48	1	0	10	112	0	0
Non-breeding	VP3	22/11/2021	09:53	1	1320*	0	0	0	0
Non-breeding	VP4	25/11/2021	12:51	1	1500*	0	0	0	0
Non-breeding	VP5	26/11/2021	13:35	1	0	37	0	0	0
Non-breeding	VP7	29/11/2021	15:24	1	59	0	0	0	0
Non-breeding	VP7	29/11/2021	16:06	1	72	0	0	0	0
Non-breeding	VP1	01/12/2021	12:57	1	6	0	0	0	0
Non-breeding	VP1	01/12/2021	14:06	2	0	0	42	0	0
Non-breeding	VP6	02/12/2021	09:40	3	0	180	0	0	0
Non-breeding	VP6	02/12/2021	10:03	2	5	45	0	0	0
Non-breeding	VP6	02/12/2021	10:20	1	10	55	0	0	0
Non-breeding	VP6	02/12/2021	14:29	1	16	0	0	0	0
Non-breeding	VP3	13/12/2021	15:02	1	0	0	5	0	0
Non-breeding	VP5	14/12/2021	11:30	1	0	0	83	0	0
Non-breeding	VP4	15/12/2021	11:41	1	0	60	0	0	0
Non-breeding	VP7	15/12/2021	10:31	2	0	10	5	0	0
Non-breeding	VP7	15/12/2021	11:15	1	0	10	0	0	0
Non-breeding	VP7	15/12/2021	14:01	2	0	30	0	0	0
Non-breeding	VP6	16/12/2021	11:57	1	30	100	0	0	0
Non-breeding	VP1	07/01/2022	14:10	1	0	20	0	0	0
Non-breeding	VP6	24/01/2022	11:59	1	0	32	0	0	0
Non-breeding	VP6	24/01/2022	13:40	1	0	184	0	0	0
Non-breeding	VP2	03/02/2022	13:03	1	0	20	0	0	0
Non-breeding	VP9	09/02/2022	11:48	1	0	103	0	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP5	25/02/2022	10:48	1	0	120	260	0	0
Non-breeding	VP5	25/02/2022	12:53	3	0	0	100	0	0
Non-breeding	VP6	25/02/2022	09:35	1	33	6	0	0	0
Non-breeding	VP6	25/02/2022	11:35	1	0	0	40	0	0
Non-breeding	VP6	25/02/2022	15:10	1	0	0	95	0	0
Non-breeding	VP4	28/02/2022	09:42	2	0	0	60	0	0
Non-breeding	VP5	15/03/2022	10:39	1	0	10	70	0	0
Non-breeding	VP10	15/03/2022	11:57	1	0	50	23	0	0
Non-breeding	VP3	16/03/2022	10:03	1	0	0	0	0	25
Non-breeding	VP3	16/03/2022	13:02	6	0	30	0	0	0
Non-breeding	VP6	16/03/2022	10:59	1	0	0	43	0	0
Non-breeding	VP6	16/03/2022	11:22	1	0	0	0	0	44
Non-breeding	VP11	28/03/2022	11:16	2	0	200	300	0	0
Breeding	VP9	11/04/2022	11:00	1	60	0	0	0	0
Breeding	VP 2	13/04/2022	15:03	1	0	20	615	0	0
Breeding	VP 2	13/04/2022	16:49	1	0	0	320	0	0
Breeding	VP11	15/04/2022	10:56	1	0	80	190	80	0
Breeding	VP 4	15/04/2022	07:25	1	25	0	0	0	0
Breeding	VP 4	15/04/2022	10:35	1	15	20	325	0	0
Breeding	VP 5	20/04/2022	16:22	1	15	0	0	0	0
Breeding	VP 4	03/05/2022	15:28	2	0	30	170	20	661
Breeding	VP 5	04/05/2022	06:48	1	25	0	0	0	0
Breeding	VP 5	04/05/2022	14:08	1	0	25	210	40	0
Breeding	VP11	04/05/2022	15:59	3	0	60	130	120	0
Breeding	VP9	11/05/2022	17:06	1	0	0	80	75	0
Breeding	VP10	12/05/2022	18:15	1	12	0	0	0	0
Breeding	VP 6	16/05/2022	17:19	1	0	25	285	0	0
Breeding	VP 1	18/05/2022	10:45	1	10	70	0	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP 2	31/05/2022	11:52	1	0	20	430	0	0
Breeding	VP 3	08/06/2022	17:12	1	15	15	0	0	0
Breeding	VP 3	08/06/2022	17:49	1	0	40	0	0	0
Breeding	VP10	08/06/2022	13:31	1	615	0	0	0	0
Breeding	VP 1	09/06/2022	16:06	1	0	40	175	0	0
Breeding	VP 1	09/06/2022	16:48	1	0	0	210	0	0
Breeding	VP10	09/06/2022	14:15	1	65	0	0	0	0
Breeding	VP9	09/06/2022	19:45	1	210	135	0	0	0
Breeding	VP 2	10/06/2022	12:27	1	0	220	45	0	0
Breeding	VP 2	10/06/2022	15:22	1	0	40	155	0	0
Breeding	VP 4	27/06/2022	14:46	1	0	0	240	0	0
Breeding	VP 5	28/06/2022	14:39	1	0	130	0	0	0
Breeding	VP 5	28/06/2022	15:27	1	0	40	310	0	0
Breeding	VP 7	30/06/2022	13:06	1	20	335	0	0	0
Breeding	VP 7	30/06/2022	14:13	1	0	556	0	0	0
Breeding	VP 1	01/07/2022	12:26	1	0	50	270	0	0
Breeding	VP 3	06/07/2022	10:12	1	0	50	170	0	0
Breeding	VP 2	06/07/2022	15:19	1	0	195	0	0	0
Breeding	VP 4	07/07/2022	14:28	2	0	25	120	50	235
Breeding	VP10	07/07/2022	12:10	1	0	30	30	60	0
Breeding	VP10	07/07/2022	13:31	1	0	35	0	0	0
Breeding	VP10	07/07/2022	15:32	1	0	20	30	60	0
Breeding	VP 4	08/07/2022	13:49	1	0	45	290	420	350
Breeding	VP11	13/07/2022	10:45	1	0	30	30	60	0
Breeding	VP 5	27/07/2022	15:12	1	190	30	0	0	0
Breeding	VP 6	28/07/2022	13:06	1	10	0	0	0	0
Breeding	VP 6	28/07/2022	13:13	1	20	10	0	0	0
Breeding	VP 6	28/07/2022	17:07	1	15	10	210	0	155

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP 6	28/07/2022	17:22	1	10	0	0	0	0
Breeding	VP 6	28/07/2022	17:23	1	0	45	670	0	240
Breeding	VP 7	29/07/2022	10:48	1	30	145	0	0	0
Breeding	VP 3	03/08/2022	15:09	1	15	0	0	0	0
Breeding	VP10	05/08/2022	10:50	1	35	0	0	0	0
Breeding	VP10	05/08/2022	13:05	1	95	25	0	0	0
Breeding	VP10	05/08/2022	14:20	2	60	60	120	160	0
Breeding	VP9	08/08/2022	12:25	2	0	30	260	120	0
Breeding	VP11	09/08/2022	11:55	1	0	0	60	230	0
Breeding	VP 4	16/08/2022	11:38	1	0	0	642	30	50
Breeding	VP 5	17/08/2022	12:23	1	0	128	0	0	0
Breeding	VP8	17/08/2022	11:35	1	0	65	0	0	0
Breeding	VP8	17/08/2022	13:40	1	30	0	0	0	0
Breeding	VP8	17/08/2022	14:05	1	45	0	0	0	0
Breeding	VP8	17/08/2022	14:45	2	0	20	30	70	0
Breeding	VP 5	23/08/2022	16:32	1	0	0	440	20	75
Breeding	VP 6	30/08/2022	13:17	1	25	0	0	0	0
Breeding	VP 7	31/08/2022	13:18	1	20	0	0	0	0
Breeding	VP 7	31/08/2022	16:02	1	45	20	0	0	0
Breeding	VP10	05/09/2022	15:10	1	30	30	60	120	0
Breeding	VP 3	06/09/2022	15:16	2	0	40	85	0	0
Breeding	VP 3	06/09/2022	15:18	1	10	20	170	0	0
Breeding	VP9	08/09/2022	09:50	1	0	60	100	210	0
Breeding	VP8	08/09/2022	15:05	1	0	0	60	120	210
Breeding	VP8	08/09/2022	15:35	4	0	0	0	0	115
Breeding	VP9	12/09/2022	16:05	3	0	0	0	60	320
Breeding	VP 1	27/09/2022	17:06	1	0	75	0	0	0
Breeding	VP 6	28/09/2022	13:08	1	10	35	0	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP8	04/10/2022	08:45	1	25	0	0	0	0
Non-breeding	VP7	05/10/2022	09:35	2	35	0	0	0	0
Non-breeding	VP3	07/10/2022	16:58	2	0	4	0	0	0
Non-breeding	VP4	08/10/2022	13:01	1	40	30	0	0	0
Non-breeding	VP4	08/10/2022	16:55	1	0	19	0	0	0
Non-breeding	VP11	13/10/2022	09:55	1	120	0	0	0	0
Non-breeding	VP8	03/11/2022	14:20	1	0	0	25	0	0
Non-breeding	VP10	04/11/2022	09:55	1	0	65	0	0	0
Non-breeding	VP10	04/11/2022	13:20	1	0	0	40	0	0
Non-breeding	VP7	07/11/2022	15:00	1	0	0	65	0	0
Non-breeding	VP11	14/11/2022	13:30	1	0	85	0	0	0
Non-breeding	VP11	14/11/2022	14:20	2	0	0	60	190	0
Non-breeding	VP1	14/11/2022	09:52	1	0	8	0	0	0
Non-breeding	VP6	21/11/2022	13:35	1	25	5	0	0	0
Non-breeding	VP10	01/12/2022	11:17	1	40	0	0	0	0
Non-breeding	VP10	01/12/2022	11:55	1	15	25	0	0	0
Non-breeding	VP8	05/12/2022	14:10	1	0	0	25	0	0
Non-breeding	VP1	09/01/2023	14:26	1	4	6	0	0	0
Non-breeding	VP10	09/01/2023	11:55	1	0	65	0	0	0
Non-breeding	VP10	09/01/2023	13:40	1	0	0	75	0	0
Non-breeding	VP10	09/01/2023	15:15	1	0	0	365	0	0
Non-breeding	VP8	11/01/2023	10:45	1	0	35	0	0	0
Non-breeding	VP7	19/01/2023	11:15	2	0	75	0	0	0
Non-breeding	VP7	19/01/2023	15:15	1	35	0	0	0	0
Non-breeding	VP10	02/02/2023	13:30	1	0	35	0	0	0
Non-breeding	VP10	02/02/2023	14:30	1	0	10	85	0	0
Non-breeding	VP9	09/02/2023	12:05	1	0	30	125	0	0
Non-breeding	VP9	09/02/2023	12:55	1	0	30	30	60	210

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP9	09/02/2023	14:05	1	30	120	620	0	0
Non-breeding	VP9	09/02/2023	15:30	3	0	60	130	120	0
Non-breeding	VP4	13/02/2023	12:01	1	0	15	0	0	0
Non-breeding	VP8	15/02/2023	16:05	1	0	45	0	0	0
Non-breeding	VP5	24/02/2023	08:10	1	4	0	0	0	0
Non-breeding	VP5	24/02/2023	12:01	4	4	0	0	0	0
Non-breeding	VP1	07/03/2023	14:00	1	7	10	5	0	0
Non-breeding	VP10	07/03/2023	13:35	1	0	35	0	0	0
Non-breeding	VP10	07/03/2023	14:00	2	0	65	85	0	0
Non-breeding	VP10	07/03/2023	14:55	1	0	35	65	0	0
Non-breeding	VP10	07/03/2023	17:05	1	0	20	0	0	0
Non-breeding	VP7	08/03/2023	14:40	1	0	45	0	0	0
Non-breeding	VP2	10/03/2023	10:44	1	7	0	0	0	0
Non-breeding	VP9	14/03/2023	13:45	1	0	0	0	175	0
Non-breeding	VP9	14/03/2023	15:25	2	0	65	115	0	0
Non-breeding	VP6	28/03/2023	16:10	1	9	3	0	0	0
Breeding	VP4	06/04/2023	14:41	1	0	65	0	0	0
Breeding	VP4	06/04/2023	14:55	1	0	70	80	210	0
Breeding	VP2	06/04/2023	16:10	1	0	0	215	0	0
Breeding	VP9	07/04/2023	15:30	1	0	65	0	0	0
Breeding	VP2	07/04/2023	08:55	1	0	0	378	0	0
Breeding	VP10	13/04/2023	14:55	1	0	0	30	165	0
Breeding	VP5	13/04/2023	12:13	1	0	115	0	0	0
Breeding	VP11	14/04/2023	16:50	4	30	65	0	0	0
Breeding	VP7	24/04/2023	19:47	1	15	26	0	0	0
Breeding	VP8	25/04/2023	20:03	1	15	0	0	0	0
Breeding	VP8	26/04/2023	14:58	1	0	0	485	20	40
Breeding	VP3	04/05/2023	07:10	1	0	75	0	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP3	04/05/2023	08:15	1	0	0	115	0	0
Breeding	VP3	04/05/2023	12:20	1	0	0	215	0	0
Breeding	VP2	09/05/2023	15:48	1	0	20	310	0	0
Breeding	VP2	09/05/2023	16:52	1	0	0	80	0	0
Breeding	VP5	20/05/2023	11:08	1	0	0	280	75	0
Breeding	VP1	22/05/2023	12:40	1	0	0	741	0	0
Breeding	VP1	22/05/2023	13:57	1	0	0	310	0	0
Breeding	VP8	23/05/2023	11:20	1	0	0	485	0	0
Breeding	VP7	25/05/2023	19:10	1	0	35	0	0	0
Breeding	VP11	27/05/2023	07:05	1	0	40	0	0	0
Breeding	VP9	30/05/2023	16:01	1	0	0	225	0	0
Breeding	VP10	31/05/2023	06:48	1	0	75	0	0	0
Breeding	VP4	08/06/2023	16:10	1	0	210	140	0	0
Breeding	VP4	08/06/2023	17:45	1	0	225	150	0	0
Breeding	VP4	08/06/2023	18:50	1	0	55	0	0	0
Breeding	VP6	08/06/2023	19:35	1	0	55	0	0	0
Breeding	VP2	15/06/2023	12:31	1	0	30	285	0	0
Breeding	VP8	20/06/2023	13:08	1	0	0	480	20	50
Breeding	VP3	21/06/2023	13:05	1	0	25	215	0	0
Breeding	VP3	21/06/2023	17:55	1	0	25	135	0	0
Breeding	VP11	27/06/2023	16:16	1	0	40	470	20	0
Breeding	VP9	29/06/2023	14:06	1	0	20	650	45	0
Breeding	VP3	05/07/2023	10:20	1	0	65	0	0	0
Breeding	VP7	12/07/2023	13:45	1	0	20	0	0	0
Breeding	VP6	13/07/2023	15:05	1	0	40	0	0	0
Breeding	VP5	20/07/2023	09:28	1	10	72	380	0	0
Breeding	VP5	20/07/2023	16:18	1	0	20	495	0	0
Breeding	VP8	24/07/2023	13:52	1	0	30	490	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP8	24/07/2023	18:41	1	0	0	275	0	0
Breeding	VP10	25/07/2023	16:52	1	0	30	275	0	0
Breeding	VP9	27/07/2023	08:42	1	20	40	310	0	0
Breeding	VP9	27/07/2023	15:16	1	20	0	0	0	0
Breeding	VP4	01/08/2023	09:25	1	30	0	0	0	0
Breeding	VP4	01/08/2023	12:55	1	0	35	110	215	0
Breeding	VP5	11/08/2023	10:18	1	0	40	215	0	0
Breeding	VP5	11/08/2023	15:12	1	0	0	95	0	0
Breeding	VP2	14/08/2023	12:18	1	0	30	115	0	0
Breeding	VP6	15/08/2023	13:48	1	0	0	380	0	0
Breeding	VP10	22/08/2023	17:12	1	0	20	115	0	0
Breeding	VP10	18/09/2023	17:38	1	0	30	45	0	0
Breeding	VP9	20/09/2023	11:10	1	0	11	0	0	0
Breeding	VP5	21/09/2023	14:28	1	10	3	0	0	0
Breeding	VP3	25/09/2023	13:55	1	0	0	60	230	0
Breeding	VP1	28/09/2023	11:30	3	0	65	115	0	0
Breeding	VP11	29/09/2023	09:58	1	7	0	0	0	0
Breeding	VP4	29/09/2023	08:20	2	0	65	0	0	0
Breeding	VP4	29/09/2023	12:45	1	0	65	0	0	0
Breeding	VP7	29/09/2023	13:47	1	0	20	35	0	0
Non-breeding	VP8	02/10/2023	18:40	1	0	30	0	0	0
Non-breeding	VP1	03/10/2023	15:10	1	90	30	0	0	0
Non-breeding	VP10	03/10/2023	08:05	1	0	30	60	0	0
Non-breeding	VP10	03/10/2023	09:05	2	55	0	0	0	0
Non-breeding	VP10	03/10/2023	13:10	1	0	0	175	0	0
Non-breeding	VP7	04/10/2023	13:05	1	0	110	0	0	0
Non-breeding	VP8	06/10/2023	08:30	1	35	0	0	0	0
Non-breeding	VP8	06/10/2023	13:45	1	0	165	0	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP6	09/10/2023	11:25	1	0	60	0	0	0
Non-breeding	VP6	09/10/2023	13:15	1	0	85	0	0	0
Non-breeding	VP10	02/11/2023	11:30	1	0	35	70	0	0
Non-breeding	VP10	02/11/2023	15:15	2	0	40	0	0	0
Non-breeding	VP6	03/11/2023	12:10	1	0	210	0	0	0
Non-breeding	VP6	03/11/2023	15:10	3	0	55	315	0	0
Non-breeding	VP7	06/11/2023	12:55	1	40	35	0	0	0
Non-breeding	VP7	06/11/2023	14:40	1	0	0	50	0	0
Non-breeding	VP1	07/11/2023	13:10	1	4	0	0	0	0
Non-breeding	VP8	09/11/2023	10:55	2	0	40	55	0	0
Non-breeding	VP8	09/11/2023	15:40	1	0	65	0	0	0
Non-breeding	VP9	22/11/2023	10:47	1	15	25	370	0	0
Non-breeding	VP10	04/12/2023	09:20	1	0	30	0	0	0
Non-breeding	VP10	04/12/2023	15:05	1	0	35	0	0	0
Non-breeding	VP3	05/12/2023	13:28	2	8	2	0	0	0
Non-breeding	VP9	05/12/2023	14:59	1	25	0	0	0	0
Non-breeding	VP8	07/12/2023	09:40	1	0	40	0	0	0
Non-breeding	VP3	05/01/2024	12:40	1	3	13	0	0	0
Non-breeding	VP8	08/01/2024	14:10	1	25	0	0	0	0
Non-breeding	VP8	08/01/2024	14:55	1	35	0	0	0	0
Non-breeding	VP7	15/01/2024	16:05	3	0	75	0	0	0
Non-breeding	VP1	16/01/2024	14:08	1	3	0	0	0	0
Non-breeding	VP7	02/02/2024	10:25	2	0	65	275	0	0
Non-breeding	VP7	02/02/2024	15:00	2	0	35	0	0	0
Non-breeding	VP8	13/02/2024	10:45	1	45	0	0	0	0
Non-breeding	VP11	22/02/2024	10:41	1	20	70	0	0	0
Non-breeding	VP1	25/02/2024	13:51	1	-	13	0	0	0
Non-breeding	VP5	26/02/2024	13:18	1	8	5	0	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP5	26/02/2024	13:44	1	480	240	0	0	0
Non-breeding	VP6	04/03/2024	10:40	1	60	120	0	0	0
Non-breeding	VP10	05/03/2024	08:10	1	0	55	0	0	0
Non-breeding	VP10	05/03/2024	14:20	3	0	0	0	65	0
Non-breeding	VP7	06/03/2024	09:40	1	0	35	45	0	0
Non-breeding	VP9	07/03/2024	10:23	3	0	0	300	40	90
Non-breeding	VP9	07/03/2024	11:24	5	0	0	825	170	0
Non-breeding	VP8	11/03/2024	15:25	1	0	45	0	0	0
Non-breeding	VP11	19/03/2024	12:19	1	0	0	385	0	0
Non-breeding	VP2	24/03/2024	10:50	1	5	0	0	0	0
Non-breeding	VP2	24/03/2024	10:55	1	4	0	0	0	0
Non-breeding	VP5	27/03/2024	12:01	1	0	12	15	0	0
Breeding	VP10	02/04/2024	12:55	1	0	75	0	0	0
Breeding	VP10	02/04/2024	14:00	2	0	0	210	320	0
Breeding	VP10	02/04/2024	18:35	2	0	0	305	115	0
Breeding	VP7	03/04/2024	14:15	2	0	0	210	110	0
Breeding	VP6	09/04/2024	16:25	2	0	45	0	0	0
Breeding	VP2	11/04/2024	14:24	1	11	0	0	0	0
Breeding	VP1	14/04/2024	19:20	1	11	0	0	0	0
Breeding	VP6	08/05/2024	11:05	1	0	0	155	0	0
Breeding	VP1	09/05/2024	11:05	1	30	6	0	0	0
Breeding	VP7	09/05/2024	11:00	2	0	120	120	80	0
Breeding	VP7	09/05/2024	13:10	1	0	0	0	65	0
Breeding	VP9	16/05/2024	14:12	1	0	25	70	0	0
Breeding	VP2	26/05/2024	05:45	1	8	0	0	0	0
Breeding	VP8	04/06/2024	14:15	1	0	0	55	115	0
Breeding	VP10	05/06/2024	09:05	1	0	115	55	0	0
Breeding	VP10	05/06/2024	13:50	2	0	0	205	100	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP6	06/06/2024	09:30	1	0	330	210	0	0
Breeding	VP6	06/06/2024	13:15	1	0	0	290	0	0
Breeding	VP7	10/06/2024	09:55	1	0	0	65	0	0
Breeding	VP7	10/06/2024	13:40	1	0	0	95	0	0
Breeding	VP7	10/06/2024	14:50	1	0	0	135	0	0
Breeding	VP9	19/06/2024	13:26	1	0	20	320	0	0
Breeding	VP9	19/06/2024	14:09	1	0	0	575	0	0
Breeding	VP2	23/06/2024	13:10	1	9	0	0	0	0
Breeding	VP5	25/06/2024	11:49	1	14	150	10	0	0
Breeding	VP5	25/06/2024	16:38	1	0	13	10	0	0
Breeding	VP10	01/07/2024	13:20	1	0	55	0	0	0
Breeding	VP10	01/07/2024	14:35	1	0	110	65	0	0
Breeding	VP7	02/07/2024	14:50	1	0	0	330	0	0
Breeding	VP6	04/07/2024	08:15	1	0	310	110	0	0
Breeding	VP6	04/07/2024	09:50	1	0	220	335	0	0
Breeding	VP6	04/07/2024	11:35	2	0	115	230	0	0
Breeding	VP3	07/07/2024	16:30	1	15	20	200	30	0
Breeding	VP8	08/07/2024	11:20	1	55	0	0	0	0
Breeding	VP8	08/07/2024	11:50	1	0	120	0	0	0
Breeding	VP8	08/07/2024	13:35	1	0	155	0	0	0
Breeding	VP1	15/07/2024	10:39	1	196	2	0	0	0
Breeding	VP2	21/07/2024	12:53	1	0	35	5	0	0
Breeding	VP11	24/07/2024	16:20	2	0	175	35	0	0
Breeding	VP9	31/07/2024	11:18	2	0	50	275	0	0
Breeding	VP9	31/07/2024	12:03	2	0	0	310	0	0
Breeding	VP10	01/08/2024	13:05	2	0	60	210	0	0
Breeding	VP9	06/08/2024	17:57	1	35	0	0	0	0
Breeding	VP9	06/08/2024	19:06	1	30	312	0	0	0

Vantage Point (Flight)									
Breeding	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP11	08/08/2024	11:05	1	0	145	0	0	0
Breeding	VP8	12/08/2024	10:05	1	0	65	0	0	0
Breeding	VP8	12/08/2024	12:10	1	0	0	130	0	0
Breeding	VP8	12/08/2024	12:35	1	0	0	35	0	0
Breeding	VP8	12/08/2024	14:10	3	0	110	130	0	0
Breeding	VP9	02/09/2024	15:41	1	0	170	80	0	0
Breeding	VP10	04/09/2024	07:45	1	0	65	0	0	0
Breeding	VP10	04/09/2024	08:25	1	25	0	0	0	0
Breeding	VP10	04/09/2024	13:15	1	0	130	0	0	0
Breeding	VP7	05/09/2024	08:05	1	0	40	0	0	0
Breeding	VP7	05/09/2024	13:10	3	0	0	85	0	0
Breeding	VP7	05/09/2024	13:25	3	0	0	110	0	0
Breeding	VP8	09/09/2024	08:20	1	20	0	0	0	0
Breeding	VP8	09/09/2024	10:05	1	0	35	0	0	0
Breeding	VP8	09/09/2024	11:45	1	65	0	0	0	0
Breeding	VP8	09/09/2024	08:15	1	0	65	0	0	0
Breeding	VP8	09/09/2024	13:10	3	0	35	145	0	0
Breeding	VP3	15/09/2024	11:58	2	20	26	10	0	0
Breeding	VP3	15/09/2024	12:00	1	4	8	10	0	0
Breeding	VP1	18/09/2024	11:37	1	4	15	0	0	0
Breeding	VP1	18/09/2024	13:42	5	0	25	40	0	0
Breeding	VP2	22/09/2024	09:48	1	8	0	0	0	0

*Surveyor sample error – record not included in the collision risk model

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00921	Breeding	VP5	04/05/2022	07:18	1	wl2	In suitable breeding habitat	H	Possible
P00968	Breeding	VP3	27/07/2022	15:08	1	wd4	In suitable breeding habitat	H	Possible
P00970	Breeding	VP6	28/07/2022	13:06	1	GA1	In suitable breeding habitat	H	Possible
P00971	Breeding	VP6	28/07/2022	17:22	1	GA1	In suitable breeding habitat	H	Possible
P00975	Breeding	VP3	03/08/2022	15:06	1	ga1	Fledged young flying	N/A	N/A
P00998	Breeding	VP11	16/09/2022	13:05	1	WD4	Calling	N/A	N/A

	I-WeBS & Breeding Waders Survey						
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P00015	Breeding	N/A	19/05/2021	1	N/A	N/A	N/A
P01132	Breeding	WVP2	20/04/2022	4	Soaring over wooded area.	N/A	N/A
P01133	Breeding	WVP2	20/04/2022	2	Soaring over wooded area.	N/A	N/A
P01921	Non-breeding	Ref No 12	14/10/2022	1	Hunting around reeds.	N/A	N/A
P02102	Non-breeding	Lisnacusha	17/12/2022	2	Perched in tree calling. Eventually moved on	N/A	N/A
P02448	Non-breeding	Rhynmount Bog VP1	16/03/2023	3	Hunting	N/A	N/A
P06374	Non-breeding	Ref No: 10	10/10/2023	1	Perched	N/A	N/A
P06195	Non-breeding	Gortgallan Bog	08/11/2023	1	Hunting	N/A	N/A
P06204	Non-breeding	Ref No: 15	13/11/2023	1	Hunting	N/A	N/A

	I-WeBS & Breeding Waders Survey						
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06326	Non-breeding	Ref No. 4	27/11/2023	3	3 Buzzard circling over turlough	N/A	N/A

	CBS & Winter Transect Survey								
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00056	Breeding	T2	13/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00129	Breeding	T20	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00130	Breeding	T21	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00131	Breeding	T21	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00142	Breeding	T2	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00229	Breeding	T18	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P01006	Breeding	T14	08/04/2022	N/A	1	PB4	Soaring	F	Non-Breeding
P01159	Breeding	T5	13/04/2022	10:03	2	pb4	p	P	Probable
P01166	Breeding	T5	13/04/2022	10:18	1	pb4	f	F	Non-Breeding
P01032	Breeding	T16	19/04/2022	N/A	3	WN7	Flying low	F	Non-Breeding
P01033	Breeding	T16	19/04/2022	N/A	1	WN7	Soaring	F	Non-Breeding
P01036	Breeding	T12	20/04/2022	N/A	1	PB4	Hunting	N/A	N/A
P01053	Breeding	T7	21/04/2022	N/A	1	PB4	Hunting.	N/A	N/A
P01242	Breeding	T21	11/05/2022	N/A	1	PB4	Flying over	F	Non-Breeding
P01245	Breeding	T20	11/05/2022	N/A	1	PB4	Soaring.	F	Non-Breeding
P01270	Breeding	T9	13/05/2022	N/A	1	PB4	Hunting	N/A	N/A
P01278	Breeding	T3	19/05/2022	N/A	1	WD2	Hunting	N/A	N/A
P01292	Breeding	T6	19/05/2022	N/A	2	PB4	Flying over	F	Non-Breeding
P01348	Breeding	T1	09/06/2022	10:30	2	pb4	N/A	P	Probable
P01360	Breeding	T4	09/06/2022	N/A	2	pb4	Hunting	F	Non-Breeding
P01404	Breeding	T20	09/06/2022	N/A	1	PB4	Hunting.	N/A	N/A
P01366	Breeding	T2	10/06/2022	09:35	1	ga1	N/A	F	Non-Breeding
P01433	Breeding	T9	14/06/2022	N/A	1	PB4	Hunting.	N/A	N/A

	CBS & Winter Transect Survey								
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01455	Breeding	T8	20/06/2022	N/A	1	PB4	Hunting.	N/A	N/A
P01512	Breeding	T21	06/07/2022	N/A	1	PB4	Hunting	N/A	N/A
P01529	Breeding	T10	11/07/2022	N/A	2	PB4	Soaring	F	Non-Breeding
P01631	Breeding	T2	28/07/2022	10:16	1	wd4	N/A	F	Non-Breeding
P01690	Breeding	T3	23/08/2022	N/A	1	WL1	Soaring	N/A	N/A
P01741	Breeding	T14	05/09/2022	N/A	1	PB4	Hunting	N/A	N/A
P01736	Breeding	T1	27/09/2022	10:55	1	ga1	hunting	N/A	N/A
P02650	Non-breeding	T16	06/10/2022	12:40	1	PB4	Hunting	N/A	N/A
P02929	Non-breeding	T16	14/11/2022	09:55	1	PB4	Hunting.	N/A	N/A
P02981	Non-breeding	T14	02/12/2022	08:10	1	PB4	Flyover	N/A	N/A
P03049	Non-breeding	T20	08/12/2022	09:30	2	PB4	Flyover	N/A	N/A
P03121	Non-breeding	T21	12/12/2022	10:40	1	PB4	Hunting	N/A	N/A
P03180	Non-breeding	T16	19/12/2022	09:45	1	PB4	Hunting	N/A	N/A
P03309	Non-breeding	T16	13/01/2023	10:00	1	PB4	Hunting	N/A	N/A
P03384	Non-breeding	T21	20/01/2023	11:30	2	PB4	Hunting	N/A	N/A
P03527	Non-breeding	T17	09/02/2023	10:35	3	PB4	Hunting/ Display	N/A	N/A
P03543	Non-breeding	T13	10/02/2023	09:25	1	PB4	Hunting	N/A	N/A
P03566	Non-breeding	T20	13/02/2023	14:35	1	PB4	Hunting	N/A	N/A
P03610	Non-breeding	T21	14/02/2023	10:30	1	PB4	Hunting	N/A	N/A

	CBS & Winter Transect Survey								
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P03631	Non-breeding	T11	15/02/2023	09:30	2	PB4	Hunting	N/A	N/A
P03664	Non-breeding	T8	16/02/2023	08:55	1	GA1	Hunting	N/A	N/A
P03676	Non-breeding	T1	17/02/2023	N/A	1	GA1	Perching, Flying	N/A	N/A
P03708	Non-breeding	T4	05/03/2023	N/A	1	PB4	Soaring	N/A	N/A
P03825	Non-breeding	T16	07/03/2023	11:20	1	PB4	Hunting	N/A	N/A
P03923	Non-breeding	T20	20/03/2023	09:50	1	PB4	Hunting	N/A	N/A
P03941	Non-breeding	T8	20/03/2023	11:15	2	PB4	Hunting	N/A	N/A
P04215	Breeding	T6	06/04/2023	13:15	1	PB4	N/A	H	Possible
P04297	Breeding	T6	04/05/2023	10:00	1	PB4	N/A	N/A	N/A
P04398	Breeding	T11	25/05/2023	09:05	1	PB4	N/A	N/A	N/A
P04434	Breeding	T18	27/05/2023	09:20	1	PB4	N/A	H	Possible
P04544	Breeding	T2	21/06/2023	13:18	1	WD4	N/A	F	Non-Breeding
P04582	Breeding	T4	05/07/2023	13:00	1	PB4	N/A	N/A	N/A
P04593	Breeding	T6	07/07/2023	07:40	1	PB4	N/A	N/A	N/A
P04672	Breeding	T1	27/07/2023	12:18	1	GA1	N/A	F	Non-Breeding
P04699	Breeding	T4	02/08/2023	11:50	1	PB4	N/A	N/A	N/A
P04708	Breeding	T6	03/08/2023	08:40	1	PB4	N/A	N/A	N/A
P04741	Breeding	T11	08/08/2023	16:55	1	GS4	N/A	N/A	N/A
P04746	Breeding	T3	09/08/2023	19:38	1	GA1	N/A	N/A	N/A
P04770	Breeding	T18	16/08/2023	12:54	1	PB4	N/A	N/A	N/A
P04853	Breeding	T1	19/09/2023	13:31	1	ga1	N/A	N/A	N/A
P06161	Non-breeding	T20	06/11/2023	13:30	2	PB4	Hunting	N/A	N/A

	CBS & Winter Transect Survey								
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P06171	Non-breeding	T2	08/11/2023	12:00	1	GS4	Hunting	N/A	N/A
P06173	Non-breeding	T9	09/11/2023	12:15	1	PB4	Hunting	N/A	N/A
P06182	Non-breeding	T1	13/11/2023	16:55	1	PB4	Hunting	N/A	N/A
P06237	Non-breeding	T16	20/11/2023	14:52	2	PB4	Circling	N/A	N/A
P06486	Non-breeding	T2	11/12/2023	08:20	1	PB3	Hunting	N/A	N/A
P05938	Non-breeding	T11	10/01/2024	09:38	1	PB4	N/A	N/A	N/A
P05942	Non-breeding	T15	10/01/2024	13:45	1	PB4	N/A	N/A	N/A
P05984	Non-breeding	T1	14/02/2024	13:40	1	PB4	N/A	N/A	N/A
P05996	Non-breeding	T18	20/02/2024	14:53	1	PB4	N/A	N/A	N/A
P06008	Non-breeding	T10	29/02/2024	09:26	1	PB4	N/A	N/A	N/A
P06033	Non-breeding	T21	05/03/2024	10:30	1	PB4	N/A	N/A	N/A
P06036	Non-breeding	T20	05/03/2024	11:45	3	PB4	N/A	N/A	N/A
P06058	Non-breeding	T12	05/03/2024	12:08	1	PB4	N/A	N/A	N/A
P06095	Non-breeding	T18	13/03/2024	14:58	2	PB4	N/A	N/A	N/A
P04903	Breeding	T6	03/04/2024	16:00	1	PB4	N/A	N/A	N/A
P05003	Breeding	T13	09/04/2024	09:41	1	pb4	N/A	N/A	N/A
P05019	Breeding	T15	09/04/2024	16:13	2	pb4	N/A	P	Probable

	CBS & Winter Transect Survey								
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05044	Breeding	T14	11/04/2024	15:31	1	PB4	N/A	F	Non-Breeding
P04923	Breeding	T1	15/04/2024	09:35	1	PB4	N/A	N/A	N/A
P05130	Breeding	T14	09/05/2024	12:58	1	GA1	N/A	N/A	N/A
P05080	Breeding	T5	10/05/2024	10:05	2	PB4	N/A	S	Possible
P05233	Breeding	T2	04/06/2024	11:45	1	PB4	N/A	N/A	N/A
P05236	Breeding	T21	05/06/2024	10:50	1	PB4	N/A	N/A	N/A
P05244	Breeding	T20	05/06/2024	12:05	1	PB4	N/A	N/A	N/A
P05269	Breeding	T1	11/06/2024	08:50	1	PB4	N/A	N/A	N/A
P05271	Breeding	T1	11/06/2024	09:30	1	PB4	N/A	N/A	N/A
P05361	Breeding	T18	19/06/2024	11:30	1	WD2	N/A	N/A	N/A
P05424	Breeding	T20	01/07/2024	12:20	1	PB4	N/A	N/A	N/A
P05489	Breeding	T15	22/07/2024	12:53	1	WD2	N/A	FF	Confirmed
P05526	Breeding	T8	24/07/2024	12:08	1	WN7	N/A	N/A	N/A
P05569	Breeding	T20	01/08/2024	11:45	1	PB4	N/A	N/A	N/A
P05573	Breeding	T6	06/08/2024	11:30	1	PB4	N/A	N/A	N/A
P05584	Breeding	T1	09/08/2024	08:35	1	PB4	N/A	N/A	N/A
P05588	Breeding	T5	09/08/2024	10:25	1	PB4	N/A	N/A	N/A
P05813	Breeding	T9	04/09/2024	14:52	2	PB4	N/A	N/A	N/A
P05728	Breeding	T6	05/09/2024	11:35	1	PB4	N/A	N/A	N/A
P05730	Breeding	T3	05/09/2024	11:55	2	WD2	N/A	N/A	N/A

	Hinterland (Raptors) Survey & Hen Harrier Roost Watch					
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00312	Breeding	HHVP21	14/05/2021	1	N/A	N/A
P00368	Breeding	HHVP13	11/06/2021	1	N/A	N/A
P00376	Breeding	HHVP18	11/06/2021	1	N/A	N/A
P00383	Breeding	HHVP4	17/07/2021	6	N/A	N/A
P00489	Breeding	HHVP18	05/08/2021	1	N/A	N/A

	Hinterland (Raptors) Survey & Hen Harrier Roost Watch					
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00511	Breeding	HHVP6	14/08/2021	1	N/A	N/A
P00523	Breeding	HHVP8	14/08/2021	1	N/A	N/A
P00564	Breeding	HHVP4	09/09/2021	1	N/A	N/A
P00627	Breeding	HHVP4	30/09/2021	2	N/A	N/A
P00673	Breeding	HHVP20	30/09/2021	1	N/A	N/A
P00696	Non-breeding	HHVP8	26/10/2021	1	N/A	N/A
P00717	Non-breeding	HHVP17	28/10/2021	1	N/A	N/A
P00719	Non-breeding	HHVP19	29/10/2021	1	N/A	N/A
P00751	Non-breeding	HHVP12	24/11/2021	1	N/A	N/A
P00756	Non-breeding	HHVP16	24/11/2021	1	N/A	N/A
P00764	Non-breeding	HHVP21	24/11/2021	1	N/A	N/A
P01131	Breeding	RVP1	19/04/2022	1	N/A	N/A
P01168	Breeding	RVP2	19/04/2022	1	N/A	N/A
P01169	Breeding	RVP2	19/04/2022	1	H	Possible
P01170	Breeding	RVP3	19/04/2022	1	H	Possible
P01214	Breeding	RVP2	17/05/2022	1	N/A	N/A
P01215	Breeding	RVP3	19/05/2022	1	H	Possible
P01216	Breeding	RT1	19/05/2022	1	H	Possible
P01338	Breeding	RVP6	04/05/2022	1	F	Non-Breeding
P01339	Breeding	RVP6	04/05/2022	2	F	Non-Breeding
P01340	Breeding	RVP6	04/05/2022	1	F	Non-Breeding
P01342	Breeding	RVP7	13/05/2022	1	F	Non-Breeding
P01343	Breeding	RVP8	19/05/2022	1	F	Non-Breeding
P01344	Breeding	RVP8	19/05/2022	1	F	Non-Breeding
P01367	Breeding	RT1	28/06/2022	2	F	Non-Breeding
P01368	Breeding	RVP2	28/06/2022	1	F	Non-Breeding
P01373	Breeding	RVP4	30/06/2022	1	F	Non-Breeding
P01489	Breeding	RVP8	08/06/2022	2	F	Non-Breeding
P01490	Breeding	RVP6	10/06/2022	1	F	Non-Breeding
P01491	Breeding	RVP6	10/06/2022	1	F	Non-Breeding

	Hinterland (Raptors) Survey & Hen Harrier Roost Watch					
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P01492	Breeding	RVP7	14/06/2022	1	N/A	N/A
P01495	Breeding	RVP5	20/06/2022	1	F	Non-Breeding
P01609	Breeding	RVP5	06/07/2022	1	N/A	N/A
P01614	Breeding	Near T11	07/07/2022	1	N/A	N/A
P01615	Breeding	RVP7	06/07/2022	1	N/A	N/A
P01616	Breeding	RVP6	14/07/2022	1	F	Non-Breeding
P01617	Breeding	RVP6	14/07/2022	1	N/A	N/A
P01619	Breeding	RVP2	04/07/2022	1	N/A	N/A
P01621	Breeding	RVP3	07/07/2022	1	F	Non-Breeding
P01632	Breeding	RVP2	04/08/2022	1	N/A	N/A
P01633	Breeding	RVP2	04/08/2022	1	N/A	N/A
P01634	Breeding	RVP2	04/08/2022	1	N/A	N/A
P01721	Breeding	RVP8	10/08/2022	3	N/A	N/A
P01722	Breeding	RVP7	11/08/2022	1	N/A	N/A
P01724	Breeding	RVP6	23/08/2022	1	N/A	N/A
P01725	Breeding	RVP6	23/08/2022	1	N/A	N/A
P01726	Breeding	RVP5	23/08/2022	1	N/A	N/A
P01728	Breeding	RVP 3	07/09/2022	1	N/A	N/A
P01729	Breeding	RVP 3	07/09/2022	2	N/A	N/A
P01824	Breeding	RVP6	13/09/2022	1	N/A	N/A
P01825	Breeding	RVP7	14/09/2022	2	N/A	N/A
P01826	Breeding	RVP5	26/09/2022	1	N/A	N/A
P01827	Breeding	RVP5	26/09/2022	1	N/A	N/A
P01828	Breeding	RVP5	26/09/2022	1	N/A	N/A
P04244	Breeding	RVP 2	10/04/2023	1	F	Non-Breeding
P04245	Breeding	RVP 2	10/04/2023	1	F	Non-Breeding
P04378	Breeding	RVP 3	08/05/2023	2	H	Possible
P04384	Breeding	RVP 6	11/05/2023	1	H	Possible
P04543	Breeding	RVP 2	21/06/2023	1	H	Possible
P04573	Breeding	RVP 5	30/06/2023	1	H	Possible

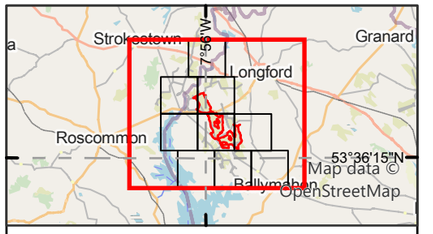
	Hinterland (Raptors) Survey & Hen Harrier Roost Watch					
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P04639	Breeding	RVP 1	13/07/2023	2	N/A	N/A
P04655	Breeding	RVP 4	19/07/2023	2	F	Non-Breeding
P04673	Breeding	RVP 2	28/07/2023	1	F	Non-Breeding
P04691	Breeding	RVP 6	31/07/2023	1	F	Non-Breeding
P04755	Breeding	RVP 1	10/08/2023	2	N/A	N/A
P04771	Breeding	RVP 2	17/08/2023	1	N/A	N/A
P04872	Breeding	RVP 6	28/09/2023	1	N/A	N/A
P04884	Breeding	RVP4	21/04/2024	4	H	Possible
P04885	Breeding	RVP4	21/04/2024	2	H	Possible
P04886	Breeding	RVP4	21/04/2024	1	N/A	N/A
P04887	Breeding	RVP1	21/04/2024	1	H	Possible
P04964	Breeding	2 Km buffer	16/04/2024	2	D	Probable
P05045	Breeding	RVP2	15/05/2024	1	N/A	N/A
P05136	Breeding	2KM Buffer	10/05/2024	1	N/A	N/A
P05222	Breeding	Near Killashee.	09/06/2024	1	S	Possible
P05225	Breeding	Ballyglas RvP4	28/06/2024	2	N/A	N/A
P05228	Breeding	Old railway track west of RVP3	30/06/2024	1	N/A	N/A
P05229	Breeding	Old railway track west of RVP3	30/06/2024	1	N/A	N/A
P05230	Breeding	Old railway track west of RVP3	30/06/2024	1	N/A	N/A
P05324	Breeding	RVP8	14/06/2024	1	N/A	N/A
P05325	Breeding	RVP6	14/06/2024	1	N/A	N/A
P05410	Breeding	SW on RVP3	14/07/2024	1	FL	Confirmed
P05413	Breeding	Ballydrum en route to RVP3	22/07/2024	1	N/A	N/A
P05528	Breeding	2km buffer	25/07/2024	1	N/A	N/A
P05529	Breeding	RVP6	25/07/2024	1	N/A	N/A
P05556	Breeding	West of RVP3	11/08/2024	1	N/A	N/A

	Hinterland (Raptors) Survey & Hen Harrier Roost Watch					
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P05557	Breeding	West of RVP3	11/08/2024	1	N/A	N/A
P05559	Breeding	SW of RVP4	24/08/2024	1	N/A	N/A
P05701	Breeding	2 km buffer	27/08/2024	1	N/A	N/A
P05703	Breeding	2 km buffer	27/08/2024	1	N/A	N/A
P05706	Breeding	North of RVP5	08/09/2024	1	N/A	N/A
P05708	Breeding	East of RVP4	09/09/2024	1	N/A	N/A
P05710	Breeding	South of RVP2	23/09/2024	1	N/A	N/A
P05712	Breeding	Corlea. North of RVP5	23/09/2024	1	N/A	N/A
P05830	Breeding	2km buffer	12/09/2024	1	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P03986	Non-breeding	07/12/2022	1	N/A	N/A
P04000	Non-breeding	12/12/2022	1	N/A	N/A
P04014	Non-breeding	10/01/2023	1	N/A	N/A
P04017	Non-breeding	11/01/2023	1	N/A	N/A
P06142	Breeding	06/07/2024	1	N/A	N/A
P06150	Breeding	11/08/2024	1	N/A	N/A

8°2'40"W
7°53'50"W
7°45'0"W
53°45'0"N
53°40'0"N
53°35'0"N
776000
768000
760000
593600
604000
614400

Strokestown Golf Club
Townparks (Longford By)
Enybegs
Cloonrollagh
Ballytoohey
Sheet 1
Termonbarry
Cloondara
Cloonbalt
Longford
Feraghfad
Stonepark (Ardagh By)
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Ballyleague
Knock
Keenagh
Fearagh
Knockcroghery
Galey
Lough Ree
Derrymacar Lough
Drinan
Ballymahon
N5
N63
N55
R371
R194
R397
R393
R392



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 2 4
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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Common Buzzard Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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7°53'50"W

53°45'0"N

604000

776000

Ballytoohey

Termonbarry

Cloondara

N5

N5

N6

L1162

P00368

P00751

P01921

P06204

P00756

P00673

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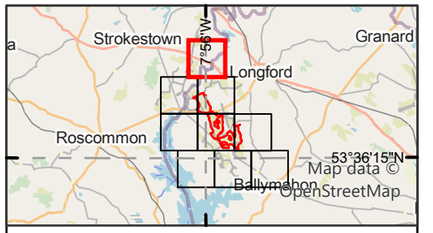

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Buzzard
Sheet 1 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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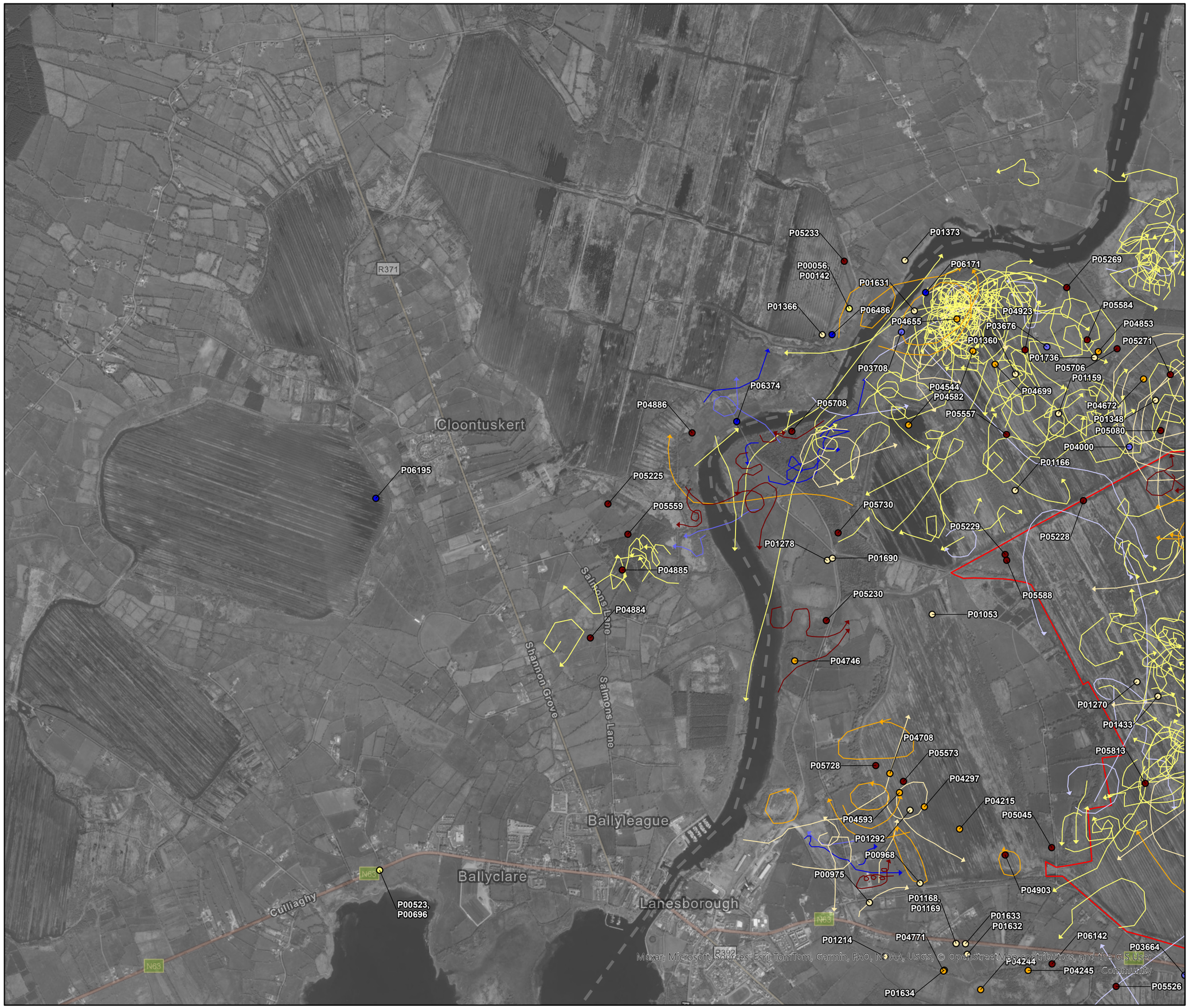
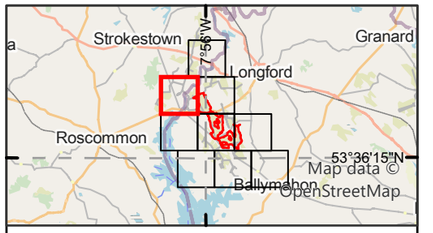
8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Buzzard
Sheet 2 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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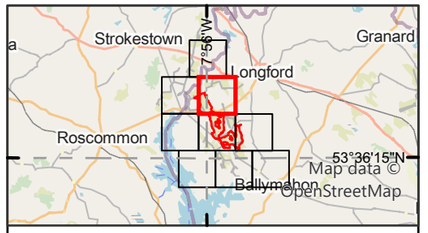
7°53'50"W



604000



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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0 0.5 1
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Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Buzzard
Sheet 3 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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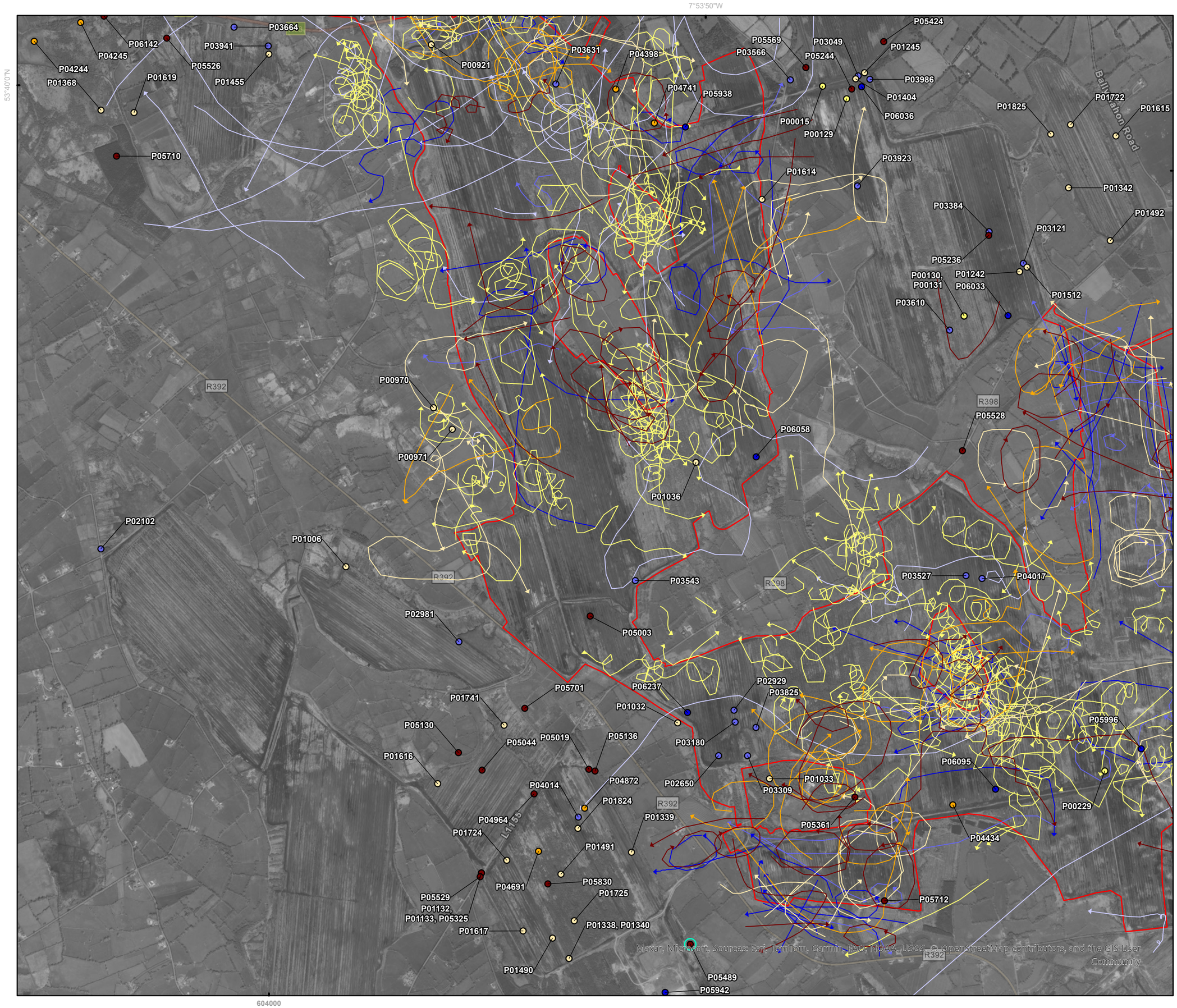

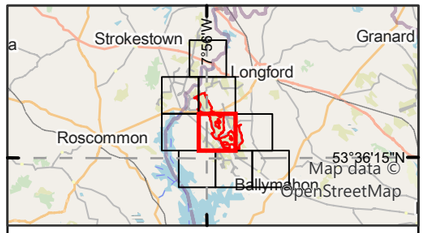

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Common Buzzard
Sheet 4 of 8

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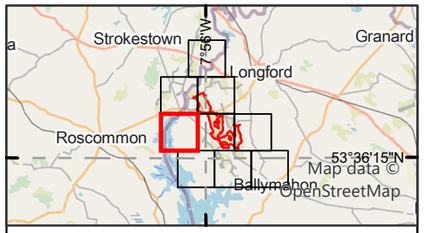
8°2'40"W

53°40'0"N

768000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22

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Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Buzzard
Sheet 5 of 8

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Prepared by:	Checked by:	Date:
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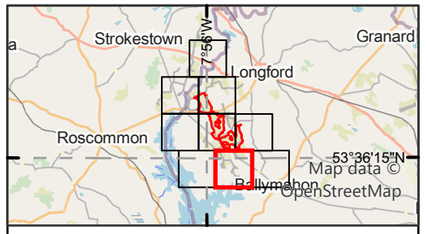

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21

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0 0.5 1
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Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Buzzard
Sheet 6 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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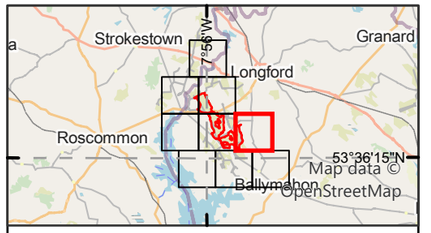

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Buzzard
Sheet 7 of 8

Scale @ A3: 1:22,000

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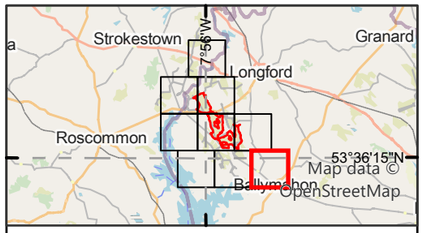

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

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Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Common Buzzard
Sheet 8 of 8

Scale @ A3: 1:22,000

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Appendix 8.3d COMMON GOLDENEYE

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01957	Non-breeding	Ref No 5	08/11/2022	7	Swimming on open water.	N/A	N/A
P02027	Non-breeding	Ref No 8	07/12/2022	6	Swimming on open water.	N/A	N/A
P02043	Non-breeding	Ref No 5	07/12/2022	6	Foraging/ Swimming on open water.	N/A	N/A
P02181	Non-breeding	Ref No 5	10/01/2023	2	Swimming on open water.	N/A	N/A
P02225	Non-breeding	Ref No 8	03/02/2023	2	Swimming on open water.	N/A	N/A
P02419	Non-breeding	Ref No 8	03/03/2023	8	Foraging on open water.	N/A	N/A
P02434	Non-breeding	Ref No 5	03/03/2023	4	Foraging on open water.	N/A	N/A
P04158	Breeding	Ref No 8	14/04/2023	5	Foraging	N/A	N/A
P04363	Breeding	Ref No: 8	03/05/2023	2	Pair swimming	N/A	N/A
P04811	Breeding	Ref No: 8	28/09/2023	1	Female foraging	N/A	N/A
P06506	Non-breeding	Ref No: 8	11/12/2023	3	Swimming	N/A	N/A
P06597	Non-breeding	Ref No: 8	05/01/2024	10	N/A	N/A	N/A
P06774	Non-breeding	Ref No: 8	07/03/2024	4	Foraging	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00643	Breeding	HHVP8	30/09/2021	2	N/A	N/A
P00694	Non-breeding	HHVP8	26/10/2021	18	N/A	N/A

8°2'40"W

7°53'50"W

53°40'0"N

53°35'0"N

604000

614400

776000

768000

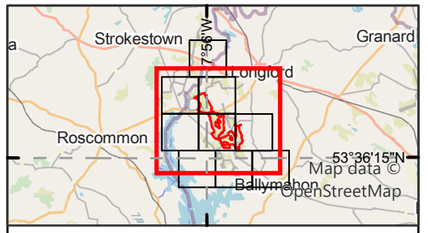
760000

P00643, P00694
P02027,
P02225, P02419

P04158, P04363,
P04811, P06506,
P06597, P06774

P01957, P02043,
P02181, P02434

Microsoft



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-23

0 1 2
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NOTES

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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Goldeneye
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Map Ref: 11399-004.ApX-SUM-GN-TOB-A

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Appendix 8.3e COMMON GREENSHANK

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06782	Non-breeding	Ref No: 8	07/03/2024	1	Roosting	N/A	N/A

8°2'40"W

7°53'50"W

53°40'0"N

53°35'0"N

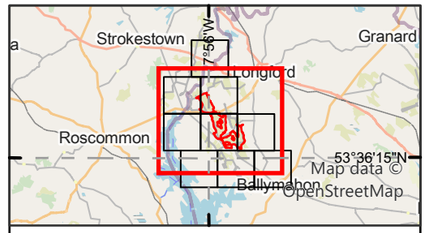
604000

614400

776000

768000

760000



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

Non-breeding-23/24

0 1 2

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A	16/04/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Common Greenshank
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Appendix 8.3f COMMON GULL

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP2	29/04/2021	16:26	1	0	0	20	0	0
Non-breeding	VP5	24/02/2023	12:15	1	3	0	0	0	0
Non-breeding	VP3	06/03/2023	08:05	1	5	0	0	0	0
Non-breeding	VP1	07/11/2023	09:17	1	8	0	0	0	0
Breeding	VP10	05/06/2024	08:20	1	0	65	0	0	0
Breeding	VP6	04/07/2024	13:35	2	0	30	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P06138	Breeding	VP10	07/05/2024	05:20	1	N/A	On nest.	ON	Confirmed
P06108	Breeding	VP10	05/06/2024	07:30	1	N/A	On nest.	ON	Confirmed
P06109	Breeding	VP10	05/06/2024	07:30	1	N/A	On nest.	ON	Confirmed
P06121	Breeding	VP10	01/07/2024	07:40	4	N/A	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01475	Breeding	Rhynmount Bog.	14/06/2022	4	2 pairs call/flight display.	D	Probable
P01594	Breeding	Rhynmount Bog.	11/07/2022	4	Flushed alrm calling, 2 pairs.	A	Probable
P02002	Non-breeding	Site 23	27/11/2022	5	As above	N/A	N/A
P02098	Non-breeding	Site 4, Turlough at LeTergullion	17/12/2022	1	Flying over turlough	N/A	N/A
P02462	Non-breeding	Rhynmount Bog VP2	16/03/2023	2	Swimming on wetland.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04206	Breeding	Rhymount VP2	14/04/2023	2	Roosting.	H	Possible
P04327	Breeding	Onsite	03/05/2023	2	Alarm call flight display	A	Probable
P04336	Breeding	Rhynmount VP2	03/05/2023	2	Pair calling	P	Probable
P04339	Breeding	Rhynmount VP3	03/05/2023	2	Pair mobbing HC	A	Probable
P04482	Breeding	Rhynmount VP2	02/06/2023	2	Roosting	H	Possible
P04600	Breeding	Onsite	07/07/2023	2	Alarm calling, mobbing HC	A	Probable
P04607	Breeding	Onsite	07/07/2023	4	Alarm calling.	A	Probable
P04613	Breeding	Rhynmount VP2	07/07/2023	4	Alarm calling.	A	Probable
P06802	Non-breeding	Ref No: 17	08/03/2024	12	Roosting	N/A	N/A
P04934	Breeding	Ref No:2	08/04/2024	4	2 pairs. Flight/ Alarm Call display, on suitable breeding ground	A	Probable
P04963	Breeding	2 km North of site	16/04/2024	3	3 Common Gulls circling over wetland.	N/A	N/A
P04977	Breeding	2 km North of site	18/04/2024	2	Pair of Common Gulls on lake in bog.	P	Probable
P05092	Breeding	Ref No:1	10/05/2024	4	Foraging	N/A	N/A
P05105	Breeding	Ref No:5	10/05/2024	2	Pair, 1 bird on nest.	ON	Confirmed
P05109	Breeding	Ref No:7	10/05/2024	2	Roosting.	N/A	N/A
P05112	Breeding	Ref No:9	13/05/2024	2	Roosting.	N/A	N/A
P05282	Breeding	Ref No:1	07/06/2024	4	Flight/ Alarm Call display, on suitable breeding ground	A	Probable
P05292	Breeding	Ref No:5	07/06/2024	4	Pair, 2 bird on nest.	ON	Confirmed
P05464	Breeding	Ref No:3	03/07/2024	3	Roosting.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05471	Breeding	Ref No:8	03/07/2024	4	Roosting.	N/A	N/A
P05473	Breeding	Ref No:9	05/07/2024	2	Roosting.	N/A	N/A
P05482	Breeding	Ref No:11	05/07/2024	2	Roosting.	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04261	Breeding	T7	25/04/2023	10:31	2	PB4	N/A	A	Probable
P04898	Breeding	T20	02/04/2024	17:20	4	PB4	N/A	A	Probable
P05011	Breeding	Transect 17	09/04/2024	14:13	4	pb4	N/A	P	Probable
P05041	Breeding	Transect 10	10/04/2024	16:18	7	pb4	N/A	A	Probable
P05206	Breeding	T10	16/05/2024	10:43	2	PB4	N/A	S	Possible
P05207	Breeding	T10	16/05/2024	10:50	4	PB4	N/A	N/A	N/A
P05237	Breeding	T21	05/06/2024	10:50	7	PB4	N/A	A	Probable
P05242	Breeding	T20	05/06/2024	11:40	5	PB4	N/A	A	Probable
P05247	Breeding	T20	05/06/2024	12:30	4	PB4	N/A	A	Probable
P05397	Breeding	T10	25/06/2024	12:10	1	PB4	N/A	A	Probable
P05415	Breeding	T21	01/07/2024	11:00	2	PB4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00262	Breeding	HHVP6	12/05/2021	2	N/A	N/A
P00281	Breeding	HHVP8	14/05/2021	2	N/A	N/A
P00296	Breeding	HHVP12	13/05/2021	2	N/A	N/A
P00421	Breeding	HHVP9	17/07/2021	9	N/A	N/A
P00437	Breeding	HHVP14	17/07/2021	1	N/A	N/A
P00532	Breeding	HHVP9	14/08/2021	2	N/A	N/A

8°2'40"W
7°53'50"W
7°45'0"W
53°45'0"N
53°40'0"N
53°35'0"N
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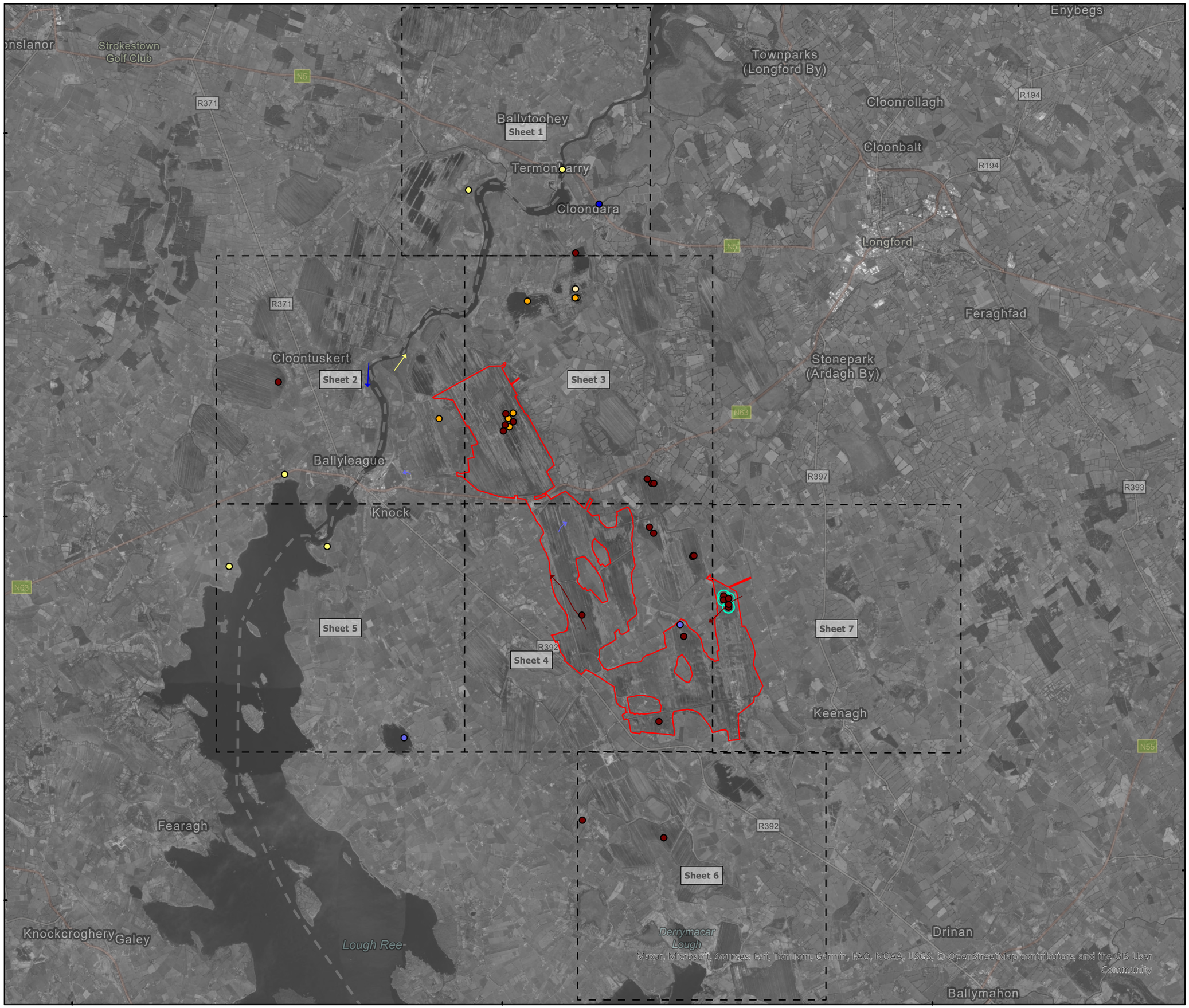

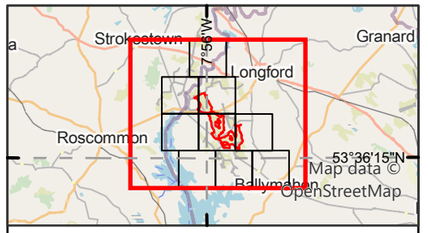

Legend

- Proposed wind farm site boundary
- **Confirmed** Breeding Status*

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-24

*should be read with data in Appendix 8.3

0 2 4
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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Gull
Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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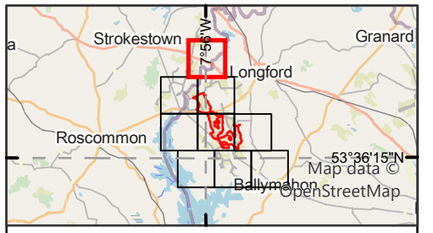

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-23/24
- Breeding-21
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Gull
Sheet 1 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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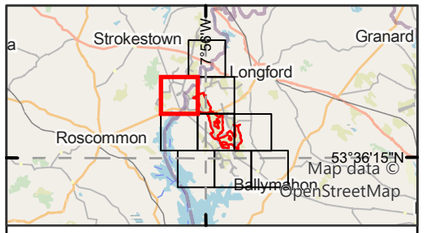
8°2'40"W





Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-21
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21

*should be read with data in Appendix 8.3

0 0.5 1
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Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Gull
Sheet 2 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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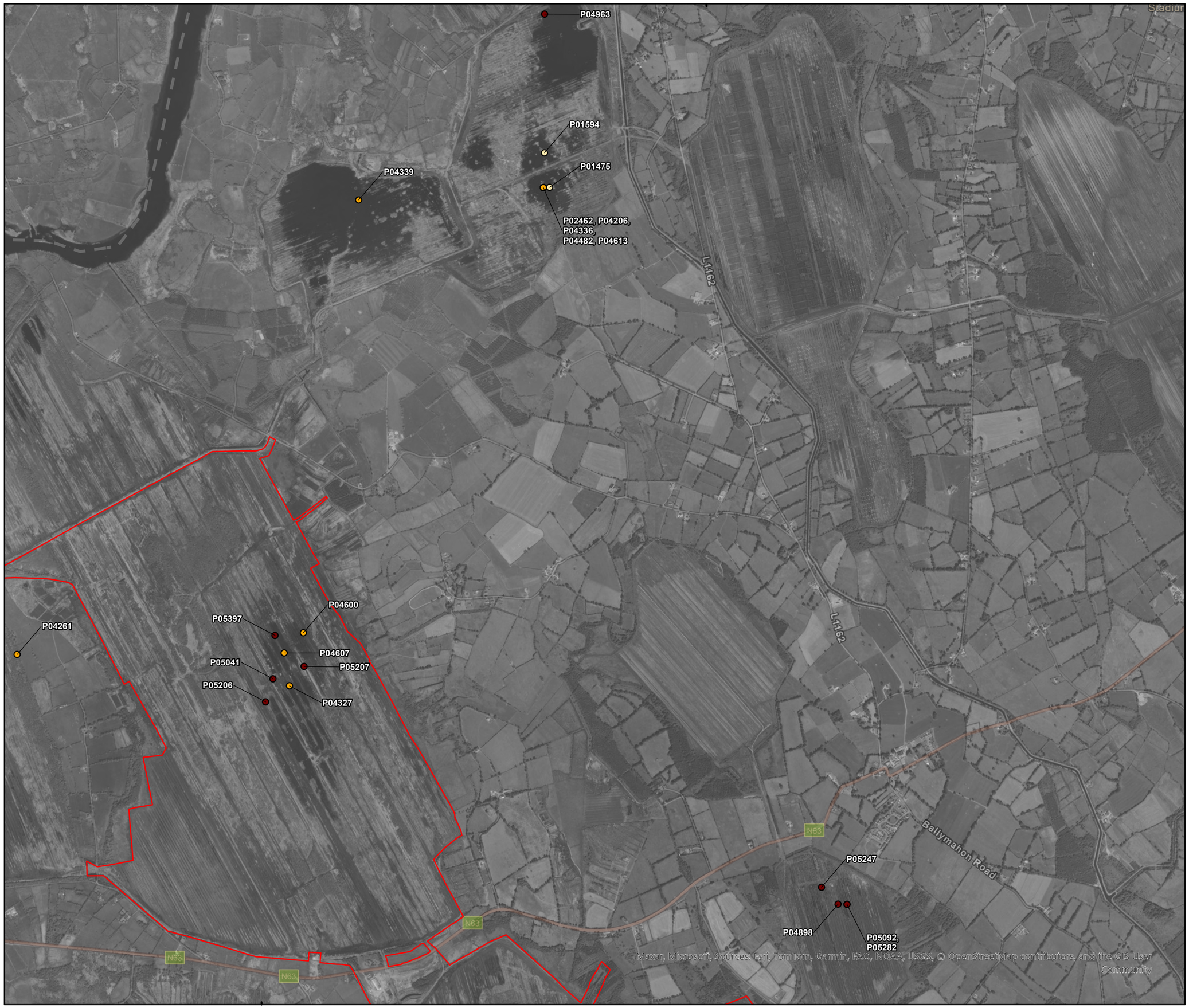
7°53'50"W



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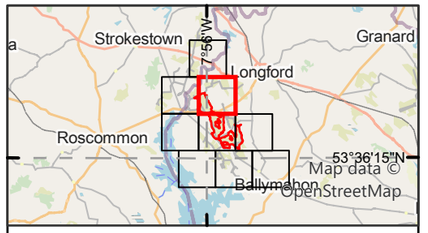

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
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A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Gull
Sheet 3 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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7°53'50"W

53°40'0"N

768000

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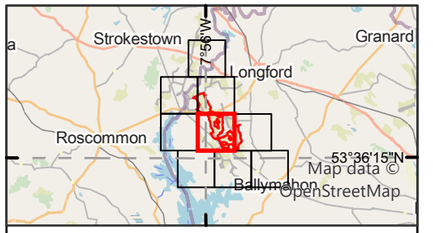

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-22/23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Common Gull
Sheet 4 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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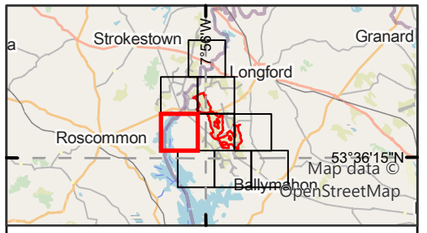

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-21

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Gull
Sheet 5 of 7

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7°53'50"W

53°35'0"N

R392

L5236

L5236

R392

R392

R392

P05482

P05112,
P05473

Estate Road

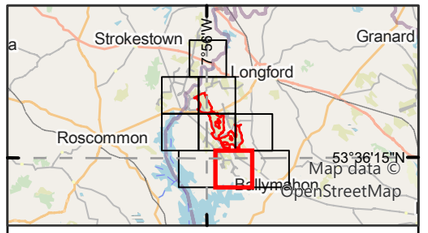
Fas Road

Fas Road

Fas Road

Derrymacar
Lough

760000



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

Breeding-24

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0 0.5 1
Kilometres

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1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING\
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3. ENGINEER TO BE INFORMED OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES\
4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Common Gull
Sheet 6 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Draft: A

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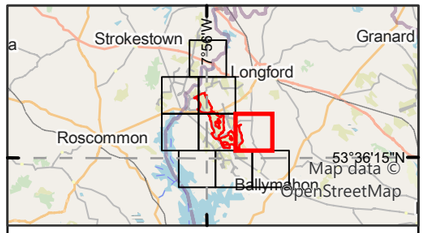

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING\
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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Gull
Sheet 7 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Appendix 8.3g COMMON KESTREL

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP3	04/05/2021	08:20	1	3	25	50	0	0
Breeding	VP3	04/05/2021	09:48	1	211	83	0	0	0
Breeding	VP4	05/05/2021	15:30	1	105	170	605	0	0
Breeding	VP5	05/05/2021	18:06	1	33	150	229	0	0
Breeding	VP6	07/05/2021	11:08	2	31	710	335	0	0
Breeding	VP6	07/05/2021	14:35	1	45	0	0	0	0
Breeding	VP7	07/05/2021	18:43	2	72	0	0	0	0
Breeding	VP7	07/05/2021	19:01	1	519	109	0	0	0
Breeding	VP9	22/05/2021	11:29	1	0	105	0	0	0
Breeding	VP10	27/05/2021	11:20	1	0	0	122	0	0
Breeding	VP10	27/05/2021	12:05	1	0	17	239	0	0
Breeding	VP11	28/05/2021	18:07	1	0	129	0	0	0
Breeding	VP3	02/06/2021	13:20	1	0	64	0	0	0
Breeding	VP5	16/06/2021	14:52	1	6	38	0	0	0
Breeding	VP5	16/06/2021	13:48	1	69	45	0	0	0
Breeding	VP5	16/06/2021	18:43	1	0	106	118	0	0
Breeding	VP5	16/06/2021	19:09	1	45	52	0	0	0
Breeding	VP6	17/06/2021	13:27	1	27	55	95	0	0
Breeding	VP6	17/06/2021	17:23	1	18	44	160	0	0
Breeding	VP7	18/06/2021	14:20	1	67	55	0	0	0
Breeding	VP7	18/06/2021	10:48	1	24	64	90	0	0
Breeding	VP7	18/06/2021	11:36	1	0	56	0	0	0
Breeding	VP8	23/06/2021	15:27	1	35	31	102	0	0
Breeding	VP9	23/06/2021	19:39	1	16	73	220	0	0
Breeding	VP9	24/06/2021	11:37	1	0	25	285	0	0
Breeding	VP10	24/06/2021	20:20	1	27	93	64	0	0
Breeding	VP11	25/06/2021	13:23	1	13	40	102	0	0
Breeding	VP11	25/06/2021	15:02	1	0	0	105	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP11	25/06/2021	17:09	1	0	77	0	0	0
Breeding	VP3	05/07/2021	16:45	1	0	47	0	0	0
Breeding	VP3	05/07/2021	18:52	1	9	41	0	0	0
Breeding	VP3	06/07/2021	08:52	1	10	18	16	0	0
Breeding	VP5	06/07/2021	17:15	1	17	20	210	0	0
Breeding	VP5	06/07/2021	18:44	1	0	0	84	0	0
Breeding	VP5	06/07/2021	18:55	1	0	27	82	0	0
Breeding	VP5	06/07/2021	18:58	1	7	14	123	0	0
Breeding	VP6	08/07/2021	13:50	1	0	37	0	0	0
Breeding	VP6	08/07/2021	15:20	1	209	233	946	0	375
Breeding	VP7	08/07/2021	20:30	1	0	0	90	0	0
Breeding	VP9	14/07/2021	09:53	1	0	16	190	0	0
Breeding	VP9	14/07/2021	10:44	1	0	13	59	0	0
Breeding	VP10	15/07/2021	17:15	2	0	22	180	0	0
Breeding	VP10	15/07/2021	13:59	1	46	84	193	0	0
Breeding	VP11	16/07/2021	10:09	1	20	31	253	0	0
Breeding	VP11	16/07/2021	13:02	1	0	28	179	0	0
Breeding	VP2	28/07/2021	11:26	1	30	45	0	0	0
Breeding	VP2	28/07/2021	14:16	2	6	20	222	0	0
Breeding	VP7	02/08/2021	10:41	1	28	0	0	0	0
Breeding	VP9	03/08/2021	09:55	1	27	0	0	0	0
Breeding	VP9	03/08/2021	11:14	1	59	0	0	0	0
Breeding	VP9	03/08/2021	11:54	3	102	105	90	0	0
Breeding	VP9	03/08/2021	12:09	1	92	77	105	0	206
Breeding	VP9	03/08/2021	14:02	1	27	25	193	0	0
Breeding	VP9	03/08/2021	14:35	1	0	72	202	0	0
Breeding	VP10	11/08/2021	10:06	1	32	194	203	0	0
Breeding	VP10	11/08/2021	11:59	1	0	12	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP10	11/08/2021	12:08	1	43	88	86	0	0
Breeding	VP11	11/08/2021	13:23	1	7	60	0	0	0
Breeding	VP11	11/08/2021	18:09	1	14	92	0	0	0
Breeding	VP7	12/08/2021	20:02	1	9	40	204	0	0
Breeding	VP3	16/08/2021	09:47	1	95	150	49	0	0
Breeding	VP3	16/08/2021	10:55	1	15	0	0	0	0
Breeding	VP3	16/08/2021	11:17	1	13	15	65	0	0
Breeding	VP3	16/08/2021	14:50	1	12	87	0	0	0
Breeding	VP2	17/08/2021	10:08	1	0	47	0	0	0
Breeding	VP2	17/08/2021	11:05	1	0	44	78	0	0
Breeding	VP2	17/08/2021	13:03	1	0	23	87	0	0
Breeding	VP9	18/08/2021	16:56	1	17	0	0	0	0
Breeding	VP6	19/08/2021	10:40	1	11	38	0	0	0
Breeding	VP6	19/08/2021	15:07	1	0	34	0	0	0
Breeding	VP11	20/08/2021	14:52	1	0	49	0	0	0
Breeding	VP3	02/09/2021	09:27	1	12	21	175	0	0
Breeding	VP3	02/09/2021	11:03	1	12	29	0	0	0
Breeding	VP3	02/09/2021	11:34	1	83	0	0	0	0
Breeding	VP3	02/09/2021	12:59	1	0	11	111	0	0
Breeding	VP3	02/09/2021	14:14	1	0	41	0	0	0
Breeding	VP5	02/09/2021	18:38	1	6	16	212	0	0
Breeding	VP5	03/09/2021	11:00	1	4	17	124	0	0
Breeding	VP5	03/09/2021	11:35	1	20	0	0	0	0
Breeding	VP7	03/09/2021	15:09	1	0	100	118	0	0
Breeding	VP7	03/09/2021	17:53	1	15	0	0	0	0
Breeding	VP6	09/09/2021	09:22	1	27	53	129	0	0
Breeding	VP2	12/09/2021	12:46	1	0	0	207	0	0
Breeding	VP2	12/09/2021	13:52	1	0	69	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP2	12/09/2021	16:02	1	0	0	126	0	0
Breeding	VP6	12/09/2021	09:48	1	48	57	205	0	0
Breeding	VP6	12/09/2021	10:59	1	0	0	96	0	0
Breeding	VP9	13/09/2021	09:19	1	18	27	180	0	0
Breeding	VP9	13/09/2021	13:44	1	0	0	117	0	0
Breeding	VP10	14/09/2021	10:22	1	0	51	102	0	0
Breeding	VP11	14/09/2021	18:14	1	12	68	0	0	0
Breeding	VP5	20/09/2021	17:15	1	73	102	30	0	0
Breeding	VP5	21/09/2021	17:49	1	8	18	183	0	0
Breeding	VP9	21/09/2021	09:13	1	26	27	310	0	0
Breeding	VP9	21/09/2021	10:33	1	7	15	122	0	0
Breeding	VP9	21/09/2021	13:06	1	0	29	283	0	0
Breeding	VP9	21/09/2021	14:26	1	0	19	92	0	0
Breeding	VP9	21/09/2021	15:00	1	0	64	0	0	0
Breeding	VP10	22/09/2021	09:32	1	57	412	73	0	0
Breeding	VP10	22/09/2021	10:14	1	16	90	0	0	0
Breeding	VP10	22/09/2021	11:20	1	61	14	0	0	0
Breeding	VP10	22/09/2021	13:09	1	26	180	16	0	0
Breeding	VP10	22/09/2021	15:00	1	17	0	0	0	0
Breeding	VP11	22/09/2021	18:05	1	26	74	0	0	0
Breeding	VP11	23/09/2021	17:11	1	111	173	80	0	0
Breeding	VP7	27/09/2021	13:42	1	94	102	111	0	0
Breeding	VP7	27/09/2021	16:14	1	89	76	60	0	0
Breeding	VP7	27/09/2021	16:55	1	49	53	0	0	0
Breeding	VP3	28/09/2021	16:50	1	18	99	0	0	0
Breeding	VP3	28/09/2021	18:00	1	30	48	0	0	0
Breeding	VP6	28/09/2021	10:17	1	102	63	57	0	0
Breeding	VP6	28/09/2021	11:04	1	16	151	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP6	28/09/2021	13:44	1	14	52	0	0	0
Breeding	VP6	28/09/2021	14:35	1	52	168	0	0	0
Breeding	VP3	29/09/2021	09:37	1	55	67	50	0	0
Breeding	VP3	29/09/2021	11:06	1	20	38	0	0	0
Non-breeding	VP5	01/10/2021	17:13	1	8	20	106	0	0
Non-breeding	VP6	03/10/2021	08:47	1	8	26	152	0	0
Non-breeding	VP6	03/10/2021	10:15	1	19	47	0	0	0
Non-breeding	VP6	03/10/2021	12:06	1	19	54	93	0	0
Non-breeding	VP6	03/10/2021	13:48	1	0	0	102	0	0
Non-breeding	VP7	03/10/2021	16:58	1	0	0	0	0	79
Non-breeding	VP10	20/10/2021	09:12	1	16	33	52	0	0
Non-breeding	VP11	20/10/2021	14:01	1	80	139	157	0	0
Non-breeding	VP11	20/10/2021	14:33	1	0	0	77	0	0
Non-breeding	VP9	25/10/2021	09:10	1	0	18	126	0	0
Non-breeding	VP10	25/10/2021	12:35	1	0	0	117	0	0
Non-breeding	VP10	25/10/2021	13:30	1	9	11	68	0	0
Non-breeding	VP3	26/10/2021	10:42	1	19	22	77	0	0
Non-breeding	VP3	26/10/2021	14:14	1	12	65	95	0	0
Non-breeding	VP9	29/10/2021	14:14	1	10	23	120	0	0
Non-breeding	VP10	18/11/2021	12:02	1	9	0	0	0	0
Non-breeding	VP3	22/11/2021	09:37	1	26	0	0	0	0
Non-breeding	VP8	24/11/2021	12:40	1	0	0	20	0	0
Non-breeding	VP8	24/11/2021	14:38	1	10	0	0	0	0
Non-breeding	VP11	25/11/2021	09:48	1	5	0	0	0	0
Non-breeding	VP11	25/11/2021	10:00	1	5	40	0	0	0
Non-breeding	VP6	02/12/2021	11:44	1	0	10	0	0	0
Non-breeding	VP7	15/12/2021	11:27	1	0	20	360	0	0
Non-breeding	VP10	17/01/2022	13:36	1	5	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP3	18/01/2022	14:44	1	0	30	0	0	0
Non-breeding	VP11	18/01/2022	11:30	1	5	5	20	0	0
Non-breeding	VP5	25/01/2022	10:33	1	20	0	0	0	0
Non-breeding	VP3	02/02/2022	09:57	1	0	30	0	0	0
Non-breeding	VP7	02/02/2022	10:25	1	24	0	0	0	0
Non-breeding	VP7	02/02/2022	11:11	1	5	18	0	0	0
Non-breeding	VP7	02/02/2022	14:27	1	8	64	0	0	0
Non-breeding	VP5	25/02/2022	12:06	1	0	0	50	0	0
Non-breeding	VP4	28/02/2022	14:00	1	10	90	0	0	0
Non-breeding	VP1	02/03/2022	11:42	1	10	10	30	0	0
Non-breeding	VP9	02/03/2022	11:48	1	64	0	0	0	0
Non-breeding	VP7	07/03/2022	10:57	1	337	0	0	0	0
Non-breeding	VP5	15/03/2022	10:40	1	0	0	40	0	0
Non-breeding	VP11	28/03/2022	13:03	1	50	20	0	0	0
Breeding	VP9	11/04/2022	10:10	1	10	25	0	0	0
Breeding	VP9	11/04/2022	13:35	1	305	0	0	0	0
Breeding	VP 2	13/04/2022	16:18	1	15	212	0	0	0
Breeding	VP11	15/04/2022	07:48	1	7	0	0	0	0
Breeding	VP11	15/04/2022	07:52	1	20	0	0	0	0
Breeding	VP11	15/04/2022	09:02	1	40	0	0	0	0
Breeding	VP11	15/04/2022	09:35	1	140	0	0	0	0
Breeding	VP11	15/04/2022	12:33	1	32	0	0	0	0
Breeding	VP 4	15/04/2022	11:08	1	165	30	0	0	0
Breeding	VP 4	15/04/2022	11:49	1	0	190	0	0	0
Breeding	VP 6	21/04/2022	09:18	1	10	215	0	0	0
Breeding	VP 7	22/04/2022	07:21	1	30	215	0	0	0
Breeding	VP 4	03/05/2022	16:29	1	50	270	130	0	0
Breeding	VP 4	03/05/2022	19:18	1	0	320	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP 4	03/05/2022	20:02	1	0	115	0	0	0
Breeding	VP 5	04/05/2022	08:42	1	276	40	0	0	0
Breeding	VP11	04/05/2022	16:21	1	315	0	0	0	0
Breeding	VP11	04/05/2022	17:54	1	25	0	0	0	0
Breeding	VP11	04/05/2022	19:11	1	45	0	0	0	0
Breeding	VP11	04/05/2022	19:37	1	65	65	0	0	0
Breeding	VP9	11/05/2022	16:52	1	265	0	0	0	0
Breeding	VP9	11/05/2022	17:32	1	175	20	0	0	0
Breeding	VP 6	16/05/2022	19:23	1	0	210	0	0	0
Breeding	VP 6	16/05/2022	20:38	1	30	240	0	0	0
Breeding	VP 1	18/05/2022	06:54	1	30	175	0	0	0
Breeding	VP 7	19/05/2022	17:08	1	30	270	0	0	0
Breeding	VP 7	19/05/2022	21:02	1	0	315	0	0	0
Breeding	VP 3	30/05/2022	14:36	1	0	140	0	0	0
Breeding	VP 3	30/05/2022	20:48	1	0	25	0	0	0
Breeding	VP 2	31/05/2022	06:40	1	15	210	0	0	0
Breeding	VP 2	31/05/2022	10:46	1	0	355	0	0	0
Breeding	VP11	07/06/2022	12:35	1	135	115	0	0	0
Breeding	VP11	07/06/2022	14:44	1	335	0	0	0	0
Breeding	VP 1	09/06/2022	19:46	1	30	215	0	0	0
Breeding	VP 4	27/06/2022	14:18	1	20	415	0	0	0
Breeding	VP 4	27/06/2022	18:56	1	0	218	0	0	0
Breeding	VP 7	30/06/2022	13:31	1	20	0	0	0	0
Breeding	VP9	05/07/2022	12:46	2	55	0	0	0	0
Breeding	VP9	05/07/2022	14:41	1	85	0	0	0	0
Breeding	VP 2	06/07/2022	14:28	1	165	40	0	0	0
Breeding	VP 2	06/07/2022	15:58	1	0	40	0	0	0
Breeding	VP10	07/07/2022	10:51	1	85	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP11	13/07/2022	10:21	3	95	0	0	0	0
Breeding	VP11	13/07/2022	10:30	2	115	0	0	0	0
Breeding	VP11	13/07/2022	10:36	1	85	0	0	0	0
Breeding	VP11	13/07/2022	10:42	1	135	0	0	0	0
Breeding	VP11	13/07/2022	11:22	1	365	0	0	0	0
Breeding	VP11	13/07/2022	11:31	1	217	0	0	0	0
Breeding	VP11	13/07/2022	12:05	2	245	0	0	0	0
Breeding	VP11	13/07/2022	12:11	1	185	0	0	0	0
Breeding	VP11	13/07/2022	12:22	1	164	0	0	0	0
Breeding	VP11	13/07/2022	13:05	1	615	0	0	0	0
Breeding	VP11	13/07/2022	14:59	1	325	0	0	0	0
Breeding	VP11	13/07/2022	15:24	1	174	0	0	0	0
Breeding	VP 5	27/07/2022	15:04	1	0	260	0	0	0
Breeding	VP 7	29/07/2022	11:21	1	20	110	20	0	0
Breeding	VP 7	29/07/2022	13:37	1	15	0	0	0	0
Breeding	VP 7	29/07/2022	13:41	1	25	70	0	0	0
Breeding	VP 7	29/07/2022	13:53	1	30	35	0	0	0
Breeding	VP 2	05/08/2022	12:48	1	0	115	0	0	0
Breeding	VP10	05/08/2022	13:05	1	165	0	0	0	0
Breeding	VP10	05/08/2022	13:20	1	310	0	0	0	0
Breeding	VP11	09/08/2022	11:25	1	35	0	0	0	0
Breeding	VP 4	16/08/2022	12:36	1	0	215	0	0	0
Breeding	VP 2	08/09/2022	10:24	1	0	270	35	0	0
Breeding	VP 4	26/09/2022	12:55	1	35	70	0	0	0
Breeding	VP 6	28/09/2022	09:56	1	35	160	0	0	0
Breeding	VP 5	29/09/2022	10:16	1	20	140	35	0	0
Breeding	VP 7	30/09/2022	18:47	1	0	95	0	0	0
Non-breeding	VP7	05/10/2022	10:15	1	85	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP7	05/10/2022	16:35	1	65	105	0	0	0
Non-breeding	VP9	06/10/2022	10:05	1	135	0	0	0	0
Non-breeding	VP9	06/10/2022	15:17	1	60	130	0	0	0
Non-breeding	VP9	06/10/2022	17:05	1	320	160	0	0	0
Non-breeding	VP11	13/10/2022	13:05	1	45	0	0	0	0
Non-breeding	VP11	13/10/2022	13:35	1	290	0	0	0	0
Non-breeding	VP5	17/10/2022	10:45	1	20	0	0	0	0
Non-breeding	VP2	25/10/2022	15:36	1	4	0	0	0	0
Non-breeding	VP8	03/11/2022	11:15	1	0	0	185	0	0
Non-breeding	VP10	04/11/2022	10:40	1	0	0	85	0	0
Non-breeding	VP7	07/11/2022	10:45	1	210	0	0	0	0
Non-breeding	VP7	07/11/2022	11:45	1	30	190	0	0	0
Non-breeding	VP7	07/11/2022	11:30	1	60	300	0	0	0
Non-breeding	VP7	07/11/2022	13:10	1	210	360	0	0	0
Non-breeding	VP9	15/11/2022	11:35	1	0	30	0	0	0
Non-breeding	VP9	15/11/2022	12:45	1	0	75	0	0	0
Non-breeding	VP9	02/12/2022	13:15	1	50	0	0	0	0
Non-breeding	VP9	02/12/2022	14:05	1	60	120	240	70	0
Non-breeding	VP9	02/12/2022	14:20	2	55	0	0	0	0
Non-breeding	VP11	06/12/2022	11:15	1	110	450	220	0	0
Non-breeding	VP11	06/12/2022	13:45	1	60	30	0	0	0
Non-breeding	VP7	19/12/2022	11:55	1	320	0	0	0	0
Non-breeding	VP7	19/12/2022	13:05	1	195	0	0	0	0
Non-breeding	VP7	19/12/2022	12:15	1	210	0	0	0	0
Non-breeding	VP7	19/12/2022	14:32	1	75	0	0	0	0
Non-breeding	VP8	11/01/2023	10:25	1	0	65	0	0	0
Non-breeding	VP8	11/01/2023	11:00	1	30	95	0	0	0
Non-breeding	VP8	11/01/2023	12:35	1	0	25	65	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP8	11/01/2023	13:55	1	0	75	0	0	0
Non-breeding	VP4	16/01/2023	14:30	1	0	13	0	0	0
Non-breeding	VP7	19/01/2023	11:55	1	65	0	0	0	0
Non-breeding	VP7	19/01/2023	15:55	1	215	0	0	0	0
Non-breeding	VP11	20/01/2023	14:45	1	65	215	0	0	0
Non-breeding	VP9	09/02/2023	13:55	1	0	80	310	0	0
Non-breeding	VP9	09/02/2023	14:05	1	0	65	0	0	0
Non-breeding	VP7	14/02/2023	12:55	1	0	110	0	0	0
Non-breeding	VP6	27/02/2023	12:20	1	7	0	0	0	0
Breeding	VP4	06/04/2023	19:08	1	25	0	0	0	0
Breeding	VP2	06/04/2023	15:03	1	0	135	0	0	0
Breeding	VP9	07/04/2023	14:29	1	95	0	0	0	0
Breeding	VP9	07/04/2023	15:50	1	310	230	0	0	0
Breeding	VP2	07/04/2023	07:28	1	0	140	0	0	0
Breeding	VP2	07/04/2023	08:12	1	20	218	0	0	0
Breeding	VP11	14/04/2023	14:50	1	25	0	0	0	0
Breeding	VP6	14/04/2023	08:44	1	10	0	0	0	0
Breeding	VP7	24/04/2023	16:20	1	10	0	0	0	0
Breeding	VP7	24/04/2023	16:21	1	25	0	0	0	0
Breeding	VP7	24/04/2023	16:28	1	0	265	0	0	0
Breeding	VP7	24/04/2023	18:38	1	10	0	0	0	0
Breeding	VP7	24/04/2023	18:40	1	6	0	0	0	0
Breeding	VP7	24/04/2023	18:45	2	10	0	0	0	0
Breeding	VP2	09/05/2023	16:26	1	15	90	75	0	0
Breeding	VP6	10/05/2023	15:11	1	0	15	0	0	0
Breeding	VP6	10/05/2023	15:20	1	0	120	0	0	0
Breeding	VP6	10/05/2023	17:18	1	0	20	0	0	0
Breeding	VP8	23/05/2023	06:57	1	0	95	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP7	25/05/2023	12:11	1	10	0	0	0	0
Breeding	VP7	25/05/2023	12:15	1	15	75	0	0	0
Breeding	VP7	25/05/2023	18:02	1	10	5	0	0	0
Breeding	VP11	27/05/2023	06:18	1	0	312	0	0	0
Breeding	VP9	30/05/2023	06:20	1	0	195	0	0	0
Breeding	VP10	31/05/2023	06:11	1	0	215	0	0	0
Breeding	VP7	05/06/2023	14:28	1	10	0	0	0	0
Breeding	VP7	05/06/2023	14:29	1	15	175	25	0	0
Breeding	VP7	05/06/2023	19:06	1	12	0	0	0	0
Breeding	VP7	05/06/2023	19:07	1	10	85	0	0	0
Breeding	VP6	08/06/2023	14:48	1	10	0	0	0	0
Breeding	VP6	08/06/2023	18:56	1	10	0	0	0	0
Breeding	VP6	08/06/2023	18:57	1	10	270	0	0	0
Breeding	VP6	08/06/2023	14:49	1	15	95	0	0	0
Breeding	VP3	21/06/2023	13:42	1	0	315	105	0	0
Breeding	VP3	21/06/2023	18:26	1	0	105	115	0	0
Breeding	VP1	22/06/2023	13:26	1	20	285	0	0	0
Breeding	VP5	26/06/2023	14:10	1	10	218	0	0	0
Breeding	VP11	27/06/2023	17:41	1	15	95	20	0	0
Breeding	VP11	27/06/2023	18:06	1	0	275	0	0	0
Breeding	VP9	29/06/2023	15:02	1	0	165	0	0	0
Breeding	VP4	06/07/2023	11:30	1	0	125	0	0	0
Breeding	VP7	12/07/2023	12:18	1	10	0	0	0	0
Breeding	VP7	12/07/2023	12:19	1	10	10	0	0	0
Breeding	VP7	12/07/2023	12:22	1	0	175	0	0	0
Breeding	VP7	12/07/2023	13:21	1	0	216	0	0	0
Breeding	VP7	12/07/2023	13:45	2	0	20	0	0	0
Breeding	VP7	12/07/2023	14:02	1	10	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP7	12/07/2023	14:02	1	10	25	0	0	0
Breeding	VP7	12/07/2023	19:01	1	10	45	0	0	0
Breeding	VP7	12/07/2023	19:26	1	10	240	0	0	0
Breeding	VP6	13/07/2023	11:53	1	10	312	0	0	0
Breeding	VP5	20/07/2023	08:06	1	40	245	0	0	0
Breeding	VP2	21/07/2023	12:48	1	10	280	30	0	0
Breeding	VP10	25/07/2023	11:51	1	35	230	0	0	0
Breeding	VP11	26/07/2023	09:27	1	25	415	0	0	0
Breeding	VP9	27/07/2023	09:02	1	20	285	0	0	0
Breeding	VP4	01/08/2023	14:20	1	0	0	210	0	0
Breeding	VP3	02/08/2023	14:15	1	0	210	0	0	0
Breeding	VP7	08/08/2023	15:37	1	45	170	0	0	0
Breeding	VP7	08/08/2023	19:28	1	70	45	0	0	0
Breeding	VP1	09/08/2023	11:56	1	290	0	0	0	0
Breeding	VP5	11/08/2023	10:32	1	45	310	0	0	0
Breeding	VP2	14/08/2023	12:46	1	30	380	0	0	0
Breeding	VP6	15/08/2023	12:06	1	40	125	0	0	0
Breeding	VP6	15/08/2023	12:21	1	0	115	0	0	0
Breeding	VP8	16/08/2023	09:23	1	35	320	0	0	0
Breeding	VP8	16/08/2023	09:48	2	0	210	0	0	0
Breeding	VP11	21/08/2023	13:18	1	30	145	0	0	0
Breeding	VP11	21/08/2023	13:50	1	25	280	0	0	0
Breeding	VP11	21/08/2023	16:09	1	0	95	0	0	0
Breeding	VP10	22/08/2023	12:36	1	0	215	0	0	0
Breeding	VP10	22/08/2023	13:48	1	20	70	0	0	0
Breeding	VP5	21/09/2023	14:16	1	13	0	0	0	0
Breeding	VP3	25/09/2023	10:35	1	0	0	155	0	0
Breeding	VP3	25/09/2023	13:40	1	0	50	95	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP2	26/09/2023	09:22	1	35	275	0	0	0
Breeding	VP2	26/09/2023	18:48	1	15	70	0	0	0
Breeding	VP1	28/09/2023	13:55	1	0	265	0	0	0
Breeding	VP4	29/09/2023	10:35	1	0	55	210	0	0
Breeding	VP4	29/09/2023	14:45	1	0	310	0	0	0
Breeding	VP7	29/09/2023	13:30	2	10	95	0	0	0
Non-breeding	VP8	02/10/2023	17:22	1	25	195	0	0	0
Non-breeding	VP7	04/10/2023	14:10	1	0	70	0	0	0
Non-breeding	VP3	05/10/2023	12:01	1	3	0	0	0	0
Non-breeding	VP11	07/10/2023	08:26	1	25	310	0	0	0
Non-breeding	VP11	07/10/2023	12:17	1	0	170	0	0	0
Non-breeding	VP4	08/10/2023	13:35	1	35	75	0	0	0
Non-breeding	VP6	09/10/2023	13:35	1	75	110	0	0	0
Non-breeding	VP9	12/10/2023	13:16	1	0	125	0	0	0
Non-breeding	VP2	15/10/2023	14:00	1	35	7	0	0	0
Non-breeding	VP6	03/11/2023	11:55	1	65	175	0	0	0
Non-breeding	VP6	03/11/2023	12:35	1	315	0	0	0	0
Non-breeding	VP7	06/11/2023	11:15	1	35	0	0	0	0
Non-breeding	VP7	06/11/2023	11:45	1	85	70	0	0	0
Non-breeding	VP7	06/11/2023	11:55	2	0	35	55	0	0
Non-breeding	VP7	06/11/2023	12:30	2	0	70	110	0	0
Non-breeding	VP7	06/11/2023	14:45	1	0	100	200	0	0
Non-breeding	VP7	06/11/2023	15:05	1	0	120	260	0	0
Non-breeding	VP7	06/11/2023	16:25	1	40	20	0	0	0
Non-breeding	VP8	09/11/2023	11:05	1	0	75	0	0	0
Non-breeding	VP8	09/11/2023	11:30	1	0	180	0	0	0
Non-breeding	VP9	22/11/2023	10:16	1	115	40	0	0	0
Non-breeding	VP11	24/11/2023	09:26	1	0	0	205	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP11	24/11/2023	09:54	1	0	0	110	0	0
Non-breeding	VP10	04/12/2023	14:25	1	15	75	0	0	0
Non-breeding	VP3	05/12/2023	10:21	1	6	0	0	0	0
Non-breeding	VP6	05/12/2023	08:10	1	55	0	0	0	0
Non-breeding	VP11	07/12/2023	09:37	1	15	225	0	0	0
Non-breeding	VP11	07/12/2023	14:44	1	0	515	0	0	0
Non-breeding	VP11	07/12/2023	15:09	1	25	130	0	0	0
Non-breeding	VP1	11/12/2023	11:04	1	7	0	0	0	0
Non-breeding	VP1	11/12/2023	15:31	1	0	0	0	0	0
Non-breeding	VP2	15/12/2023	11:50	1	0	0	0	0	0
Non-breeding	VP10	03/01/2024	14:40	1	0	230	110	0	0
Non-breeding	VP11	09/01/2024	15:18	1	20	125	0	0	0
Non-breeding	VP9	11/01/2024	15:26	1	20	145	0	0	0
Non-breeding	VP7	02/02/2024	13:50	1	85	205	0	0	0
Non-breeding	VP8	13/02/2024	14:35	1	65	215	0	0	0
Non-breeding	VP4	17/02/2024	12:02	1	12	3	0	0	0
Non-breeding	VP11	22/02/2024	09:26	1	0	115	0	0	0
Non-breeding	VP11	22/02/2024	11:18	1	30	345	0	0	0
Non-breeding	VP10	05/03/2024	14:55	1	0	0	85	0	0
Non-breeding	VP7	06/03/2024	14:50	1	0	0	205	0	0
Non-breeding	VP9	07/03/2024	15:27	1	20	195	0	0	0
Non-breeding	VP8	11/03/2024	11:25	1	0	85	0	0	0
Non-breeding	VP11	19/03/2024	11:46	1	40	175	0	0	0
Breeding	VP6	09/04/2024	15:15	1	75	0	0	0	0
Breeding	VP6	09/04/2024	15:35	1	50	0	0	0	0
Breeding	VP6	09/04/2024	20:35	1	35	0	0	0	0
Breeding	VP11	09/04/2024	20:16	1	0	230	0	0	0
Breeding	VP2	11/04/2024	16:08	2	350	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP9	11/04/2024	13:46	1	35	270	0	0	0
Breeding	VP5	30/04/2024	09:19	1	8	4	0	0	0
Breeding	VP6	08/05/2024	08:40	1	30	0	0	0	0
Breeding	VP11	08/05/2024	19:11	1	45	322	0	0	0
Breeding	VP7	09/05/2024	07:05	1	0	35	0	0	0
Breeding	VP9	15/05/2024	06:48	1	50	275	0	0	0
Breeding	VP9	16/05/2024	13:02	1	20	195	0	0	0
Breeding	VP5	28/05/2024	15:01	1	240	45	0	0	0
Breeding	VP6	06/06/2024	08:05	1	20	0	0	0	0
Breeding	VP6	06/06/2024	12:05	1	310	110	0	0	0
Breeding	VP7	10/06/2024	08:40	1	0	115	0	0	0
Breeding	VP9	19/06/2024	12:41	1	170	35	0	0	0
Breeding	VP11	20/06/2024	17:56	1	25	270	0	0	0
Breeding	VP7	02/07/2024	09:20	1	0	35	0	0	0
Breeding	VP7	02/07/2024	14:35	1	0	30	0	0	0
Breeding	VP7	02/07/2024	14:55	1	0	210	35	0	0
Breeding	VP7	02/07/2024	15:15	1	15	0	0	0	0
Breeding	VP6	04/07/2024	11:50	1	65	0	0	0	0
Breeding	VP6	04/07/2024	12:05	2	0	65	0	0	0
Breeding	VP11	23/07/2024	19:56	1	20	165	0	0	0
Breeding	VP5	29/07/2024	11:17	1	28	0	0	0	0
Breeding	VP9	06/08/2024	16:51	1	30	155	0	0	0
Breeding	VP6	07/08/2024	08:35	1	0	320	0	0	0
Breeding	VP6	07/08/2024	12:10	1	0	210	0	0	0
Breeding	VP6	07/08/2024	12:55	1	0	85	0	0	0
Breeding	VP9	07/08/2024	10:51	1	70	305	0	0	0
Breeding	VP11	08/08/2024	11:18	1	0	320	0	0	0
Breeding	VP4	19/08/2024	15:37	1	15	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP5	23/08/2024	09:26	1	17	8	0	0	0
Breeding	VP9	03/09/2024	17:28	1	50	240	0	0	0
Breeding	VP9	03/09/2024	18:44	1	40	618	30	0	0
Breeding	VP10	04/09/2024	14:20	1	35	125	0	0	0
Breeding	VP7	05/09/2024	13:45	1	0	210	0	0	0
Breeding	VP11	05/09/2024	16:37	1	25	215	0	0	0
Breeding	VP8	09/09/2024	12:10	1	60	120	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00910	Breeding	VP11	15/04/2022	07:42	2	WL1	Perched.	H	Possible
P00911	Breeding	VP11	15/04/2022	10:15	1	WL1	Visiting probable nest site.	P	Probable
P00912	Breeding	VP11	15/04/2022	11:30	1	WL1	Perched.	H	Possible
P00965	Breeding	VP11	13/07/2022	10:38	1	PB3	Perched.	N/A	N/A
P00973	Breeding	VP7	29/07/2022	13:37	1	GA1	In suitable breeding habitat	H	Possible
P01874	Non-breeding	VP7	14/02/2023	11:25	2	PB4	Perched.	N/A	N/A
P04089	Breeding	VP11	14/04/2023	16:10	1	N/A	Perched.	N/A	N/A
P04096	Breeding	VP6	14/04/2023	08:45	2	N/A	Mating	ON	Confirmed
P04097	Breeding	VP7	24/04/2023	16:20	1	N/A	perched	N/A	N/A
P04098	Breeding	VP7	24/04/2023	16:32	1	N/A	perched	N/A	N/A
P04107	Breeding	VP6	10/05/2023	N/A	2	N/A	Perched/Mating	D	Probable
P04118	Breeding	VP7	05/06/2023	N/A	1	N/A	N/A	N/A	N/A
P04130	Breeding	VP7	12/07/2023	N/A	4	N/A	Perched in tree	H	Possible

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04140	Breeding	VP7	08/08/2023	15:45	1	N/A	Perched	N/A	N/A
P04141	Breeding	VP7	08/08/2023	19:31	1	N/A	Perched	N/A	N/A
P06105	Breeding	VP9	11/04/2024	13:50	1	N/A	On bog	N/A	N/A
P06131	Breeding	VP9	06/08/2024	16:54	1	N/A	Eating Prey	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01922	Non-breeding	Ref No 12	14/10/2022	1	Hunting around reeds.	N/A	N/A
P02041	Non-breeding	Ref No 10	07/12/2022	1	Hunting.	N/A	N/A
P02184	Non-breeding	Ref No 5	10/01/2023	1	Hunting	N/A	N/A
P02250	Non-breeding	Derrycashel Bog	10/02/2023	1	Hunting on Bog.	N/A	N/A
P04610	Breeding	Onsite	07/07/2023	1	Hunting.	N/A	N/A
P04820	Breeding	Gortgallan Bog	28/09/2023	1	Hunting.	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01046	Breeding	T6	21/04/2022	N/A	1	PB4	Hunting.	N/A	N/A
P01064	Breeding	T9	22/04/2022	N/A	1	PB4	Hunting.	N/A	N/A
P01233	Breeding	T13	10/05/2022	N/A	1	PB4	Hunting	N/A	N/A
P01259	Breeding	T10	13/05/2022	N/A	1	PB4	Hunting	N/A	N/A
P01272	Breeding	T9	13/05/2022	N/A	1	PB4	Hunting	N/A	N/A
P01277	Breeding	T9	13/05/2022	N/A	1	PB4	Hunting	N/A	N/A
P01196	Breeding	T2	17/05/2022	N/A	1	GS4	HUNTING	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01553	Breeding	T18	13/07/2022	N/A	2	PB4	Hunting	F	Non-Breeding
P01677	Breeding	T10	10/08/2022	N/A	2	PB4	Perched	N/A	N/A
P01754	Breeding	T11	12/09/2022	N/A	1	PB4	Hunting	N/A	N/A
P01781	Breeding	T18	14/09/2022	N/A	1	PB4	Hunting	N/A	N/A
P01734	Breeding	Transect 5	27/09/2022	N/A	1	pb4	hunting	N/A	N/A
P02631	Non-breeding	T13	06/10/2022	10:45	1	PB4	Hunting	N/A	N/A
P02664	Non-breeding	T18	06/10/2022	13:45	1	PB4	Hunting	N/A	N/A
P02851	Non-breeding	T20	07/11/2022	08:25	1	PB4	Hunting.	N/A	N/A
P02947	Non-breeding	T18	15/11/2022	08:10	1	PB4	Perched.	N/A	N/A
P02997	Non-breeding	T15	02/12/2022	09:45	1	PB4	Hunting	N/A	N/A
P03369	Non-breeding	T18	19/01/2023	09:25	1	PB4	Hunting	N/A	N/A
P03686	Non-breeding	T6	19/02/2023	N/A	1	N/A	On Ground, Flying	N/A	N/A
P03867	Non-breeding	T21	14/03/2023	11:35	1	PB4	Hunting	N/A	N/A
P04240	Breeding	T9	06/04/2023	12:48	1	PB4	N/A	H	Possible
P04386	Breeding	T9	20/05/2023	13:48	1	PB4	N/A	H	Possible
P04634	Breeding	T12	12/07/2023	15:08	1	PB4	N/A	N/A	N/A
P04659	Breeding	T9	20/07/2023	13:45	1	PB4	N/A	N/A	N/A
P04698	Breeding	T4	02/08/2023	11:30	1	PB4	N/A	N/A	N/A
P04762	Breeding	T9	15/08/2023	10:11	1	PB4	N/A	N/A	N/A
P04788	Breeding	T8	31/08/2023	10:42	1	PB4	N/A	N/A	N/A
P04791	Breeding	T13	31/08/2023	15:50	1	PB4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04846	Breeding	T7	07/09/2023	13:30	1	pb4	N/A	N/A	N/A
P04802	Breeding	T5	25/09/2023	12:35	1	PB4	N/A	N/A	N/A
P04804	Breeding	T6	29/09/2023	11:05	1	PB4	N/A	N/A	N/A
P06415	Non-breeding	T14	13/10/2023	11:40	1	PB4	Hunting	N/A	N/A
P06166	Non-breeding	T3	08/11/2023	10:20	1	PB4	Hunting	N/A	N/A
P06172	Non-breeding	T2	08/11/2023	12:00	1	GS4	Hunting	N/A	N/A
P06174	Non-breeding	T9	09/11/2023	12:50	1	PB4	Hunting	N/A	N/A
P06175	Non-breeding	T7	09/11/2023	13:30	1	PB4	Hunting	N/A	N/A
P06250	Non-breeding	T14	24/11/2023	12:18	1	PB4	Hunting	N/A	N/A
P06471	Non-breeding	T21	04/12/2023	11:10	1	PB4	Hunting	N/A	N/A
P06477	Non-breeding	T9	06/12/2023	11:45	1	PB4	Hunting	N/A	N/A
P06541	Non-breeding	T18	20/12/2023	13:12	1	PB4	Hunting	N/A	N/A
P05910	Non-breeding	T3	08/01/2024	12:05	1	WS2	N/A	N/A	N/A
P05912	Non-breeding	T1	12/01/2024	14:55	1	PB4	N/A	N/A	N/A
P05981	Non-breeding	T3	13/02/2024	13:10	1	PB4	N/A	N/A	N/A
P05983	Non-breeding	T1	14/02/2024	14:00	1	PB4	N/A	N/A	N/A
P06004	Non-breeding	T15	28/02/2024	13:25	1	PB4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P06048	Non-breeding	2	07/03/2024	08:15	1	FW2	N/A	N/A	N/A
P06050	Non-breeding	1	08/03/2024	13:25	1	PB4	N/A	N/A	N/A
P06053	Non-breeding	7	11/03/2024	14:10	1	PB4	N/A	N/A	N/A
P04911	Breeding	T2	04/04/2024	16:35	1	PB4	N/A	N/A	N/A
P04980	Breeding	Transect 9	18/04/2024	12:36	1	pb4	N/A	N/A	N/A
P05270	Breeding	T1	11/06/2024	09:00	1	PB4	N/A	N/A	N/A
P05344	Breeding	T14	17/06/2024	16:24	1	PB4	N/A	N/A	N/A
P05447	Breeding	T5	05/07/2024	10:55	1	PB4	N/A	N/A	N/A
P05448	Breeding	T2	08/07/2024	07:10	1	PB4	N/A	N/A	N/A
P05651	Breeding	T14	08/08/2024	14:52	1	PB4	N/A	N/A	N/A
P05589	Breeding	T2	12/08/2024	11:00	2	PB4	N/A	N/A	N/A
P05652	Breeding	T12	19/08/2024	13:10	1	PB4	N/A	N/A	N/A
P05657	Breeding	T8	19/08/2024	15:17	1	PB4	N/A	N/A	N/A
P05678	Breeding	T7	20/08/2024	12:58	1	PB4	N/A	N/A	N/A
P05719	Breeding	T21	04/09/2024	10:15	1	PB4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P01493	Breeding	RVP5	20/06/2022	1	H	Possible
P01494	Breeding	RVP5	20/06/2022	1	F	Non-Breeding
P01606	Breeding	RVP5	06/07/2022	1	N/A	N/A
P01607	Breeding	RVP5	06/07/2022	1	N/A	N/A
P01608	Breeding	RVP5	06/07/2022	1	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P01610	Breeding	RVP5	06/07/2022	1	N/A	N/A
P01611	Breeding	RVP5	06/07/2022	1	N/A	N/A
P01612	Breeding	RVP5	06/07/2022	1	N/A	N/A
P01613	Breeding	Near T11	07/07/2022	1	A	Probable
P01641	Breeding	RVP4	24/08/2022	1	N/A	N/A
P01642	Breeding	RT1	31/08/2022	1	N/A	N/A
P01723	Breeding	RVP6	23/08/2022	1	N/A	N/A
P01730	Breeding	RVP 3	07/09/2022	1	N/A	N/A
P04243	Breeding	RVP 3	10/04/2023	1	F	Non-Breeding
P04268	Breeding	RVP 7	25/04/2023	1	H	Possible
P04379	Breeding	RVP 4	08/05/2023	1	H	Possible
P04383	Breeding	RVP 5	11/05/2023	1	H	Possible
P04542	Breeding	RVP 2	21/06/2023	1	H	Possible
P04568	Breeding	RVP 7	28/06/2023	1	F	Non-Breeding
P04569	Breeding	RVP 7	28/06/2023	1	F	Non-Breeding
P04690	Breeding	RVP 6	31/07/2023	2	N/A	N/A
P04747	Breeding	RVP 4	10/08/2023	1	N/A	N/A
P04760	Breeding	RVP 3	14/08/2023	1	N/A	N/A
P04772	Breeding	RVP 6	17/08/2023	1	N/A	N/A
P04851	Breeding	RVP 4	07/09/2023	1	N/A	N/A
P04863	Breeding	RVP 3	20/09/2023	1	N/A	N/A
P04940	Breeding	Ref No:2	08/04/2024	1	N/A	N/A
P04973	Breeding	RVP 8	17/04/2024	1	N/A	N/A
P05135	Breeding	2KM Buffer	10/05/2024	1	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P05224	Breeding	RVP3	22/06/2024	1	N/A	N/A
P05226	Breeding	Derryhaunbeg. NW of RVP5	28/06/2024	1	N/A	N/A
P05409	Breeding	SW on RVP3	14/07/2024	1	N/A	N/A
P05412	Breeding	West of RVP4	22/07/2024	1	N/A	N/A
P05530	Breeding	RVP7	25/07/2024	1	N/A	N/A
P05558	Breeding	Between RV3/4	24/08/2024	1	N/A	N/A
P05560	Breeding	N63, east of Lanesboro	24/08/2024	1	N/A	N/A
P05702	Breeding	2 km buffer	27/08/2024	1	N/A	N/A
P05704	Breeding	2 km buffer	27/08/2024	1	N/A	N/A
P05705	Breeding	Nr RVP1	08/09/2024	1	N/A	N/A
P05711	Breeding	Corlea. North of RVP5	23/09/2024	1	N/A	N/A
P05829	Breeding	2km buffer	12/09/2024	1	N/A	N/A
P05831	Breeding	2km buffer	12/09/2024	1	N/A	N/A
P02501	Non-breeding	HHVP6	14/10/2022	1	N/A	N/A
P05948	Non-breeding	HHVP3	12/02/2024	1	N/A	N/A
P06091	Non-breeding	HHVP2	06/03/2024	1	N/A	N/A
P06226	Non-breeding	HHVP3	19/11/2023	1	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P03971	Non-breeding	14/11/2022	1	N/A	N/A
P03974	Non-breeding	15/11/2022	1	N/A	N/A
P03982	Non-breeding	01/12/2022	1	N/A	N/A
P04001	Non-breeding	12/12/2022	1	N/A	N/A

8°2'40"W
7°53'50"W
7°45'0"W
53°45'0"N
53°40'0"N
53°35'0"N
776000
768000
760000
593600
604000
614400

Strokestown Golf Club
Townparks (Longford By)
Enybegs
Cloonrollagh
Ballytoohey
Sheet 1
Termonbarry
Cloondara
Cloonbalt
Longford
Feraghfad
Stonepark (Ardagh By)
Cloontuskert
Sheet 2
Sheet 3
Ballyleague
Knock
Sheet 4
Sheet 5
Sheet 7
Keenagh
Fearagh
Sheet 6
Knockcroghery
Galey
Lough Ree
Derrymacar Lough
Drinan
Ballymahon
N5
N63
N55
R371
R194
R397
R393
R392
R39

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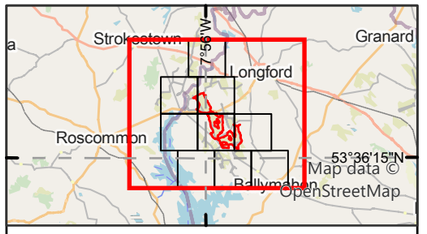

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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NOTES

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Common Kestrel
Overview

Scale @ A3:	1:85,000	
Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref:	Draft:
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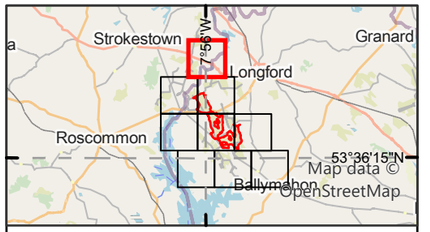

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

Non-breeding-22/23

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Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Common Kestrel
Sheet 1 of 7

Scale @ A3: 1:22,000

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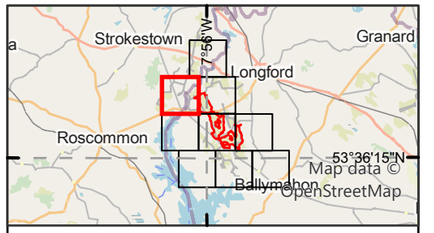
Map Ref: 11399-007.ApX-SUM-K.-TOB-A

Draft: A

8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Kestrel
Sheet 2 of 7

Scale @ A3: 1:22,000

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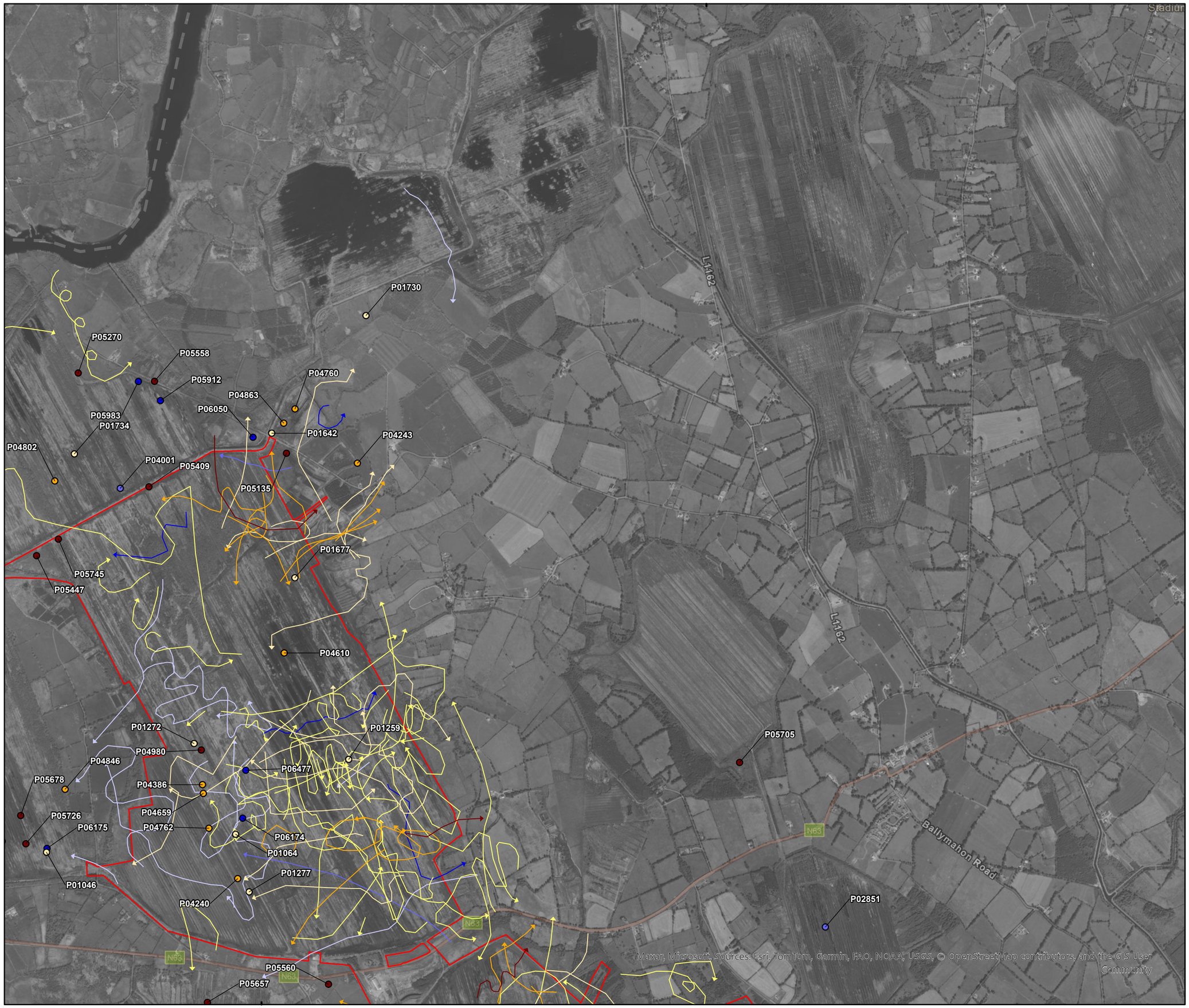
Map Ref: 11399-007.ApX-SUM-K.-TOB-A

Draft: A

7°53'50"W



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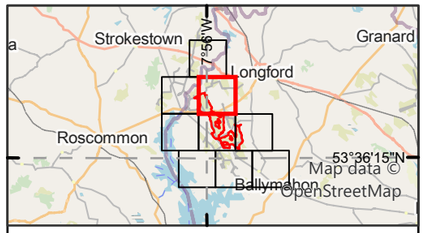

Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Kestrel
Sheet 3 of 7

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7°53'50"W

53°40'0"N

768000

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P05224
P04940
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P04634
P04107
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P01233
P05854
P05651
P02631
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P06541
P01781
P04503
P03369
P06091
P06004
P01723
P04690
P06105
P01553
P02947
P04372
P02664
P02997

R392
R398
N63
L4155
Ballymahon Road

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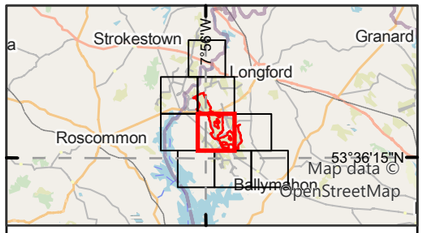

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

0 0.5 1
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Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Kestrel
Sheet 4 of 7

Scale @ A3: 1:22,000

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Map Ref: 11399-007.ApX-SUM-K.-TOB-A

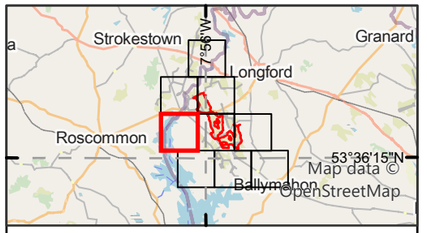
Draft: A

8°2'40"W

53°40'0"N

768000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Breeding-21

0 0.5 1
Kilometres

NOTES

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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Kestrel
Sheet 5 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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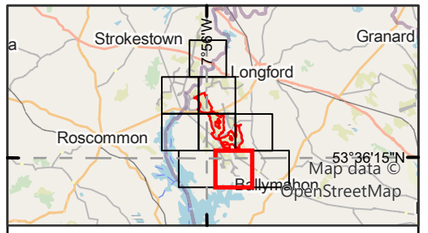

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-22
- Breeding-23
- Breeding-24

0 0.5 1
Kilometres

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Common Kestrel
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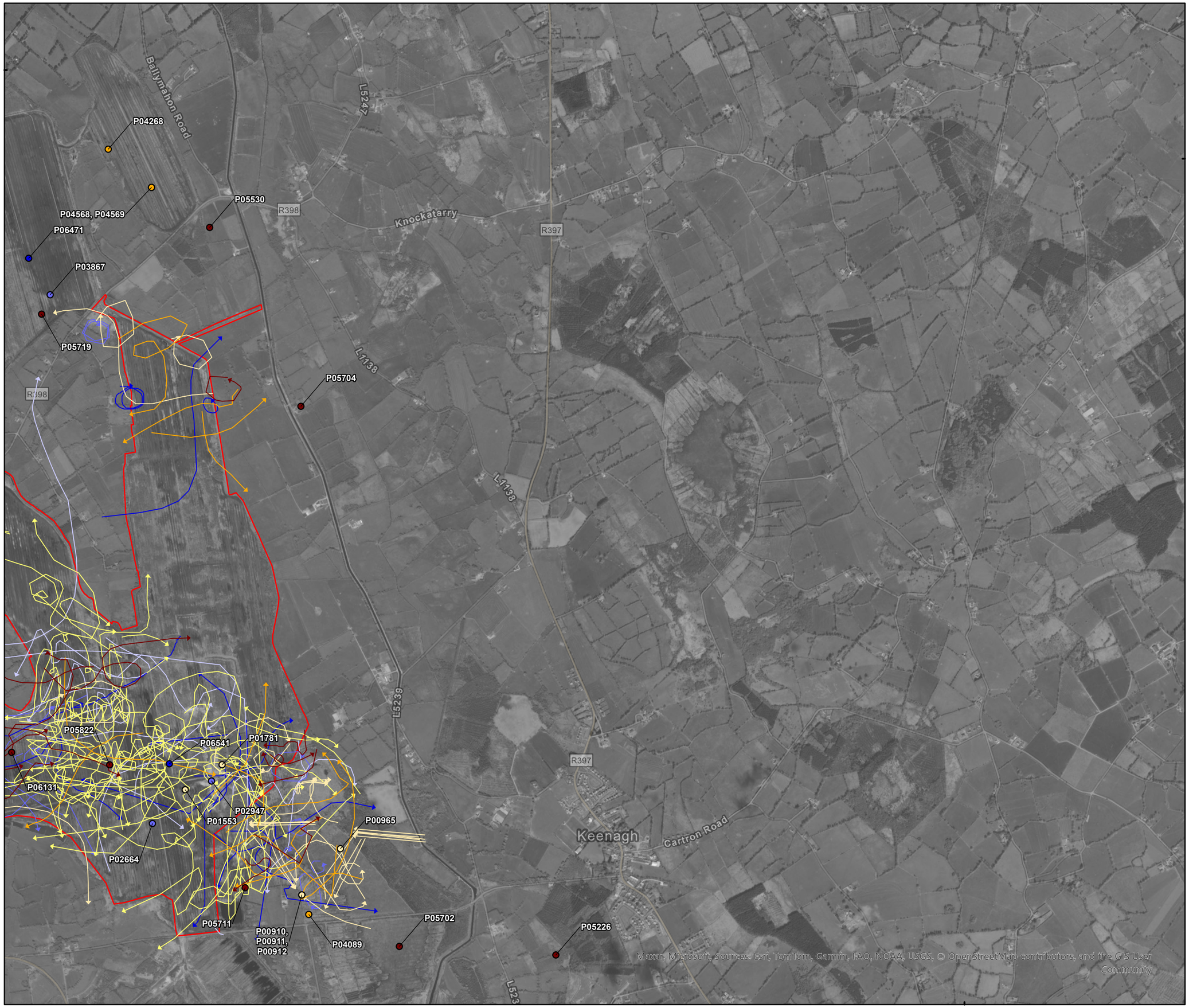

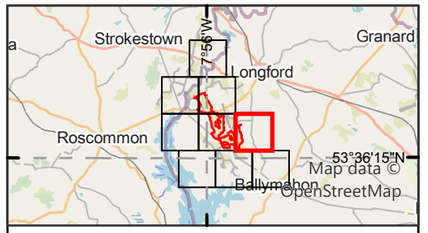

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Kestrel
Sheet 7 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Appendix 8.3h COMMON KINGFISHER

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP1	05/10/2022	17:39	1	4	0	0	0	0
Non-breeding	VP1	09/10/2022	10:01	2	4	0	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01001	Breeding	VP2	08/09/2022	10:32	1	FW4	N/A	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01916	Non-breeding	Ref No 5	13/10/2022	1	Roosting around shore-line.	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01647	Breeding	T19	05/08/2022	N/A	1	PB4	Foraging	N/A	N/A
P03030	Non-breeding	T17	08/12/2022	08:20	1	PB4	Foraging	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00275	Breeding	HHVP8	14/05/2021	1	N/A	N/A
P00490	Breeding	HHVP20	05/08/2021	1	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00558	Breeding	HHVP2	09/09/2021	1	N/A	N/A

8°2'40"W

7°53'50"W

53°40'0"N

776000

768000

760000

604000

614400

P00490

P01001

P00275

P03030

P01916

P01647

P00558

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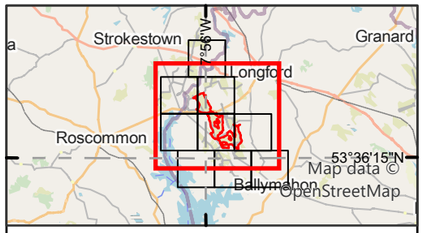

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-21
- Breeding-22

Flightline observations - Seasons

- Non-breeding-22/23

0 1 2

Kilometres

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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Kingfisher
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Appendix 8.3i COMMON MOORHEN

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP2	29/04/2021	10:46	2	11	0	0	0	0
Non-breeding	VP4	25/11/2021	08:18	1	2	0	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00978	Breeding	VP1	04/08/2022	10:26	2	fw2	Swimming	N/A	N/A
P01872	Non-breeding	VP7	14/02/2023	11:25	1	PB4	Foraging.	N/A	N/A
P01881	Non-breeding	VP7	08/03/2023	13:20	7	PB4	Foraging.	N/A	N/A
P04154	Breeding	VP1	28/09/2023	07:30	1	N/A	Foraging	N/A	N/A
P06106	Breeding	VP1	14/04/2024	18:05	1	N/A	Swimming	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01071	Breeding	New site	19/04/2022	1	Seen in suitable nesting habitat.	H	Possible
P01086	Breeding	Ref: 4	20/04/2022	12	Suitable nesting habitat	H	Possible
P01117	Breeding	New site	22/04/2022	2	Suitable nesting habitat	N/A	N/A
P01597	Breeding	Rhynmount Bog.	11/07/2022	1	Male calling from cover.	S	Possible
P01605	Breeding	Corlea Wetlands	14/07/2022	1	Alarm calling from cover.	A	Probable
P01712	Breeding	Rhynmount Bog.	11/08/2022	2	Swimming around reeds.	N/A	N/A
P01822	Breeding	Corlea Wetlands	14/09/2022	2	Foraging around the wetland.	N/A	N/A
P01897	Non-breeding	Rhynmount Bog	12/10/2022	3	Foraging on wetlands.	N/A	N/A
P01926	Non-breeding	Derrycashel Bog	14/10/2022	1	Calling from cover.	N/A	N/A
P01972	Non-breeding	Rhynmount Bog	16/11/2022	1	Calling from cover.	N/A	N/A
P02056	Non-breeding	Rhynmount Bog	08/12/2022	2	Calling from cover.	N/A	N/A
P02066	Non-breeding	Rhynmount Bog	08/12/2022	6	Foraging/ Swimming on wetlands.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02075	Non-breeding	Derrycashel Bog	08/12/2022	2	Calling from cover.	N/A	N/A
P02189	Non-breeding	Rhynmount Bog VP1	13/01/2023	1	Calling from cover.	N/A	N/A
P02192	Non-breeding	Rhynmount Bog VP2	13/01/2023	1	Calling from cover.	N/A	N/A
P02199	Non-breeding	Rhynmount Bog VP3	13/01/2023	1	Foraging on wetland.	N/A	N/A
P02204	Non-breeding	Derrycashel Bog	23/01/2023	3	Foraging on wetland.	N/A	N/A
P02253	Non-breeding	Derrycashel Bog	10/02/2023	1	Calling from cover.	N/A	N/A
P02264	Non-breeding	Rhynmount Bog VP1	16/02/2023	1	Calling from cover.	N/A	N/A
P02266	Non-breeding	Rhynmount Bog VP2	16/02/2023	1	Calling from cover.	N/A	N/A
P02271	Non-breeding	Rhynmount Bog VP3	16/02/2023	1	Calling from cover.	N/A	N/A
P02308	Non-breeding	Loughpark, Site 3	25/02/2023	2	Near reeds on west side	N/A	N/A
P02379	Non-breeding	Loughpark, Site 3	25/02/2023	2	Near reeds on west side	N/A	N/A
P02455	Non-breeding	Rhynmount Bog VP2	16/03/2023	2	Calling from cover.	N/A	N/A
P02479	Non-breeding	Derrycashel Bog	16/03/2023	3	Calling from cover.	N/A	N/A
P02383	Non-breeding	Corlea Walkway	23/03/2023	1	In reeds beside lough	N/A	N/A
P04182	Breeding	Derrycashel Bog	14/04/2023	1	Foraging	N/A	N/A
P04187	Breeding	Ref No 12	14/04/2023	1	Calling from cover	S	Possible
P04208	Breeding	Rhymount VP2	14/04/2023	1	Calling from cover	S	Possible
P04212	Breeding	Rhymount VP3	14/04/2023	1	Calling from cover	S	Possible
P04325	Breeding	Onsite	03/05/2023	1	Flushed	N/A	N/A
P04358	Breeding	Derrycashel Bog	03/05/2023	1	Foraging.	N/A	N/A
P04412	Breeding	5 KM radius	26/05/2023	2	2 Moorhen took flight from reeds in lake	H	Possible
P04428	Breeding	5 KM radius	26/05/2023	1	Moorhen feeding on turlough	H	Possible
P04476	Breeding	Onsite	02/06/2023	4	Male calling	S	Possible
P04484	Breeding	Rhynmount VP2	02/06/2023	1	Male calling	S	Possible
P04494	Breeding	Derrycashel Bog	02/06/2023	2	Foraging	N/A	N/A
P04523	Breeding	5 KM radius	09/06/2023	2	Moorhen feeding on turlough	H	Possible
P04526	Breeding	5 KM radius	09/06/2023	3	Moorhen with 2 young	FL	Confirmed
P04598	Breeding	Onsite	07/07/2023	1	Foraging	N/A	N/A
P04602	Breeding	Onsite	07/07/2023	1	Male calling	S	Possible
P04614	Breeding	Rhynmount VP2	07/07/2023	1	Male calling	S	Possible
P04649	Breeding	01832 63178	19/07/2023	2	2 Moorhen on Turlough	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04711	Breeding	Onsite	03/08/2023	3	Foraging, Adult, Juv.	N/A	N/A
P04718	Breeding	Onsite	03/08/2023	6	Foraging, Adult, Juv.	N/A	N/A
P04725	Breeding	Rhynmount VP2	03/08/2023	1	Male calling	N/A	N/A
P06436	Non-breeding	N/A	06/10/2023	4	4 Moorhen on Turlough	N/A	N/A
P06445	Non-breeding	N/A	14/10/2023	2	2 Moorhen on turlough	N/A	N/A
P06454	Non-breeding	4	14/10/2023	2	2 Moorhen on turlough	N/A	N/A
P06270	Non-breeding	Corlea lake	20/11/2023	1	1 Moorhen on lake/flooded bog	N/A	N/A
P06282	Non-breeding	4	20/11/2023	2	2 Moorhen on Turlough	N/A	N/A
P06309	Non-breeding	N/A	23/11/2023	1	Moorhen on flooded bog/small lake.	N/A	N/A
P06314	Non-breeding	N/A	27/11/2023	2	2 Moorhen on lake	N/A	N/A
P06580	Non-breeding	4	18/12/2023	1	1 Moorhen on turlough	N/A	N/A
P06625	Non-breeding	Rhynmount	12/01/2024	2	N/A	N/A	N/A
P06698	Non-breeding	Ref No: 13	06/02/2024	1	N/A	N/A	N/A
P06707	Non-breeding	Rhynmount	14/02/2024	3	N/A	N/A	N/A
P06716	Non-breeding	Onsite	14/02/2024	1	N/A	N/A	N/A
P06755	Non-breeding	Southern half of site	21/02/2024	2	2 Moorhen on canal	N/A	N/A
P06808	Non-breeding	Rhynmount	08/03/2024	2	Calling	N/A	N/A
P06811	Non-breeding	Onsite	08/03/2024	3	Calling	N/A	N/A
P04933	Breeding	Ref No:1	08/04/2024	1	Foraging	N/A	N/A
P04943	Breeding	Ref No:2	08/04/2024	1	Flushed from cover.	N/A	N/A
P05095	Breeding	Ref No:1	10/05/2024	1	Foraging	N/A	N/A
P05097	Breeding	Ref No:2	10/05/2024	1	Bird alarm call from cover.	A	Probable
P05114	Breeding	Ref No:9	13/05/2024	1	Signing Male.	S	Possible
P05120	Breeding	Ref No:11	13/05/2024	1	Signing Male.	S	Possible
P05126	Breeding	Ref No:12	13/05/2024	1	Foraging	N/A	N/A
P05284	Breeding	Ref No:1	07/06/2024	1	Foraging, adults.	N/A	N/A
P05309	Breeding	Ref No:11	11/06/2024	2	Foraging	N/A	N/A
P05318	Breeding	Ref No:12	11/06/2024	1	Foraging adults.	N/A	N/A
P05335	Breeding	2km buffer	17/06/2024	1	Moorhen on wetland area	N/A	N/A
P05454	Breeding	Ref No:1	03/07/2024	3	Foraging adult with 2 chicks.	FL	Confirmed
P05478	Breeding	Ref No:11	05/07/2024	3	Foraging adult with 2 chicks.	FL	Confirmed

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05485	Breeding	Ref No:12	05/07/2024	2	Foraging adult.	N/A	N/A
P05601	Breeding	Ref No:2	08/08/2024	1	Foraging Adults	N/A	N/A
P05619	Breeding	Ref No:11	09/08/2024	1	Foraging Adults	N/A	N/A
P05625	Breeding	Ref No:12	09/08/2024	1	Foraging	N/A	N/A
P05676	Breeding	2 Km buffer	20/08/2024	2	2 Moorhen on wetland	N/A	N/A
P05691	Breeding	2 km buffer	21/08/2024	2	2 Moorhen on wetland	N/A	N/A
P05756	Breeding	Ref No:2	02/09/2024	4	Foraging	N/A	N/A
P05767	Breeding	Ref No:8	02/09/2024	2	Foraging	N/A	N/A
P05778	Breeding	Ref No:11	06/09/2024	2	Foraging	N/A	N/A
P05785	Breeding	Ref No:12	06/09/2024	2	Foraging	N/A	N/A
P05850	Breeding	2km buffer	16/09/2024	1	Moorhen on wetland	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00099	Breeding	T11	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00122	Breeding	T19	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00148	Breeding	T3	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00155	Breeding	T4	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00170	Breeding	T5	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P01062	Breeding	T10	22/04/2022	N/A	1	PB4	On flooded area.	H	Possible
P01225	Breeding	T19	05/05/2022	N/A	1	PB4	On pond.	H	Possible
P01261	Breeding	T10	13/05/2022	N/A	2	PB4	Male calling.	S	Possible
P01379	Breeding	T19	07/06/2022	N/A	2	PB4	Alarm calling.	A	Probable
P01517	Breeding	T11	07/07/2022	N/A	1	PB4	Alarm call	A	Probable
P01522	Breeding	T11	07/07/2022	N/A	1	PB4	Flushed	N/A	N/A
P01534	Breeding	T10	11/07/2022	N/A	2	PB4	Alarm call	A	Probable
P01548	Breeding	T20	12/07/2022	N/A	1	PB4	Male singing	S	Possible
P01646	Breeding	T19	05/08/2022	N/A	4	PB4	Foraging	N/A	N/A
P01648	Breeding	T19	05/08/2022	N/A	2	PB4	Foraging	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01655	Breeding	T11	09/08/2022	N/A	2	PB4	Foraging	N/A	N/A
P01660	Breeding	T11	09/08/2022	N/A	5	PB4	Foraging	N/A	N/A
P01748	Breeding	T19	05/09/2022	N/A	1	PB4	Foraging	N/A	N/A
P01761	Breeding	T11	12/09/2022	N/A	7	PB4	Foraging	N/A	N/A
P01772	Breeding	T10	13/09/2022	N/A	1	PB4	Alarm call	N/A	N/A
P02832	Non-breeding	T19	04/11/2022	07:55	2	PB4	Foraging	N/A	N/A
P03470	Non-breeding	T4	04/02/2023	N/A	2	FL1	Swimming	N/A	N/A
P03507	Non-breeding	T19	09/02/2023	09:55	1	PB4	Foraging	N/A	N/A
P03628	Non-breeding	T11	15/02/2023	08:30	1	PB4	Foraging	N/A	N/A
P03776	Non-breeding	T19	03/03/2023	07:45	1	PB4	Calling	N/A	N/A
P03711	Non-breeding	T4	05/03/2023	N/A	2	PB4	Swimming	N/A	N/A
P03886	Non-breeding	T11	16/03/2023	09:10	1	PB4	Foraging	N/A	N/A
P04232	Breeding	T10	06/04/2023	10:52	1	PB4	N/A	H	Possible
P04452	Breeding	T4	21/06/2023	15:20	3	PB4	N/A	ON	Confirmed
P04467	Breeding	T5	21/06/2023	17:40	1	PB4	N/A	S	Possible
P04576	Breeding	T4	05/07/2023	12:35	3	PB4	N/A	ON	Confirmed
P04704	Breeding	T5	02/08/2023	13:40	1	PB4	N/A	N/A	N/A
P04858	Breeding	T11	20/09/2023	09:26	1	PB4	N/A	N/A	N/A
P06354	Non-breeding	T20	03/10/2023	11:10	1	PB4	Foraging	N/A	N/A
P06364	Non-breeding	T19	09/10/2023	15:00	2	PB4	Swimming.	N/A	N/A
P06425	Non-breeding	T4	18/10/2023	15:51	1	PB4	Swimming	N/A	N/A
P06159	Non-breeding	T19	03/11/2023	10:10	1	PB4	Foraging	N/A	N/A
P05977	Non-breeding	T19	07/02/2024	16:15	2	PB4	N/A	N/A	N/A
P06030	Non-breeding	19	04/03/2024	14:20	1	PB4	N/A	N/A	N/A
P06068	Non-breeding	T4	05/03/2024	15:09	2	PB4	N/A	N/A	N/A
P06074	Non-breeding	T4	05/03/2024	15:43	1	PB4	N/A	N/A	N/A
P06079	Non-breeding	T10	06/03/2024	10:08	1	PB4	N/A	N/A	N/A
P04915	Breeding	T19	04/04/2024	13:15	1	PB4	N/A	N/A	N/A
P04917	Breeding	T19	04/04/2024	13:25	1	PB4	N/A	S	Possible
P04993	Breeding	T11	08/04/2024	14:28	1	pb4	N/A	H	Possible
P05057	Breeding	T20	07/05/2024	09:55	1	PB4	N/A	S	Possible

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05059	Breeding	T19	08/05/2024	12:20	2	PB4	N/A	N/A	N/A
P05131	Breeding	T15	09/05/2024	15:17	1	pb4	N/A	A	Probable
P05074	Breeding	T4	10/05/2024	08:05	8	PB4	N/A	FL	Confirmed
P05253	Breeding	T20	05/06/2024	12:30	1	PB4	N/A	N/A	N/A
P05255	Breeding	T19	06/06/2024	14:45	3	PB4	N/A	FL	Confirmed
P05273	Breeding	T5	11/06/2024	10:20	1	PB4	N/A	N/A	N/A
P05398	Breeding	T10	25/06/2024	12:38	1	PB4	N/A	N/A	N/A
P05408	Breeding	T7	25/06/2024	16:46	1	PB4	N/A	N/A	N/A
P05419	Breeding	T20	01/07/2024	11:55	4	PB4	N/A	FL	Confirmed
P05435	Breeding	T19	04/07/2024	14:50	3	PB4	N/A	FL	Confirmed
P05500	Breeding	T11	22/07/2024	18:28	1	PB4	N/A	N/A	N/A
P05565	Breeding	T20	01/08/2024	11:20	1	PB4	N/A	N/A	N/A
P05570	Breeding	T20	01/08/2024	12:15	2	PB4	N/A	N/A	N/A
P05578	Breeding	T19	07/08/2024	14:05	1	PB4	N/A	N/A	N/A
P05640	Breeding	T10	07/08/2024	13:45	1	PB4	N/A	N/A	N/A
P05580	Breeding	T4	09/08/2024	07:40	2	PB4	N/A	N/A	N/A
P05714	Breeding	T19	03/09/2024	14:50	1	PB4	N/A	N/A	N/A
P05721	Breeding	T20	04/09/2024	11:10	4	PB4	N/A	N/A	N/A
P05738	Breeding	T4	06/09/2024	08:10	1	PB4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00248	Breeding	HHVP4	12/05/2021	10	N/A	N/A
P00324	Breeding	HHVP4	12/06/2021	1	N/A	N/A
P00349	Breeding	HHVP8	12/06/2021	1	N/A	N/A
P00385	Breeding	HHVP4	17/07/2021	2	N/A	N/A
P00464	Breeding	HHVP8	05/08/2021	1	N/A	N/A
P00479	Breeding	HHVP11	05/08/2021	1	N/A	N/A
P00495	Breeding	HHVP4	14/08/2021	2	N/A	N/A
P00505	Breeding	HHVP5	14/08/2021	3	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00522	Breeding	HHVP8	14/08/2021	2	N/A	N/A
P00526	Breeding	HHVP8	14/08/2021	4	N/A	N/A
P00528	Breeding	HHVP8	14/08/2021	2	N/A	N/A
P00540	Breeding	HHVP9	14/08/2021	1	N/A	N/A
P00548	Breeding	HHVP12	14/08/2021	2	N/A	N/A
P00557	Breeding	HHVP1	09/09/2021	1	N/A	N/A
P00562	Breeding	HHVP4	09/09/2021	1	N/A	N/A
P00570	Breeding	HHVP5	09/09/2021	3	N/A	N/A
P00587	Breeding	HHVP8	09/09/2021	1	N/A	N/A
P00611	Breeding	HHVP15	09/09/2021	2	N/A	N/A
P00620	Breeding	HHVP1	30/09/2021	1	N/A	N/A
P00621	Breeding	HHVP2	30/09/2021	1	N/A	N/A
P00625	Breeding	HHVP4	30/09/2021	4	N/A	N/A
P00633	Breeding	HHVP5	30/09/2021	1	N/A	N/A
P00640	Breeding	HHVP7	30/09/2021	1	N/A	N/A
P00652	Breeding	HHVP8	30/09/2021	2	N/A	N/A
P00667	Breeding	HHVP11	30/09/2021	1	N/A	N/A
P00670	Breeding	HHVP15	30/09/2021	1	N/A	N/A
P00676	Non-breeding	HHVP2	26/10/2021	2	N/A	N/A
P00678	Non-breeding	HHVP4	26/10/2021	1	N/A	N/A
P00687	Non-breeding	HHVP5	26/10/2021	6	N/A	N/A
P00689	Non-breeding	HHVP7	26/10/2021	1	N/A	N/A
P00700	Non-breeding	HHVP8	26/10/2021	2	N/A	N/A
P00712	Non-breeding	HHVP11	28/10/2021	2	N/A	N/A
P00732	Non-breeding	HHVP4	24/11/2021	4	N/A	N/A
P00758	Non-breeding	HHVP11	24/11/2021	1	N/A	N/A
P00775	Non-breeding	HHVP7	25/01/2022	2	N/A	N/A
P00788	Non-breeding	HHVP12	25/01/2022	1	N/A	N/A
P00805	Non-breeding	HHVP6	28/02/2022	3	N/A	N/A
P00815	Non-breeding	HHVP11	28/02/2022	1	N/A	N/A
P00820	Non-breeding	HHVP4	29/03/2022	8	N/A	N/A
P00834	Non-breeding	HHVP7	29/03/2022	1	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00840	Non-breeding	HHVP8	29/03/2022	2	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P03950	Non-breeding	12/10/2022	2	N/A	N/A
P03975	Non-breeding	16/11/2022	1	N/A	N/A
P04061	Non-breeding	03/03/2023	5	N/A	N/A
P04071	Non-breeding	21/03/2023	1	N/A	N/A

8°2'40"W
7°53'50"W
7°45'0"W
53°45'0"N
53°40'0"N
53°35'0"N
776000
768000
760000
593600
604000
614400

Strokestown Golf Club
Townparks (Longford By)
Enybegs
Cloonrollagh
Ballytoohey
Sheet 1
Termonbarry
Cloondara
Cloonbalt
Longford
Feraghfad
Stonepark (Ardagh By)
Cloontuskert
Sheet 2
Sheet 3
Ballyleague
Knock
Sheet
Sheet 4
Sheet 7
Keenagh
Fearagh
Sheet 6
Sheet 8
Knockcroghery
Galey
Lough Ree
Derrymacar Lough
Drinan
Ballymahon
R371
R194
R397
R393
R392
N5
N63
N55

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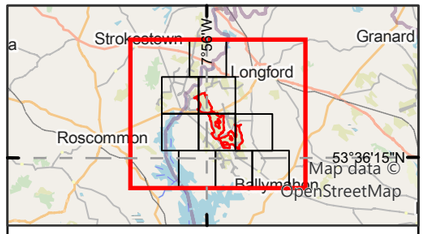

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Breeding-21

*should be read with data in Appendix 8.3

0 2 4
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NOTES

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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Common Moorhen Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-007.ApX-SUM-K.-TOB-A

Draft: A

7°53'50"W

53°45'0"N

604000

776000

Ballytoohey

Termonbarry

Cloondara

N5

N6

L1162

P06698

P04187

P00611,
P00670

P04182,
P04358,
P04494

P01926, P02075,
P02204,
P02253, P02479

P00548,
P00788

P00479, P00667,
P00712,
P00758, P00815

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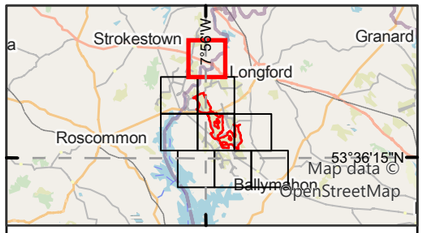

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-23

*should be read with data in Appendix 8.3

0 0.5 1
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Rev	Date	Description	By	Chkd
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Moorhen
Sheet 1 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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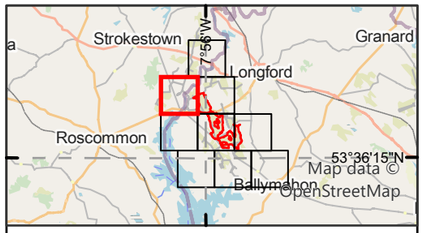
Map Ref: 11399-009.ApX-SUM-MH-TOB-A

Draft: A

8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Breeding-21

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Moorhen
Sheet 2 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-009.ApX-SUM-MH-TOB-A

Draft: A

7°53'50"W

P02189, P02264
P01117
P01712
P01597
P02056, P02192, P02266, P02455, P04208, P04484, P04614, P04725, P06625, P06707, P06808
P01897, P01972, P02066, P02199, P02271, P04212
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P04071
P03950
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P04704
P04711
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P05335
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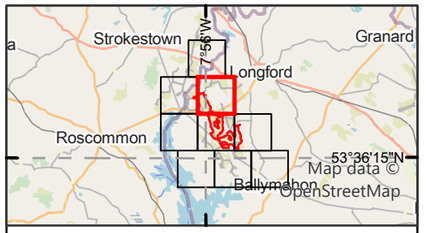
P05273
P04467
P04598
P01534
P01772
P04325
P04476
P05676
P04602
P05398
P04718, P06716, P06811
P01062
P01261
P05850
P05640
P04232
P06079
N63
P05253
P01548
Ballymahon Road
P04933, P05095, P05234, P05455
P05570
Maxar, Microsoft, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, OpenStreetMap contributors, and the GIS User Community

604000



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Common Moorhen
Sheet 3 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-009.ApX-SUM-MH-TOB-A

Draft: A

7°53'50"W

53°40'0"N

768000

604000

N63

R392

R398

L4155

Ballymahon Road

P05570
P04993
P05057
P04943, P05097, P05601, P05756
P00099
P01522
P01761
P01660
P05721
P05419
P03886, P04061
P01655
P06011
P03628
P05565
P01881
P05500
P01872
P04858
P01517
P05131
P04373
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P06282

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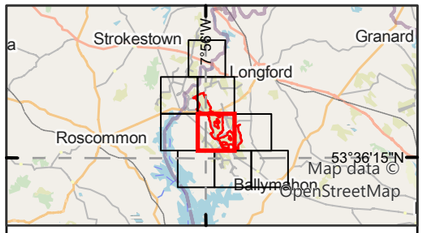

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

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0 0.5 1
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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Common Moorhen
Sheet 4 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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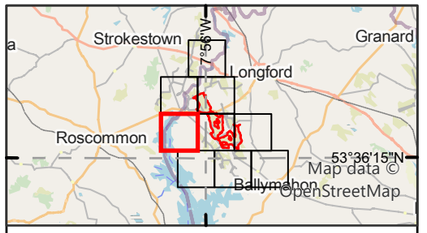
Draft: A

8°2'40"W

53°40'0"N

768000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Moorhen
Sheet 5 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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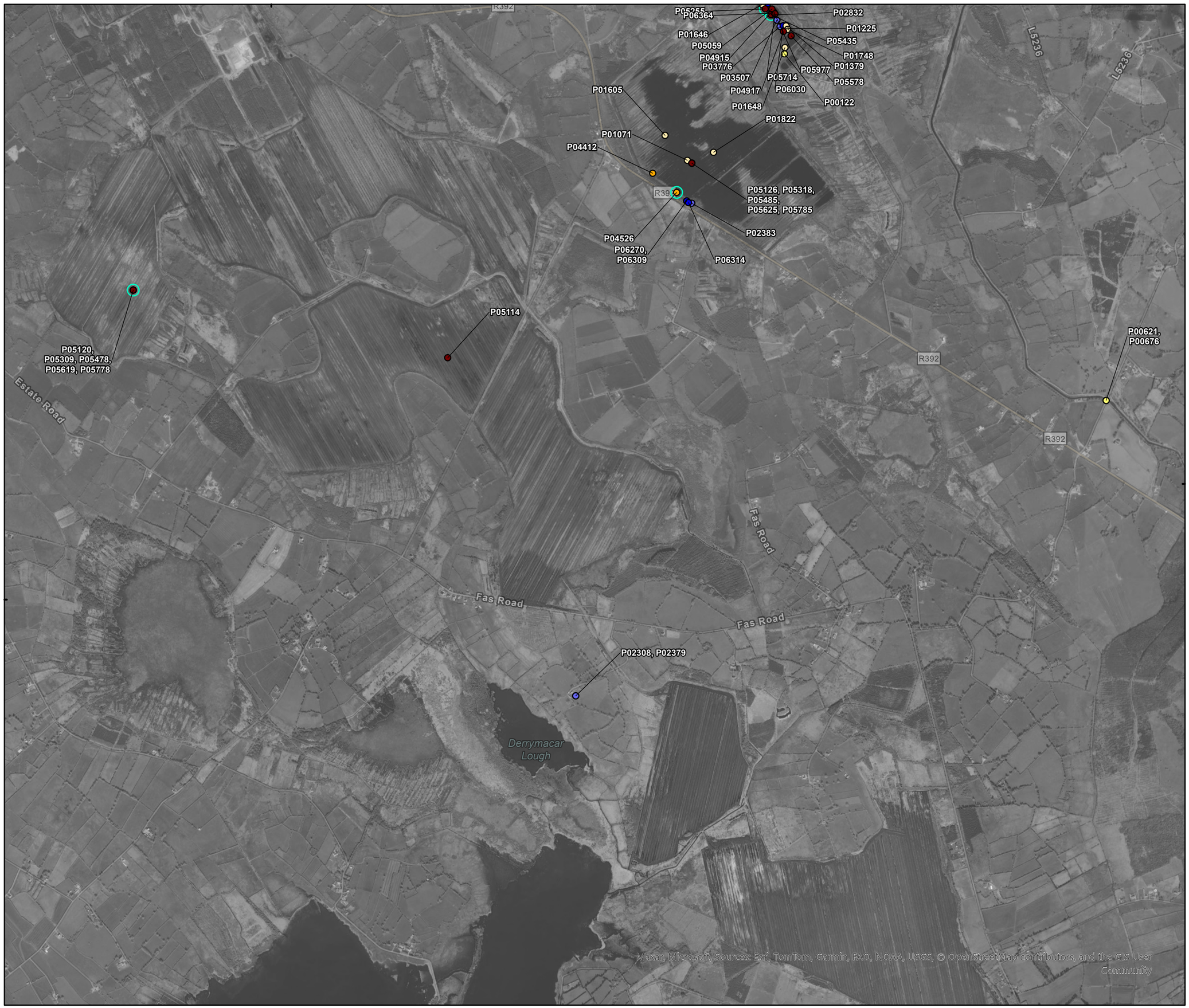

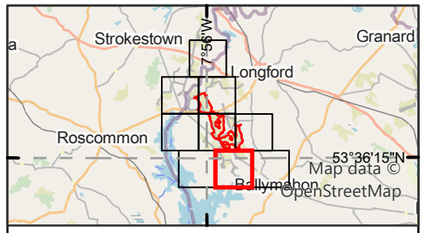

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Moorhen
Sheet 6 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-009.ApX-SUM-MH-TOB-A

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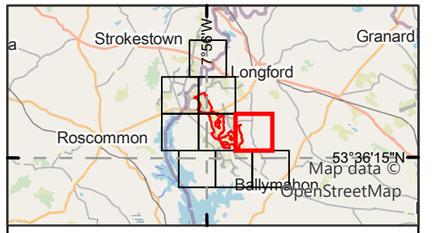

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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Common Moorhen
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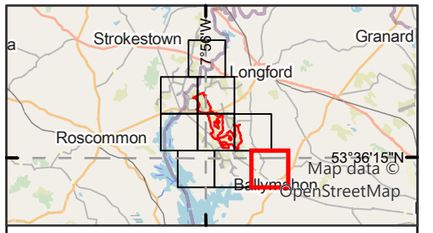

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Breeding-21

*should be read with data in Appendix 8.3

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Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Common Moorhen
Sheet 8 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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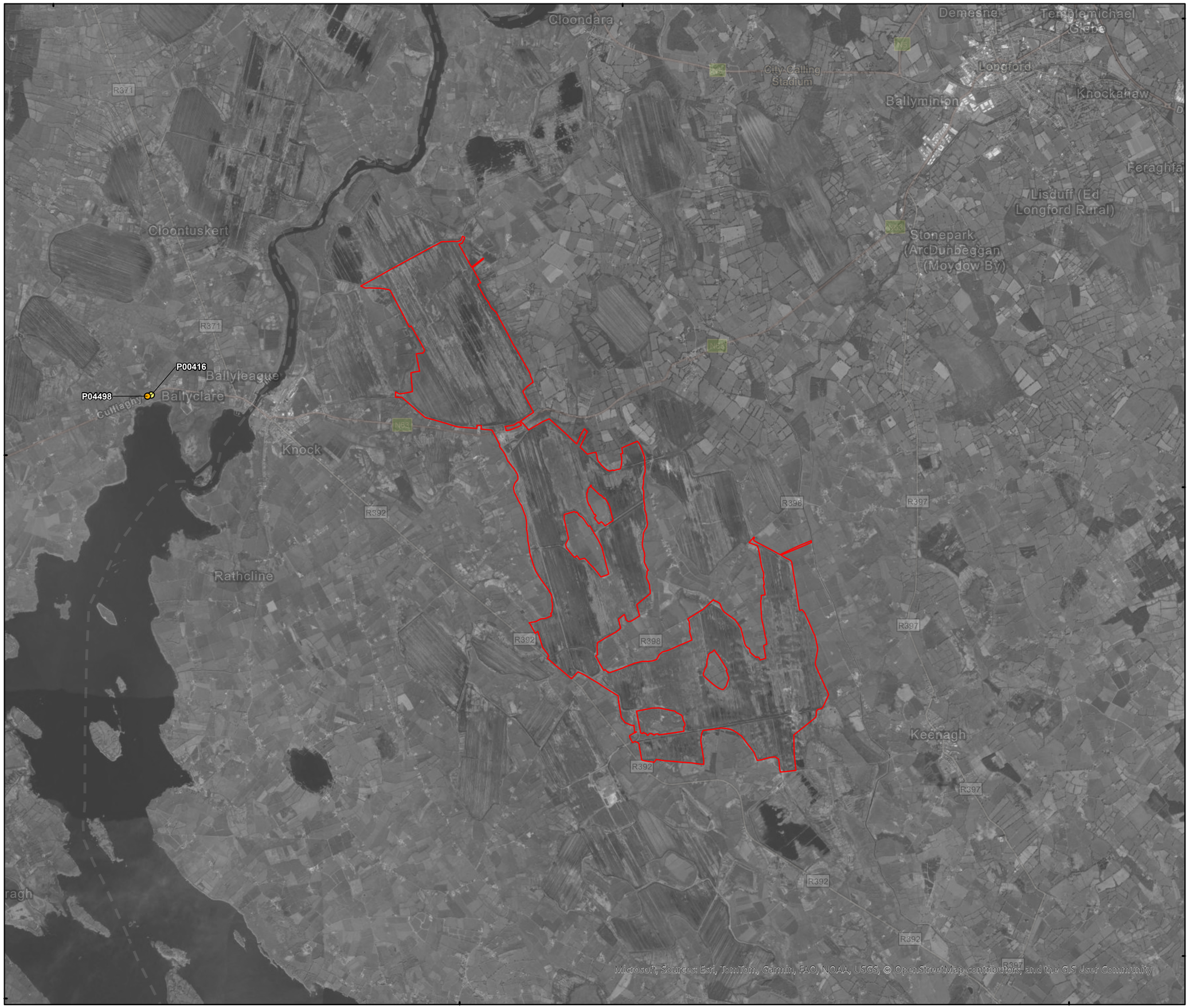
Appendix 8.3j COMMON POCHARD

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04498	Breeding	Ref No: 8	02/06/2023	4	2 Pairs foraging.	H	Possible

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00416	Breeding	HHVP8	17/07/2021	1	N/A	N/A

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
776000
768000
760000
604000
614400



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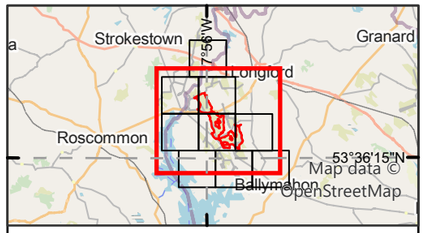

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-21
- Breeding-23

0 1 2
Kilometres

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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Pochard
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Map Ref: 11399-010.ApX-SUM-PO-TOB-A

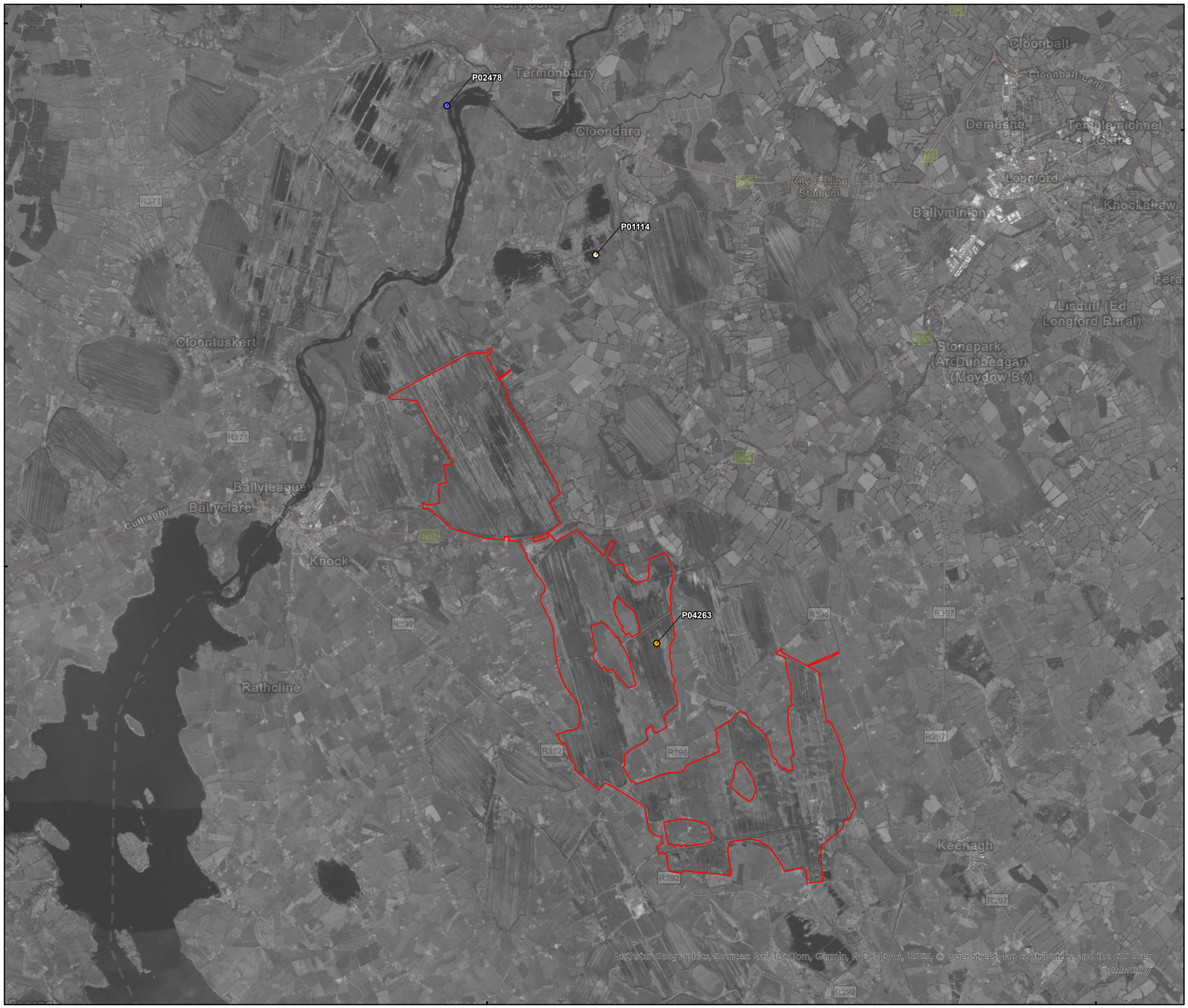
Draft: A

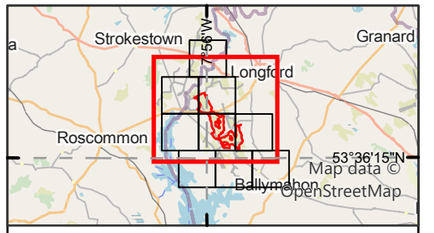
Appendix 8.3k COMMON REDSHANK

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01114	Breeding	New site	22/04/2022	1	Suitable nesting habitat	H	Possible
P02478	Non-breeding	Ref No 12	16/03/2023	1	Foraging	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04263	Breeding	T12	25/04/2023	12:40	2	PB4	N/A	P	Probable

8°2'40"W
7°53'50"W
53°45'0"N
53°40'0"N
776000
768000
604000
614400





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-22
- Breeding-23

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Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Common Redshank
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
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Appendix 8.3l COMMON RINGED PLOVER

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP1	18/03/2024	10:46	1	6	0	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00909	Breeding	VP10	13/04/2022	08:30	2	PB4	Grounded	P	Probable
P00929	Breeding	VP9	11/05/2022	15:55	1	PB4	Foraging	N/A	N/A
P00937	Breeding	VP10	12/05/2022	19:14	1	PB4	Foraging	N/A	N/A
P00945	Breeding	VP10	08/06/2022	13:15	2	PB4	On nest	ON	Confirmed
P00954	Breeding	VP9	05/07/2022	10:42	2	PB4	On nest	ON	Confirmed
P00956	Breeding	VP10	07/07/2022	10:40	4	PB4	Foraging/ Display	FL	Confirmed
P00962	Breeding	VP10	07/07/2022	14:05	1	PB4	Foraging	N/A	N/A
P00989	Breeding	VP9	08/08/2022	10:45	3	PB4	Foraging.	N/A	N/A
P01865	Non-breeding	VP10	02/02/2023	12:40	1	PB4	Roosting.	N/A	N/A
P04084	Breeding	VP9	07/04/2023	14:50	2	N/A	Foraging	N/A	N/A
P04088	Breeding	VP10	13/04/2023	16:45	3	N/A	Display	D	Probable
P05891	Non-breeding	VP10	05/03/2024	13:05	1	N/A	Foraging	N/A	N/A
P06135	Breeding	VP10	07/05/2024	05:10	3	N/A	Foraging	H	Possible
P06124	Breeding	VP6	04/07/2024	07:40	1	N/A	Foraging	N/A	N/A
P06129	Breeding	VP10	01/08/2024	07:55	1	N/A	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P00012	Breeding	N/A	19/05/2021	2	N/A	H	Possible
P00021	Breeding	N/A	19/05/2021	1	N/A	H	Possible
P00865	Breeding	53.6665599, -7.8859379	19/05/2021	2	Occ terr	H	Possible

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P00874	Breeding	53.6932033, -7.9679042	19/05/2021	1	occ terr	H	Possible
P00002	Breeding	N/A	21/05/2021	2	N/A	H	Possible
P00008	Breeding	N/A	21/05/2021	2	N/A	H	Possible
P00855	Breeding	53.6577184, -7.8971227	21/05/2021	2	Occ terr	H	Possible
P00861	Breeding	53.6577184, -7.8971227	21/05/2021	2	Occ terr	H	Possible
P00024	Breeding	N/A	01/06/2021	1	N/A	H	Possible
P00877	Breeding	53.6932033, -7.9679042	01/06/2021	1	occ terr	H	Possible
P00033	Breeding	N/A	03/06/2021	2	N/A	H	Possible
P00886	Breeding	53.6577184, -7.8971227	03/06/2021	2	Occ terr	H	Possible
P00039	Breeding	N/A	16/06/2021	1	N/A	H	Possible
P00892	Breeding	53.6932033, -7.9679042	16/06/2021	1	occ terr	H	Possible
P00041	Breeding	N/A	17/06/2021	2	N/A	H	Possible
P00894	Breeding	53.6577184, -7.8971227	17/06/2021	2	occ terr	H	Possible
P01567	Breeding	Site NW of T13	06/07/2022	1	Suitable nesting habitat, foraging on bog.	H	Possible
P04172	Breeding	Gortgallan Bog	14/04/2023	4	Foraging 2 pairs	H	Possible
P04360	Breeding	Gortgallan Bog	03/05/2023	2	Pair foraging	P	Probable
P06787	Non-breeding	Gortgallan Bog	07/03/2024	3	Roosting	N/A	N/A
P06807	Non-breeding	Rhynmount	08/03/2024	1	Foraging	N/A	N/A
P04951	Breeding	Ref No:8	15/04/2024	3	Territorial display, on suitable breeding ground. Pair plus 1	D	Probable
P05103	Breeding	Ref No:5	10/05/2024	3	Foraging	N/A	N/A
P05353	Breeding	2km buffer	18/06/2024	2	Pair of Ringed Plover on bog	P	Probable
P05466	Breeding	Ref No:5	03/07/2024	4	Foraging adults with 2 chicks.	FL	Confirmed

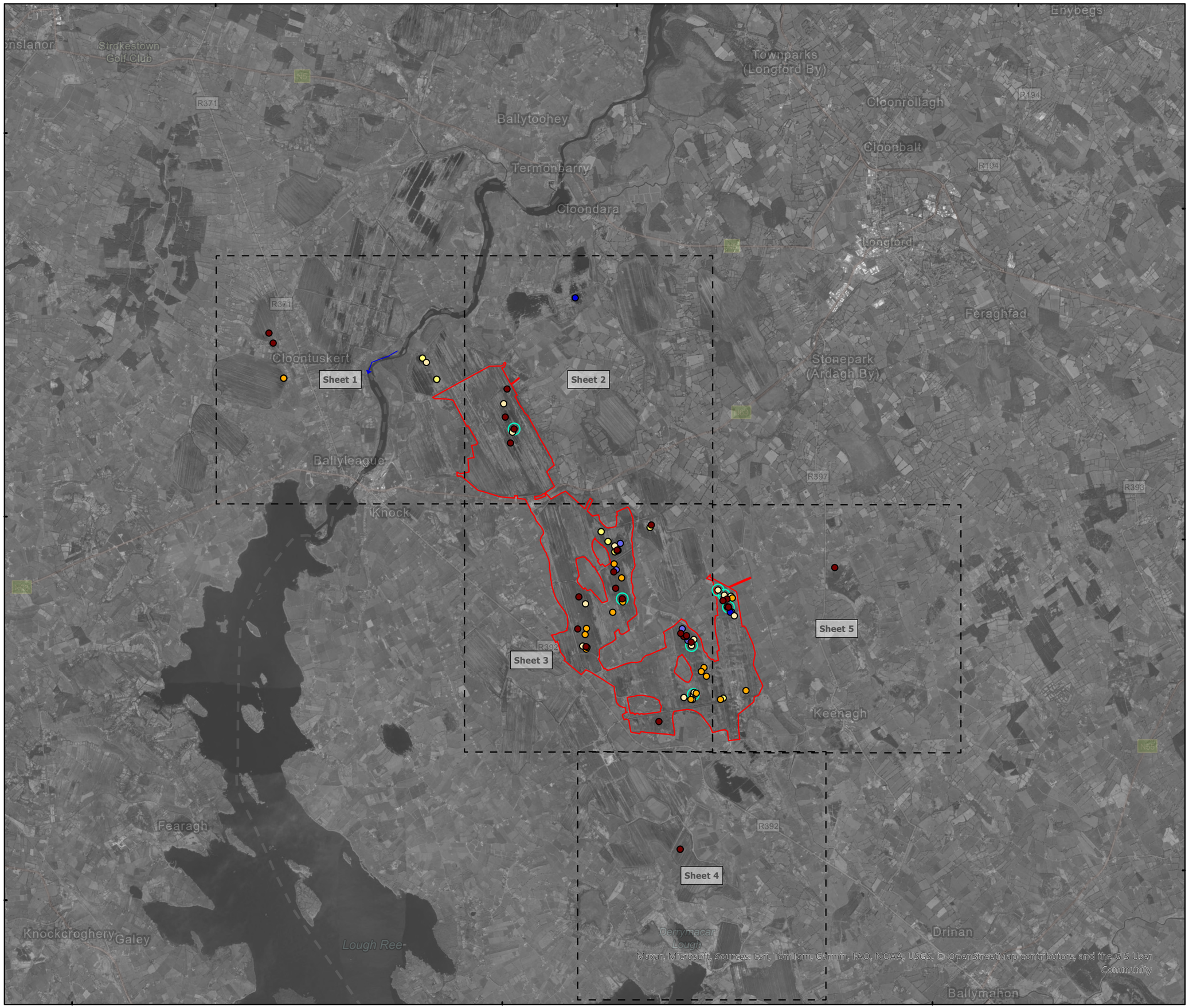
I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05475	Breeding	Ref No:10	05/07/2024	1	Alarm Call display, on suitable breeding ground	A	Probable
P05524	Breeding	2km buffer	24/07/2024	2	Pair of Ringed Plover on bog	N/A	N/A
P05606	Breeding	Ref No:5	08/08/2024	2	Foraging adults	N/A	N/A
P05617	Breeding	Ref No:10	09/08/2024	1	Foraging Adults	N/A	N/A
P05789	Breeding	2km buffer	03/09/2024	2	2 juvenile Ringed Plovers on wetland area	N/A	N/A

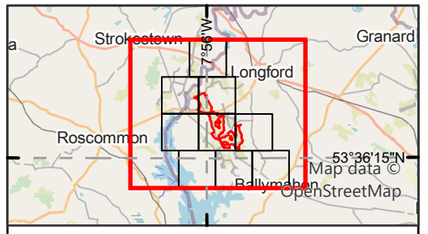
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00067	Breeding	T4	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00097	Breeding	T11	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00106	Breeding	T11	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00118	Breeding	T18	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00203	Breeding	T11	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P01228	Breeding	T18	10/05/2022	N/A	1	PB4	Foraging.	N/A	N/A
P01231	Breeding	T13	10/05/2022	N/A	1	PB4	Foraging.	N/A	N/A
P01238	Breeding	T17	11/05/2022	N/A	1	PB4	Foraging.	N/A	N/A
P01250	Breeding	T11	12/05/2022	N/A	1	PB4	Foraging.	N/A	N/A
P01182	Breeding	T4	17/05/2022	08:02	1	pb4	H	H	Possible
P01394	Breeding	T17	09/06/2022	N/A	2	PB4	Alarm calling	A	Probable
P01411	Breeding	T11	10/06/2022	N/A	1	PB4	Alarm calling	A	Probable
P01425	Breeding	T10	14/06/2022	N/A	2	PB4	Alarm calling	A	Probable
P01431	Breeding	T10	14/06/2022	N/A	1	PB4	Alarm calling	A	Probable
P01549	Breeding	T17	12/07/2022	N/A	4	PB4	Foraging	FL	Confirmed
P03525	Non-breeding	T17	09/02/2023	10:20	3	PB4	Roosting	N/A	N/A
P03644	Non-breeding	T12	15/02/2023	10:10	3	PB4	Foraging	N/A	N/A
P03854	Non-breeding	T17	14/03/2023	10:25	2	PB4	Roosting	N/A	N/A
P04251	Breeding	T11	13/04/2023	16:42	2	PB4	N/A	A	Probable

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04266	Breeding	T12	25/04/2023	12:50	2	PB4	N/A	P	Probable
P04271	Breeding	T13	26/04/2023	11:26	2	PB4	N/A	P	Probable
P04292	Breeding	T17	28/04/2023	09:15	2	PB4	N/A	P	Probable
P04294	Breeding	T18	28/04/2023	09:55	4	PB4	N/A	P	Probable
P04405	Breeding	T12	25/05/2023	15:01	2	PB4	N/A	P	Probable
P04435	Breeding	T18	27/05/2023	09:31	2	PB4	N/A	P	Probable
P04436	Breeding	T17	27/05/2023	12:31	2	PB4	N/A	P	Probable
P04441	Breeding	T13	30/05/2023	11:22	2	PB4	N/A	P	Probable
P04538	Breeding	T13	15/06/2023	16:15	1	PB4	N/A	H	Possible
P04556	Breeding	T18	27/06/2023	12:10	1	PB4	N/A	H	Possible
P04566	Breeding	T12	28/06/2023	11:02	1	PB4	N/A	H	Possible
P04570	Breeding	T17	29/06/2023	11:22	2	PB4	N/A	P	Probable
P04638	Breeding	T12	12/07/2023	15:58	2	PB4	N/A	P	Probable
P04680	Breeding	T13	28/07/2023	15:15	1	PB4	N/A	N/A	N/A
P05012	Breeding	Transect 17	09/04/2024	14:15	2	pb4	N/A	P	Probable
P05013	Breeding	Transect 17	09/04/2024	14:22	2	pb4	N/A	P	Probable
P05037	Breeding	Transect 10	10/04/2024	16:05	2	pb4	N/A	P	Probable
P05144	Breeding	T11	11/05/2024	16:02	1	pb4	N/A	H	Possible
P05173	Breeding	T12	14/05/2024	17:00	3	pb4	N/A	FL	Confirmed
P05176	Breeding	T12	14/05/2024	17:50	1	pb4	N/A	S	Possible
P05364	Breeding	T13	20/06/2024	11:30	4	PB4	N/A	N/A	N/A
P05371	Breeding	T17	21/06/2024	10:55	2	PB4	N/A	P	Probable
P05373	Breeding	T17	21/06/2024	11:10	2	PB4	N/A	P	Probable
P05379	Breeding	T12	24/06/2024	15:37	2	PB4	N/A	P	Probable
P05381	Breeding	T12	24/06/2024	15:50	2	PB4	N/A	P	Probable
P05394	Breeding	T10	25/06/2024	11:53	2	PB4	N/A	FL	Confirmed
P05423	Breeding	T20	01/07/2024	12:10	1	PB4	N/A	A	Probable
P05552	Breeding	T13	30/07/2024	11:52	2	PB4	N/A	H	Possible
P05644	Breeding	T10	07/08/2024	14:09	2	PB4	N/A	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P04062	Non-breeding	03/03/2023	1	N/A	N/A

8°2'40"W
7°53'50"W
7°45'0"W
53°45'0"N
53°40'0"N
53°35'0"N
776000
768000
760000
593600
604000
614400





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-23/24

*should be read with data in Appendix 8.3

0 2 4
Kilometres

NOTES

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Common Ringed Plover
Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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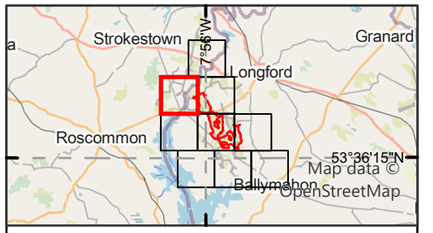
Map Ref: 11399-012.ApX-SUM-RP-TOB-A

Draft: A

8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-23/24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Ringed Plover
Sheet 1 of 5

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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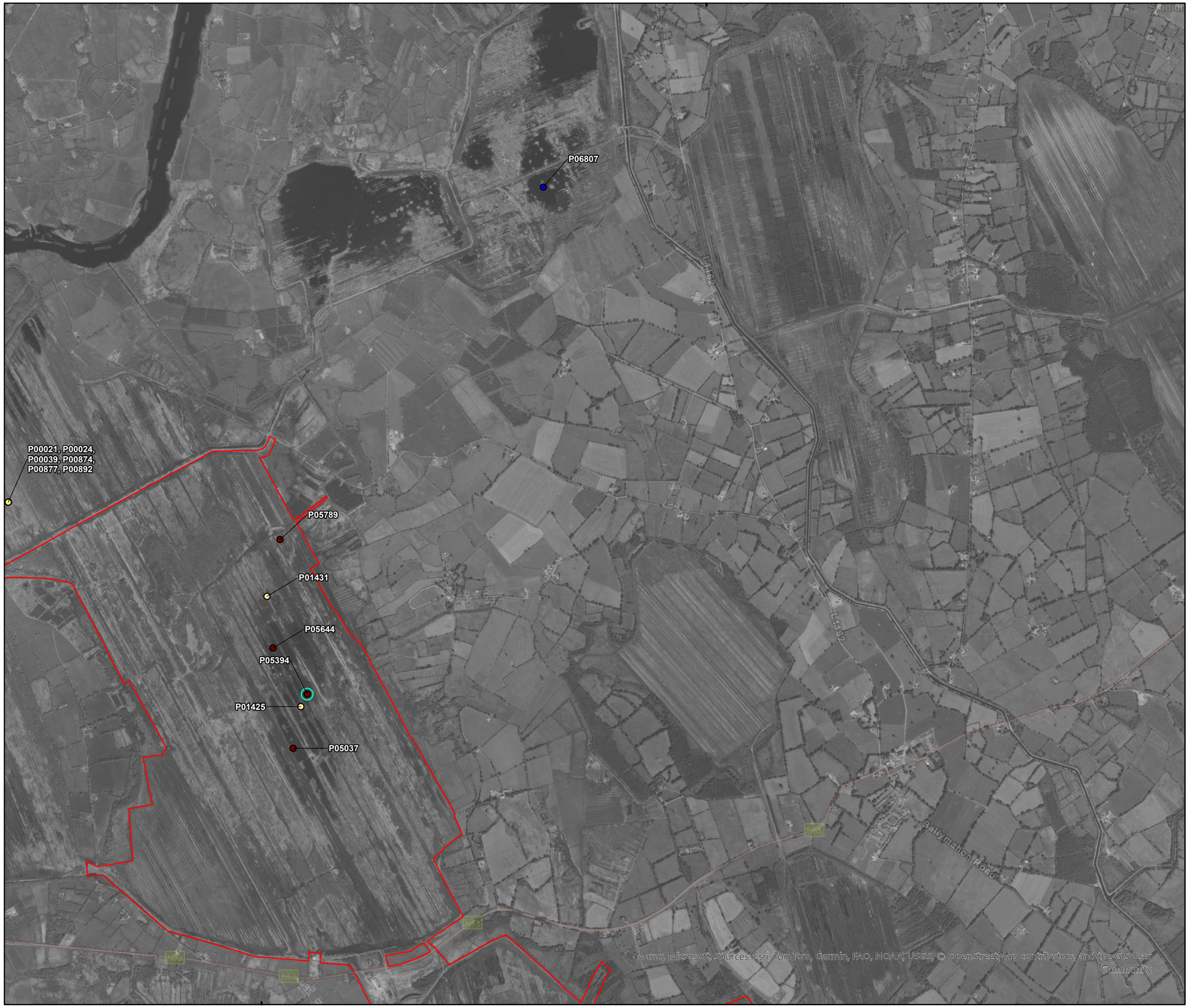
Map Ref: 11399-012.ApX-SUM-RP-TOB-A

Draft: A

7°53'50"W



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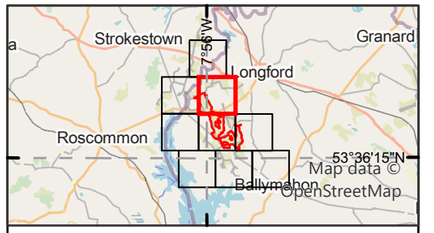

Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Ringed Plover
Sheet 2 of 5

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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Map Ref: 11399-012.ApX-SUM-RP-TOB-A

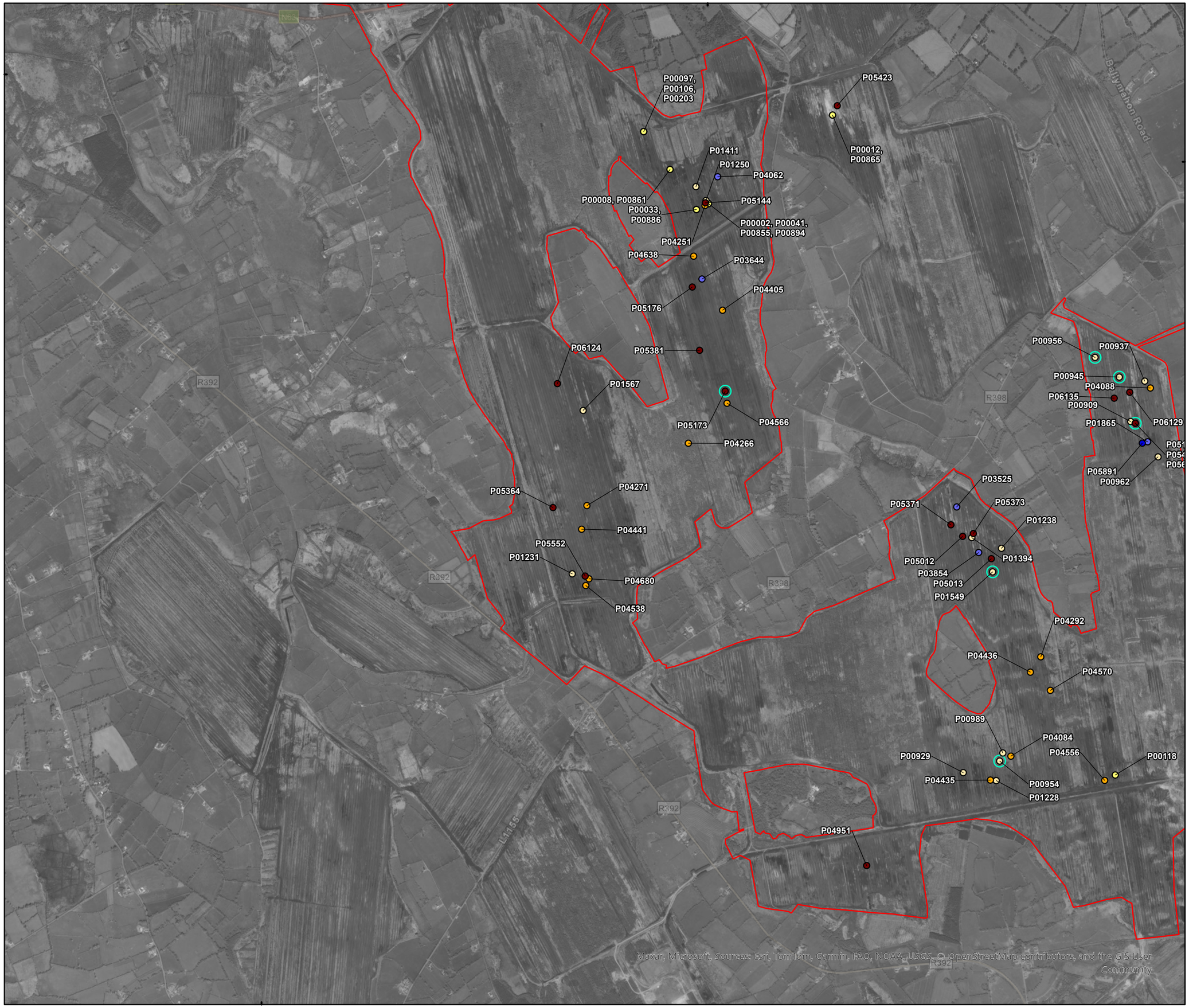
Draft: A

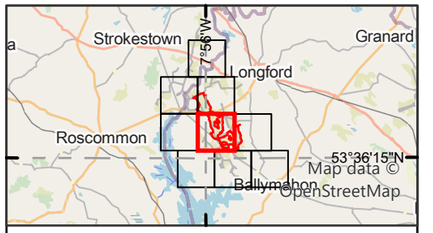
7°53'50"W

53°40'0"N

768000

604000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Ringed Plover
Sheet 3 of 5

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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Map Ref: 11399-012.ApX-SUM-RP-TOB-A

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7°53'50"W

53°35'0"N

760000

R392

L5236

Estate Road

Fas Road

Derrymacar Lough

P05475, P05617

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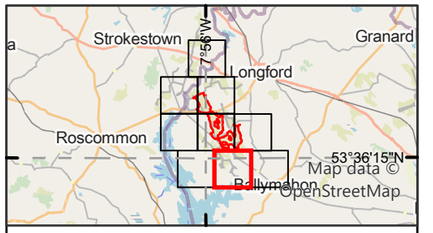

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

Breeding-24

*should be read with data in Appendix 8.3

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Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Ringed Plover
Sheet 4 of 5

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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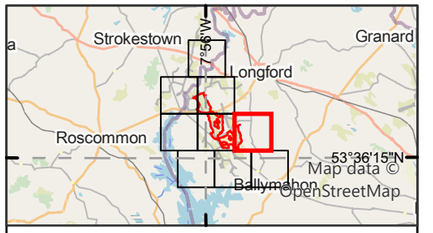

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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A	06/05/2025	First issue	S.P	I.H

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Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Ringed Plover
Sheet 5 of 5

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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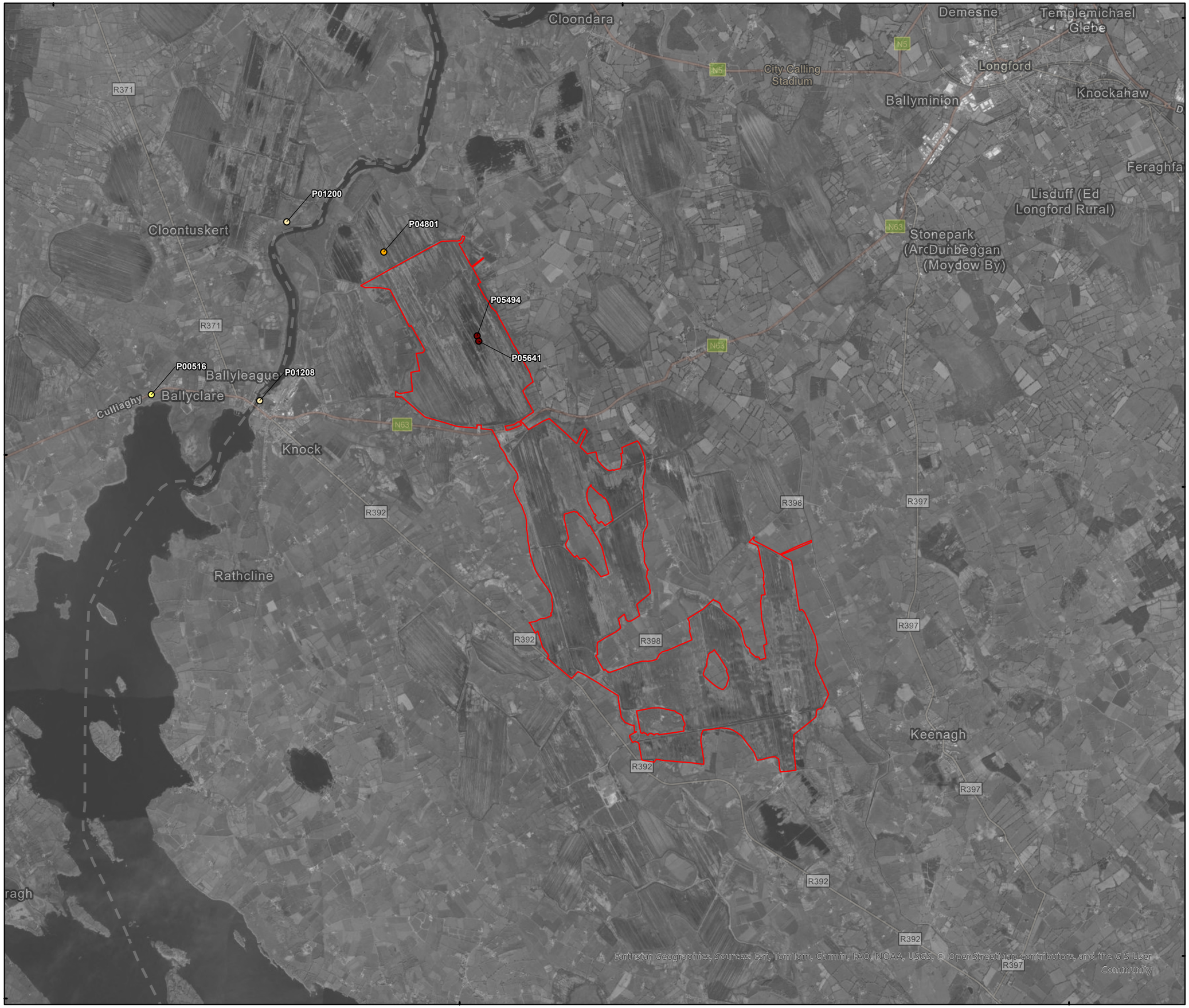
Appendix 8.3m COMMON SANDPIPER

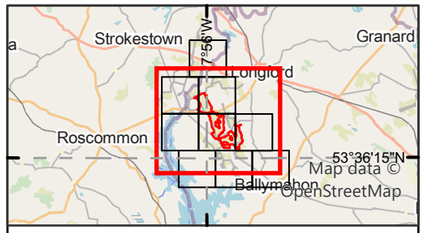
I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01200	Breeding	VP Number 10	17/05/2022	1	Common Sandpiper at edge of river	H	Possible
P01208	Breeding	VP Number 7	17/05/2022	1	Common Sandpiper at edge of river	H	Possible

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04801	Breeding	T5	25/09/2023	12:35	3	PB4	N/A	N/A	N/A
P05494	Breeding	T10	22/07/2024	15:52	1	PB4	N/A	N/A	N/A
P05641	Breeding	T10	07/08/2024	13:55	1	PB4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00516	Breeding	HHVP8	14/08/2021	1	N/A	N/A



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



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

0 1 2
Kilometres

NOTES

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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Sandpiper
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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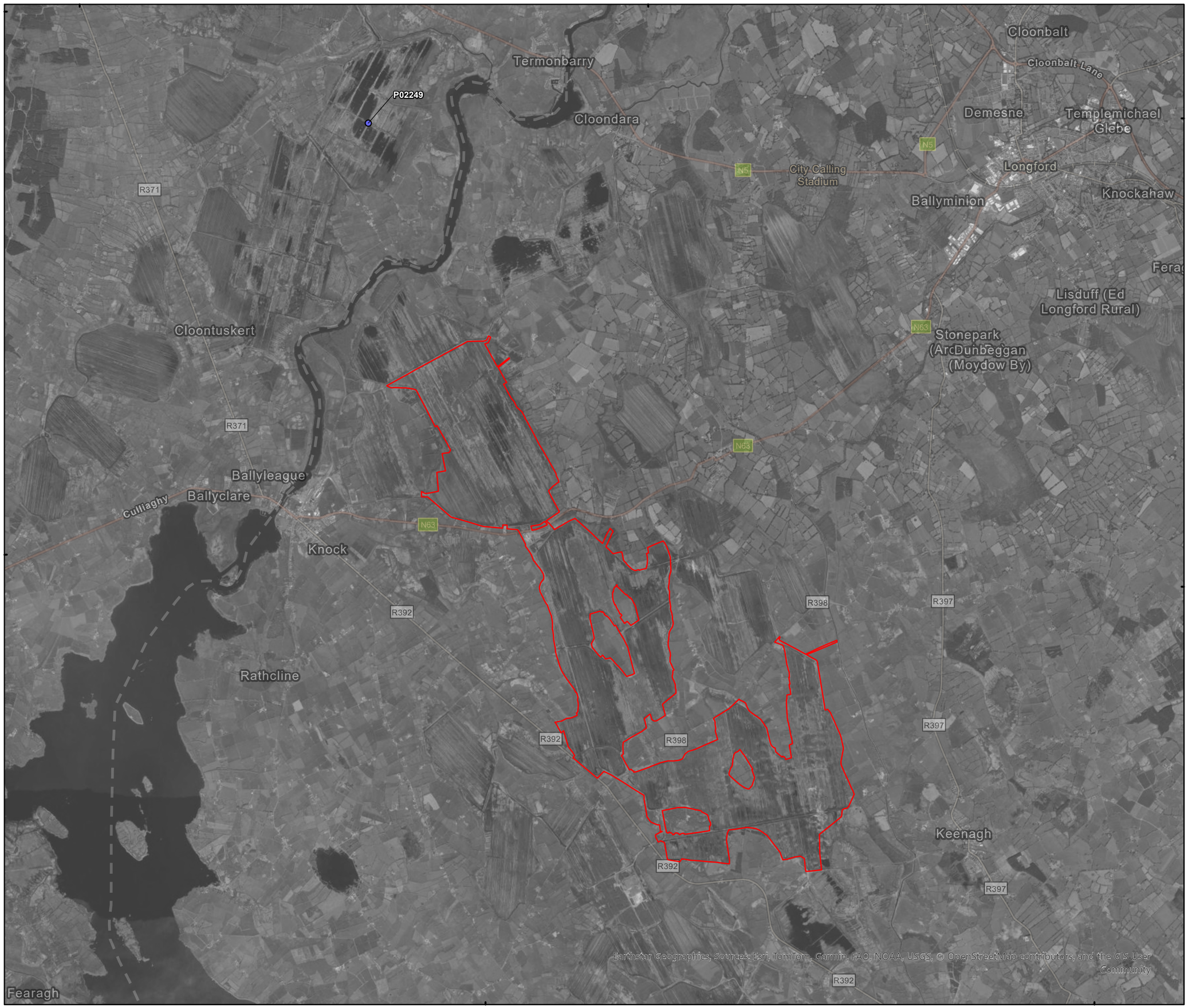
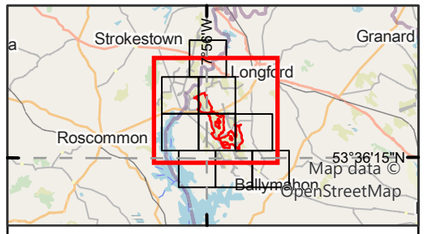
Map Ref: 11399-013.ApX-SUM-CS-TOB-A

Draft: A

Appendix 8.3n COMMON SHELDUCK

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02249	Non-breeding	Derrycashel Bog	10/02/2023	1	Swimming on wetland.	N/A	N/A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

Non-breeding-22/23

0 1 2
Kilometres

NOTES

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A	16/04/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Common Shelduck
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
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Draft: A

Appendix 8.3o COMMON SNIPE

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP3	02/06/2021	15:55	2	34	59	62	0	0
Breeding	VP5	16/06/2021	18:34	1	0	66	0	0	0
Breeding	VP6	17/06/2021	12:02	1	20	52	0	0	0
Breeding	VP6	17/06/2021	12:24	1	0	113	114	0	0
Breeding	VP6	17/06/2021	14:55	1	15	68	0	0	0
Breeding	VP3	05/07/2021	09:44	1	7	27	163	0	0
Breeding	VP3	05/07/2021	10:00	1	14	22	63	0	0
Breeding	VP1	06/07/2021	09:19	1	11	45	55	0	0
Breeding	VP1	06/07/2021	09:49	1	22	23	52	0	0
Breeding	VP1	06/07/2021	11:47	1	12	56	0	0	0
Breeding	VP1	06/07/2021	13:46	1	6	80	0	0	0
Breeding	VP3	06/07/2021	09:12	2	17	25	180	0	0
Breeding	VP3	06/07/2021	11:15	2	15	15	43	0	0
Breeding	VP5	06/07/2021	17:23	1	0	0	116	0	0
Breeding	VP5	09/07/2021	19:36	1	8	42	0	0	0
Breeding	VP3	29/07/2021	17:59	1	6	6	168	0	0
Breeding	VP4	30/07/2021	12:59	1	3	0	0	0	0
Breeding	VP3	02/09/2021	10:22	2	0	0	190	0	0
Breeding	VP4	07/09/2021	12:40	1	19	0	0	0	0
Breeding	VP4	07/09/2021	13:36	1	0	0	61	0	0
Breeding	VP4	07/09/2021	16:31	2	11	19	0	0	0
Breeding	VP4	07/09/2021	16:47	1	5	0	0	0	0
Breeding	VP8	07/09/2021	09:35	1	8	7	0	0	0
Breeding	VP5	20/09/2021	16:47	1	17	16	0	0	0
Breeding	VP4	23/09/2021	10:50	1	21	20	0	0	0
Breeding	VP4	23/09/2021	13:13	1	15	0	0	0	0
Breeding	VP4	23/09/2021	14:24	1	19	10	0	0	0
Breeding	VP8	24/09/2021	10:14	1	21	10	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP8	24/09/2021	14:46	1	18	31	0	0	0
Non-breeding	VP4	02/10/2021	10:43	1	15	0	0	0	0
Non-breeding	VP5	02/10/2021	17:18	1	15	14	0	0	0
Non-breeding	VP9	02/11/2021	08:40	1	12	0	0	0	0
Non-breeding	VP10	18/11/2021	11:05	1	5	0	0	0	0
Non-breeding	VP2	23/11/2021	12:39	1	0	0	32	0	0
Non-breeding	VP7	15/12/2021	14:15	7	5	0	0	0	0
Non-breeding	VP6	16/12/2021	10:44	2	4	0	0	0	0
Non-breeding	VP2	03/02/2022	11:24	2	5	10	0	0	0
Non-breeding	VP2	03/02/2022	14:24	1	0	20	0	0	0
Non-breeding	VP4	28/02/2022	12:09	15	0	30	0	0	0
Breeding	VP9	05/07/2022	10:40	1	0	285	310	0	0
Breeding	VP9	05/07/2022	10:45	2	30	0	0	0	0
Breeding	VP9	05/07/2022	11:05	1	0	210	235	0	0
Breeding	VP9	05/07/2022	11:45	1	0	180	210	50	0
Breeding	VP9	05/07/2022	14:45	1	10	25	245	40	0
Non-breeding	VP2	18/11/2022	10:22	6	0	0	0	0	0
Non-breeding	VP 1	16/12/2022	09:35	1	4	0	0	0	0
Non-breeding	VP 1	16/12/2022	09:40	1	3	0	0	0	0
Non-breeding	VP 1	16/12/2022	10:59	1	3	0	0	0	0
Non-breeding	VP1	16/12/2022	15:00	2	5	0	0	0	0
Non-breeding	VP2	21/12/2022	11:37	1	3	0	0	0	0
Non-breeding	VP2	13/01/2023	09:45	1	3	0	0	0	0
Non-breeding	VP2	13/01/2023	13:30	1	3	0	0	0	0
Non-breeding	VP4	13/02/2023	15:25	1	5	0	0	0	0
Non-breeding	VP1	07/03/2023	09:25	1	2	0	0	0	0
Non-breeding	VP1	03/10/2023	14:15	1	5	0	0	0	0
Non-breeding	VP7	04/10/2023	09:50	1	0	0	30	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP2	08/11/2023	11:41	1	4	0	0	0	0
Non-breeding	VP4	12/11/2023	10:42	1	4	1	0	0	0
Non-breeding	VP4	12/11/2023	10:52	1	4	0	0	0	0
Non-breeding	VP9	11/01/2024	16:08	2	0	30	0	0	0
Non-breeding	VP2	12/01/2024	10:02	1	3	0	0	0	0
Non-breeding	VP1	16/01/2024	10:20	3	5	0	0	0	0
Breeding	VP2	23/06/2024	14:36	1	4	3	0	0	0
Breeding	VP8	09/09/2024	11:10	5	5	5	20	0	0
Breeding	VP2	22/09/2024	15:01	1	5	0	0	0	0
Breeding	VP4	24/09/2024	11:25	1	3	8	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00904	Breeding	VP9	11/04/2022	13:31	1	N/A	Flushed.	N/A	N/A
P00930	Breeding	VP9	11/05/2022	16:04	1	PB4	Calling	S	Possible
P00955	Breeding	VP9	05/07/2022	12:01	1	PB4	Display	D	Probable
P01000	Breeding	VP2	08/09/2022	09:21	1	PB4	N/A	N/A	N/A
P04129	Breeding	VP9	29/06/2023	08:05	1	N/A	in suitable habitat	H	Possible
P06140	Breeding	VP6	08/05/2024	05:55	1	N/A	Singing	S	Possible
P06098	Breeding	VP9	15/05/2024	05:20	1	PB4	Drumming	S	Possible
P06113	Breeding	VP6	06/06/2024	07:35	1	N/A	Drumming	D	Probable

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P00016	Breeding	N/A	19/05/2021	3	N/A	H	Possible
P00017	Breeding	N/A	19/05/2021	2	N/A	H	Possible

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P00018	Breeding	N/A	19/05/2021	1	N/A	H	Possible
P00019	Breeding	N/A	19/05/2021	1	N/A	H	Possible
P00869	Breeding	53.6665599, -7.8859379	19/05/2021	3	occ terr	H	Possible
P00870	Breeding	53.6932033, -7.9679042	19/05/2021	2	occ terr	H	Possible
P00871	Breeding	53.6932033, -7.9679042	19/05/2021	1	occ terr	H	Possible
P00872	Breeding	53.6932033, -7.9679042	19/05/2021	1	occ terr	H	Possible
P00010	Breeding	N/A	21/05/2021	1	N/A	D	Probable
P00863	Breeding	53.6277951, -7.89372464	21/05/2021	1	Occ terr, drumming	D	Probable
P00026	Breeding	N/A	01/06/2021	1	N/A	D	Probable
P00027	Breeding	N/A	01/06/2021	1	N/A	D	Probable
P00028	Breeding	N/A	01/06/2021	1	N/A	D	Probable
P00032	Breeding	N/A	01/06/2021	1	N/A	D	Probable
P00879	Breeding	53.6932033, -7.9679042	01/06/2021	1	occ terr. Drumming	D	Probable
P00880	Breeding	53.6932033, -7.9679042	01/06/2021	1	occ terr. Drumming	D	Probable
P00881	Breeding	53.6932033, -7.9679042	01/06/2021	1	occ terr. Drumming	D	Probable
P00885	Breeding	53.6277951, -7.89372464	01/06/2021	1	occ terr. Drumming.	D	Probable
P00035	Breeding	N/A	03/06/2021	1	N/A	H	Possible
P00888	Breeding	53.6577184, -7.8971227	03/06/2021	1	occ terr	H	Possible
P00038	Breeding	N/A	16/06/2021	2	N/A	H	Possible
P00891	Breeding	53.6932033, -7.9679042	16/06/2021	2	occ terr	H	Possible
P00044	Breeding	N/A	17/06/2021	1	N/A	H	Possible
P00048	Breeding	N/A	17/06/2021	1	N/A	D	Probable

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P00897	Breeding	53.6577184, -7.8971227	17/06/2021	1	occ terr	H	Possible
P00901	Breeding	53.6277951, -7.89372464	17/06/2021	1	Drumming. Occ terr	D	Probable
P00050	Breeding	N/A	18/06/2021	2	N/A	H	Possible
P00903	Breeding	53.6665599, -7.8859379	18/06/2021	2	occ terr	H	Possible
P01473	Breeding	Rhynmount Bog.	14/06/2022	1	Drumming, 1 flushed from cover.	D	Probable
P01899	Non-breeding	Rhynmount Bog	12/10/2022	3	Flushed from cover.	N/A	N/A
P01968	Non-breeding	Rhynmount Bog	16/11/2022	4	Flushed from cover.	N/A	N/A
P01979	Non-breeding	Derrycashel Bog	16/11/2022	17	Flushed from cover.	N/A	N/A
P01991	Non-breeding	Ref No 18	17/11/2022	1	Flushed from cover.	N/A	N/A
P02060	Non-breeding	Rhynmount Bog	08/12/2022	4	Flushed from cover.	N/A	N/A
P02076	Non-breeding	Derrycashel Bog	08/12/2022	12	Flushed from cover.	N/A	N/A
P02088	Non-breeding	Ref No 17	12/12/2022	1	Flushed from cover.	N/A	N/A
P02097	Non-breeding	Site 4, Turlough at LeTergullion	17/12/2022	4	Flew from side or frozen turlough	N/A	N/A
P02099	Non-breeding	Site 4, Turlough at LeTergullion	17/12/2022	2	Rose from side of turlough, called and disappered in field to the east	N/A	N/A
P02104	Non-breeding	Site 23, Ballyduff, Stewart Family farm	17/12/2022	1	Rose up from field, called and settled nearby	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02206	Non-breeding	Derrycashel Bog	23/01/2023	1	Flushed from cover.	N/A	N/A
P04478	Breeding	Onsite	02/06/2023	3	Male calling	S	Possible
P04601	Breeding	Onsite	07/07/2023	1	Flushed from cover.	N/A	N/A
P06375	Non-breeding	Ref No: 10	10/10/2023	4	Flushed from cover	N/A	N/A
P06403	Non-breeding	Onsite	11/10/2023	1	Flushed from cover	N/A	N/A
P06507	Non-breeding	Gortgallan Bog	11/12/2023	6	Roosting	N/A	N/A
P06516	Non-breeding	Ref No: 17	11/12/2023	1	Flushed from cover.	N/A	N/A
P06587	Non-breeding	N/A	21/12/2023	3	3 Snipe flushed from bog	N/A	N/A
P06623	Non-breeding	Ref No: 17	12/01/2024	2	N/A	N/A	N/A
P06726	Non-breeding	Southern half of site	19/02/2024	2	2 Snipe flushed from bog.	N/A	N/A
P06793	Non-breeding	Derrycashel Bog	07/03/2024	2	Calling	N/A	N/A
P04944	Breeding	Ref No:3	08/04/2024	2	Flushed from cover.	N/A	N/A
P04950	Breeding	Ref No:8	15/04/2024	1	Flushed from cover.	N/A	N/A
P04975	Breeding	2 km North of site	18/04/2024	2	2 Snipe flushed from bog	H	Possible
P04976	Breeding	2 km North of site	18/04/2024	1	Snipe flushed from bog	H	Possible
P05100	Breeding	Ref No:3	10/05/2024	1	Flushed from cover.	N/A	N/A
P05106	Breeding	Ref No:5	10/05/2024	1	Flushed from cover.	N/A	N/A
P05107	Breeding	Ref No:6	10/05/2024	1	Flushed from cover.	N/A	N/A
P05110	Breeding	Ref No:8	10/05/2024	1	Flushed from cover.	N/A	N/A
P05121	Breeding	Ref No:11	13/05/2024	1	Signing Male.	S	Possible
P05157	Breeding	2Km Buffer	14/05/2024	1	Snipe flushed from bog	N/A	N/A
P05163	Breeding	2Km Buffer	14/05/2024	1	Snipe flushed from wetland	N/A	N/A
P05288	Breeding	Ref No:2	07/06/2024	1	Signing Male.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05307	Breeding	Ref No:11	11/06/2024	2	Female Alarm Call display, on suitable breeding ground	A	Probable
P05377	Breeding	2KM buffer	24/06/2024	2	2 Snipe flushed from wetland.	N/A	N/A
P05462	Breeding	Ref No:2	03/07/2024	1	Flushed from cover.	N/A	N/A
P05516	Breeding	2km buffer	24/07/2024	1	Snipe took flight from wetland area of bog	N/A	N/A
P05547	Breeding	2KM Buffer	30/07/2024	2	2 Snipe took flight from wetland.	N/A	N/A
P05600	Breeding	Ref No:2	08/08/2024	1	Flushed from cover.	N/A	N/A
P05608	Breeding	Ref No:6	08/08/2024	1	Flushed from cover.	N/A	N/A
P05611	Breeding	Ref No:7	08/08/2024	2	Flushed from cover.	N/A	N/A
P05620	Breeding	Ref No:11	09/08/2024	2	Flushed from cover.	N/A	N/A
P05670	Breeding	2 Km buffer	20/08/2024	1	Snipe took flight from wetland	N/A	N/A
P05762	Breeding	Ref No:6	02/09/2024	3	Flushed from cover.	N/A	N/A
P05766	Breeding	Ref No:7	02/09/2024	2	Flushed from cover.	N/A	N/A
P05790	Breeding	2km buffer	03/09/2024	1	Snipe flushed from wetland	N/A	N/A
P05812	Breeding	2km buffer	04/09/2024	1	Snipe flushed from wet grassland/bog.	N/A	N/A
P05768	Breeding	Ref No:9	06/09/2024	2	Flushed from cover.	N/A	N/A
P05773	Breeding	Ref No:10	06/09/2024	1	Flushed from cover.	N/A	N/A
P05775	Breeding	Ref No:11	06/09/2024	2	Flushed from cover.	N/A	N/A
P05847	Breeding	2km buffer	16/09/2024	2	2 Snipe took flight from wetland	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00053	Breeding	T1	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00112	Breeding	T14	13/05/2021	N/A	1	N/A	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00144	Breeding	T3	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00147	Breeding	T3	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00166	Breeding	T5	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00169	Breeding	T5	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00181	Breeding	T9	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00185	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00187	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00198	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00201	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00223	Breeding	T16	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00236	Breeding	T19	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00239	Breeding	T20	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P01136	Breeding	T2	12/04/2022	07:38	2	gs4	H	H	Possible
P01139	Breeding	T2	12/04/2022	07:48	1	gs4	H	H	Possible
P01140	Breeding	T2	12/04/2022	07:50	1	gs4	H	H	Possible
P01148	Breeding	T4	12/04/2022	09:36	3	pb4	H	H	Possible
P01026	Breeding	T18	19/04/2022	N/A	1	PB4	Flushed from cover	N/A	N/A
P01050	Breeding	T7	21/04/2022	N/A	1	PB4	Flushed from cover	H	Possible
P01052	Breeding	T7	21/04/2022	N/A	1	PB4	Flushed from cover	H	Possible
P01065	Breeding	T9	22/04/2022	N/A	2	PB4	Courtship and display	D	Probable
P01069	Breeding	T3	22/04/2022	N/A	1	GM1	Male singing	S	Possible
P01244	Breeding	T20	11/05/2022	N/A	1	PB4	Male calling.	S	Possible
P01260	Breeding	T10	13/05/2022	N/A	1	PB4	Flushed.	N/A	N/A
P01271	Breeding	T9	13/05/2022	N/A	2	PB4	Flushed.	N/A	N/A
P01273	Breeding	T9	13/05/2022	N/A	1	PB4	Male calling.	S	Possible
P01186	Breeding	T4	17/05/2022	08:20	2	pb4	N/A	N/A	N/A
P01188	Breeding	T4	17/05/2022	08:27	1	pb4	N/A	N/A	N/A
P01191	Breeding	T2	17/05/2022	N/A	1	GS4	H	H	Possible
P01194	Breeding	T2	17/05/2022	N/A	1	GS4	H	H	Possible
P01279	Breeding	T3	19/05/2022	N/A	1	GM1	Male calling.	S	Possible
P01290	Breeding	T7	19/05/2022	N/A	1	PB4	Display.	D	Probable

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01347	Breeding	T1	09/06/2022	10:18	1	pb4	N/A	H	Possible
P01400	Breeding	T20	09/06/2022	N/A	3	PB4	Displaying.	D	Probable
P01424	Breeding	T10	14/06/2022	N/A	1	PB4	Displaying.	D	Probable
P01432	Breeding	T10	14/06/2022	N/A	1	PB4	Displaying.	D	Probable
P01435	Breeding	T9	14/06/2022	N/A	1	PB4	Male calling.	S	Possible
P01450	Breeding	T18	20/06/2022	N/A	1	PB4	Displaying.	D	Probable
P01515	Breeding	T11	07/07/2022	N/A	4	PB4	Display	D	Probable
P01531	Breeding	T10	11/07/2022	N/A	1	PB4	Display	D	Probable
P01535	Breeding	T10	11/07/2022	N/A	2	PB4	Flushed	N/A	N/A
P01536	Breeding	T10	11/07/2022	N/A	2	PB4	Flushed	N/A	N/A
P01541	Breeding	T10	11/07/2022	N/A	1	PB4	Display	D	Probable
P01656	Breeding	T11	09/08/2022	N/A	5	PB4	Flushed	N/A	N/A
P01670	Breeding	T10	10/08/2022	N/A	6	PB4	Flushed	N/A	N/A
P01673	Breeding	T10	10/08/2022	N/A	3	PB4	Flushed	N/A	N/A
P01685	Breeding	T17	17/08/2022	N/A	1	PB4	Flushed	N/A	N/A
P01749	Breeding	T13	08/09/2022	N/A	1	PB4	Flushed	N/A	N/A
P01758	Breeding	T11	12/09/2022	N/A	2	PB4	Flushed	N/A	N/A
P01765	Breeding	T20	12/09/2022	N/A	1	PB4	Flushed	N/A	N/A
P01769	Breeding	T20	12/09/2022	N/A	1	PB4	Flushed	N/A	N/A
P01773	Breeding	T10	13/09/2022	N/A	3	PB4	Flushed	N/A	N/A
P01785	Breeding	T7	26/09/2022	N/A	1	PB4	Flushed	N/A	N/A
P01786	Breeding	T7	26/09/2022	N/A	1	PB4	Flushed	N/A	N/A
P01787	Breeding	T7	26/09/2022	N/A	1	PB4	Flushed	N/A	N/A
P01732	Breeding	Transect 4	27/09/2022	09:41	1	pb4	h	N/A	N/A
P01738	Breeding	Transect 2	29/09/2022	12:03	1	ga1	h	N/A	N/A
P02548	Non-breeding	T15	04/10/2022	12:20	1	PB4	Flushed.	N/A	N/A
P02596	Non-breeding	T20	05/10/2022	12:15	2	PB4	Flushed	N/A	N/A
P02600	Non-breeding	T20	05/10/2022	12:50	4	PB4	Flushed	N/A	N/A
P02799	Non-breeding	T14	03/11/2022	08:20	4	PB4	Flushed.	N/A	N/A
P02815	Non-breeding	T15	03/11/2022	09:30	2	PB4	Flushed.	N/A	N/A
P02848	Non-breeding	T20	07/11/2022	07:45	1	PB4	Flushed.	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P02849	Non-breeding	T20	07/11/2022	07:55	1	PB4	Flushed.	N/A	N/A
P02850	Non-breeding	T20	07/11/2022	08:25	1	PB4	Flushed.	N/A	N/A
P02899	Non-breeding	T21	08/11/2022	09:40	1	PB4	Flushed.	N/A	N/A
P02948	Non-breeding	T18	15/11/2022	08:20	1	PB4	Flushed.	N/A	N/A
P02982	Non-breeding	T14	02/12/2022	08:10	1	PB4	Flushed	N/A	N/A
P02996	Non-breeding	T15	02/12/2022	09:20	2	PB4	Flushed	N/A	N/A
P03032	Non-breeding	T17	08/12/2022	08:55	1	PB4	Flushed	N/A	N/A
P03050	Non-breeding	T20	08/12/2022	09:35	2	PB4	Flushed	N/A	N/A
P03072	Non-breeding	T4	09/12/2022	N/A	2	WS1	Flying, Calling	N/A	N/A
P03148	Non-breeding	T2	16/12/2022	N/A	1	WS1	Flushed from scrub near bog	N/A	N/A
P03205	Non-breeding	T10	26/12/2022	N/A	2	WS1	On Ground, Flying	N/A	N/A
P03222	Non-breeding	T4	03/01/2023	N/A	1	FL1	Flushed	N/A	N/A
P03253	Non-breeding	T14	09/01/2023	08:55	2	PB4	Flushed	N/A	N/A
P03267	Non-breeding	T15	09/01/2023	09:45	2	PB4	Flushed	N/A	N/A
P03294	Non-breeding	T13	13/01/2023	08:20	1	PB4	Flushed	N/A	N/A
P03296	Non-breeding	T13	13/01/2023	08:55	1	PB4	Flushed	N/A	N/A
P03308	Non-breeding	T16	13/01/2023	09:45	2	PB4	Flushed	N/A	N/A
P03698	Non-breeding	T9	17/01/2023	N/A	1	PB4	Flushed	N/A	N/A
P03370	Non-breeding	T18	19/01/2023	09:50	2	PB4	Flushed	N/A	N/A
P03440	Non-breeding	T14	03/02/2023	09:40	7	PB4	Flushed	N/A	N/A
P03452	Non-breeding	T15	03/02/2023	10:35	2	PB4	Flushed	N/A	N/A
P03479	Non-breeding	T3	05/02/2023	N/A	1	WL1	Flying	N/A	N/A
P03528	Non-breeding	T17	09/02/2023	10:45	2	PB4	Flushed	N/A	N/A
P03568	Non-breeding	T20	13/02/2023	15:05	2	PB4	Flushed	N/A	N/A
P03681	Non-breeding	T1	17/02/2023	N/A	1	FL1	Flying	N/A	N/A
P03687	Non-breeding	T7	19/02/2023	N/A	1	N/A	Flushed	N/A	N/A
P03702	Non-breeding	T2	07/03/2023	N/A	1	WS2	Flushed	N/A	N/A
P03922	Non-breeding	T20	20/03/2023	09:40	1	PB4	Flushed	N/A	N/A
P03720	Non-breeding	T6	23/03/2023	N/A	1	PB4	Flushed from rushes	N/A	N/A
P04227	Breeding	T4	05/04/2023	14:51	1	PB4	N/A	N/A	N/A
P04228	Breeding	T4	05/04/2023	15:10	1	PB4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04238	Breeding	T9	06/04/2023	12:22	1	PB4	N/A	N/A	N/A
P04216	Breeding	T16	07/04/2023	12:50	1	PB4	N/A	N/A	N/A
P04219	Breeding	T14	13/04/2023	13:40	2	PB4	N/A	N/A	N/A
P04388	Breeding	T3	22/05/2023	15:45	1	GS4	N/A	N/A	N/A
P04438	Breeding	T21	29/05/2023	14:55	1	PB4	N/A	N/A	N/A
P04459	Breeding	T4	21/06/2023	15:45	1	PB4	N/A	S	Possible
P04590	Breeding	T5	05/07/2023	14:05	1	PB4	N/A	S	Possible
P04669	Breeding	T20	25/07/2023	18:34	2	PB4	N/A	P	Probable
P04740	Breeding	T11	08/08/2023	16:35	3	GS4	N/A	N/A	N/A
P04769	Breeding	T18	16/08/2023	12:48	1	PB4	N/A	N/A	N/A
P04778	Breeding	T21	22/08/2023	10:25	1	PB4	N/A	N/A	N/A
P04862	Breeding	T3	20/09/2023	13:31	1	GA1	N/A	N/A	N/A
P04866	Breeding	T17	20/09/2023	18:30	1	pb4	N/A	N/A	N/A
P04795	Breeding	T4	25/09/2023	11:35	1	PB4	N/A	N/A	N/A
P04867	Breeding	T20	26/09/2023	12:35	1	pb4	N/A	N/A	N/A
P04869	Breeding	T18	26/09/2023	15:15	1	PB4	N/A	N/A	N/A
P04806	Breeding	T6	29/09/2023	11:30	1	PB4	N/A	N/A	N/A
P04882	Breeding	T19	29/09/2023	18:04	1	PB4	N/A	N/A	N/A
P06351	Non-breeding	T20	03/10/2023	10:20	2	PB4	Flushed from cover.	N/A	N/A
P06358	Non-breeding	T9	04/10/2023	10:45	1	PB4	Flyover	N/A	N/A
P06359	Non-breeding	T8	04/10/2023	11:55	1	PB4	Flushed from cover.	N/A	N/A
P06360	Non-breeding	T3	06/10/2023	10:30	1	PB4	Flushed from cover.	N/A	N/A
P06362	Non-breeding	T7	06/10/2023	11:35	2	PB4	Flushed from cover.	N/A	N/A
P06363	Non-breeding	T7	06/10/2023	11:55	1	PB4	Flushed from cover.	N/A	N/A
P06406	Non-breeding	T10	06/10/2023	15:45	4	PB4	Flushed	N/A	N/A
P06408	Non-breeding	T15	11/10/2023	15:41	2	PB4	Swimming	N/A	N/A
P06411	Non-breeding	T17	12/10/2023	12:25	2	PB4	Flushed	N/A	N/A
P06418	Non-breeding	T11	13/10/2023	14:20	7	PB4	Flushed	N/A	N/A
P06163	Non-breeding	T20	06/11/2023	13:45	1	PB4	Flushed from cover.	N/A	N/A
P06239	Non-breeding	T11	21/11/2023	10:28	18	PB4	Flushed	N/A	N/A
P06242	Non-breeding	T17	21/11/2023	13:18	2	PB4	Flushed	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P06245	Non-breeding	T15	22/11/2023	12:30	3	PB4	Flushed	N/A	N/A
P06248	Non-breeding	T18	23/11/2023	14:38	4	PB4	Flushed	N/A	N/A
P06253	Non-breeding	T10	27/11/2023	12:40	12	PB4	Foraging	N/A	N/A
P06256	Non-breeding	T5	27/11/2023	14:49	3	PB4	Flushed	N/A	N/A
P06257	Non-breeding	T4	27/11/2023	15:18	5	PB4	Flushed	N/A	N/A
P06262	Non-breeding	T4	27/11/2023	15:30	6	PB4	Flushed	N/A	N/A
P06267	Non-breeding	T6	28/11/2023	11:02	3	PB4	Flushed	N/A	N/A
P06474	Non-breeding	T20	04/12/2023	12:35	1	PB4	Flushed from cover	N/A	N/A
P06476	Non-breeding	T9	06/12/2023	11:10	2	PB4	Flushed from cover	N/A	N/A
P06478	Non-breeding	T9	06/12/2023	12:00	3	PB4	Flushed from cover	N/A	N/A
P06520	Non-breeding	T10	06/12/2023	13:53	5	PB4	Flushed	N/A	N/A
P06481	Non-breeding	T7	07/12/2023	12:05	2	PB4	Flushed from cover	N/A	N/A
P06484	Non-breeding	T3	07/12/2023	12:50	1	PB4	Flushed from cover	N/A	N/A
P06524	Non-breeding	T13	19/12/2023	10:12	1	PB4	Flushed	N/A	N/A
P06526	Non-breeding	T17	19/12/2023	12:36	1	PB4	Flushed	N/A	N/A
P06527	Non-breeding	T17	19/12/2023	12:42	1	PB4	Flushed	N/A	N/A
P06535	Non-breeding	T4	19/12/2023	15:22	1	PB4	Flushed	N/A	N/A
P06536	Non-breeding	T6	20/12/2023	09:51	1	PB4	Flushed	N/A	N/A
P06537	Non-breeding	T6	20/12/2023	10:00	1	PB4	Flushed	N/A	N/A
P06538	Non-breeding	T12	20/12/2023	10:48	3	PB4	Flushed	N/A	N/A
P06540	Non-breeding	T12	20/12/2023	11:21	1	PB4	Flushed	N/A	N/A
P06547	Non-breeding	T11	22/12/2023	11:12	2	PB4	Flushed	N/A	N/A
P05915	Non-breeding	T12	02/01/2024	15:25	1	PB4	N/A	N/A	N/A
P05917	Non-breeding	T12	02/01/2024	16:04	2	PB4	N/A	N/A	N/A
P05901	Non-breeding	T21	03/01/2024	08:55	2	PB4	N/A	N/A	N/A
P05903	Non-breeding	T20	03/01/2024	13:15	1	PB4	N/A	N/A	N/A
P05924	Non-breeding	T4	03/01/2024	10:40	1	PB4	N/A	N/A	N/A
P05926	Non-breeding	T4	03/01/2024	10:45	3	PB4	N/A	N/A	N/A
P05932	Non-breeding	T6	03/01/2024	12:30	3	PB4	N/A	N/A	N/A
P05933	Non-breeding	T16	03/01/2024	14:25	1	PB4	N/A	N/A	N/A
P05939	Non-breeding	T11	10/01/2024	10:10	2	PB4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05941	Non-breeding	T15	10/01/2024	13:36	1	PB4	N/A	N/A	N/A
P05945	Non-breeding	T18	11/01/2024	12:32	2	PB4	N/A	N/A	N/A
P05947	Non-breeding	T13	25/01/2024	16:21	1	PB4	N/A	N/A	N/A
P05972	Non-breeding	T8	02/02/2024	12:55	2	PB4	N/A	N/A	N/A
P05980	Non-breeding	T7	13/02/2024	12:30	2	PB4	N/A	N/A	N/A
P05994	Non-breeding	T17	20/02/2024	11:42	2	PB4	N/A	N/A	N/A
P05995	Non-breeding	T18	20/02/2024	14:32	2	PB4	N/A	N/A	N/A
P05998	Non-breeding	T6	23/02/2024	15:24	2	PB4	N/A	N/A	N/A
P06002	Non-breeding	T11	28/02/2024	10:52	15	PB4	N/A	N/A	N/A
P06003	Non-breeding	T15	28/02/2024	13:22	2	PB4	N/A	N/A	N/A
P06055	Non-breeding	T12	05/03/2024	11:33	2	PB4	N/A	N/A	N/A
P06059	Non-breeding	T12	05/03/2024	12:11	1	PB4	N/A	N/A	N/A
P06061	Non-breeding	T11	05/03/2024	13:00	2	PB4	N/A	N/A	N/A
P06069	Non-breeding	T4	05/03/2024	15:09	2	PB4	N/A	N/A	N/A
P06073	Non-breeding	T4	05/03/2024	15:43	1	PB4	N/A	N/A	N/A
P06042	Non-breeding	9	06/03/2024	11:55	1	PB4	N/A	N/A	N/A
P06043	Non-breeding	9	06/03/2024	12:15	1	PB4	N/A	N/A	N/A
P06090	Non-breeding	T17	06/03/2024	16:37	2	PB4	N/A	N/A	N/A
P06052	Non-breeding	7	11/03/2024	13:50	2	PB4	N/A	N/A	N/A
P06094	Non-breeding	T6	13/03/2024	12:26	2	PB4	N/A	N/A	N/A
P06096	Non-breeding	T18	13/03/2024	15:29	2	PB4	N/A	N/A	N/A
P06097	Non-breeding	T15	14/03/2024	15:48	2	PB4	N/A	N/A	N/A
P04889	Breeding	T21	02/04/2024	15:30	1	PB4	Flushed	N/A	N/A
P04895	Breeding	T20	02/04/2024	16:35	3	PB4	N/A	N/A	N/A
P04907	Breeding	T6	03/04/2024	16:40	1	PB4	N/A	N/A	N/A
P04983	Breeding	Transect 7	08/04/2024	12:03	1	pb4	N/A	H	Possible
P04984	Breeding	Transect 7	08/04/2024	12:32	1	pb4	N/A	H	Possible
P04991	Breeding	Transect 11	08/04/2024	14:16	2	FL8	N/A	P	Probable
P04999	Breeding	Transect 12	08/04/2024	16:31	1	pb4	N/A	H	Possible
P05016	Breeding	Transect 15	09/04/2024	16:01	2	pb4	N/A	P	Probable
P05020	Breeding	Transect 15	09/04/2024	16:23	1	pb4	N/A	H	Possible

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05061	Breeding	T6	09/05/2024	09:35	1	PB4	N/A	D	Probable
P05151	Breeding	T11	11/05/2024	17:00	1	pb4	N/A	N/A	N/A
P05155	Breeding	T9	13/05/2024	18:51	1	pb4	N/A	N/A	N/A
P05090	Breeding	T2	14/05/2024	08:50	1	PB4	N/A	S	Possible
P05189	Breeding	T18	15/05/2024	18:11	1	PB4	N/A	N/A	N/A
P05264	Breeding	T4	11/06/2024	07:50	1	PB4	N/A	S	Possible
P05358	Breeding	T18	19/06/2024	10:23	1	PB4	N/A	N/A	N/A
P05427	Breeding	T6	02/07/2024	11:00	1	PB4	N/A	N/A	N/A
P05488	Breeding	T15	22/07/2024	12:21	1	PB4	N/A	N/A	N/A
P05498	Breeding	T11	22/07/2024	18:28	5	PB4	N/A	N/A	N/A
P05540	Breeding	T7	29/07/2024	14:02	1	PB4	N/A	N/A	N/A
P05572	Breeding	T6	06/08/2024	11:05	1	PB4	N/A	N/A	N/A
P05649	Breeding	T11	07/08/2024	16:41	3	PB4	N/A	N/A	N/A
P05799	Breeding	T11	03/09/2024	14:50	1	PB4	N/A	N/A	N/A
P05801	Breeding	T11	03/09/2024	14:58	1	PB4	N/A	N/A	N/A
P05731	Breeding	T3	05/09/2024	12:00	2	GM1	N/A	N/A	N/A
P05824	Breeding	T18	05/09/2024	10:47	1	PB4	N/A	N/A	N/A
P05742	Breeding	T5	06/09/2024	09:45	1	PB4	N/A	N/A	N/A
P05837	Breeding	T7	12/09/2024	16:23	1	pb4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00293	Breeding	HHVP11	13/05/2021	1	N/A	N/A
P00318	Breeding	HHVP4	12/06/2021	1	N/A	N/A
P00382	Breeding	HHVP4	17/07/2021	1	N/A	N/A
P00609	Breeding	HHVP13	09/09/2021	1	N/A	N/A
P00734	Non-breeding	HHVP4	24/11/2021	3	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P04074	Breeding	22/04/2022	2	D	Probable
P04078	Breeding	07/09/2022	2	N/A	N/A
P03958	Non-breeding	13/10/2022	1	N/A	N/A
P03972	Non-breeding	14/11/2022	2	N/A	N/A
P03998	Non-breeding	08/12/2022	1	N/A	N/A
P04004	Non-breeding	16/12/2022	1	N/A	N/A
P04027	Non-breeding	24/01/2023	1	N/A	N/A
P04034	Non-breeding	10/02/2023	1	N/A	N/A

8°2'40"W
7°53'50"W
7°45'0"W
53°45'0"N
53°40'0"N
53°35'0"N
776000
768000
760000
593600
604000
614400

Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7

Strokestown Golf Club
Ballytoohey
Termonbarry
Cloongara
Townparks (Longford By)
Cloonrollagh
Cloonbalt
Longford
Enybegs
Cloontuskert
Ballyleague
Knock
Stonepark (Ardagh By)
Feraghfad
Keenagh
Fearagh
Knockcroghery
Galey
Lough Ree
Derrymacar Lough
Drinan
Ballymahon

R371
R194
R397
R393
R392
N5
N63
N55

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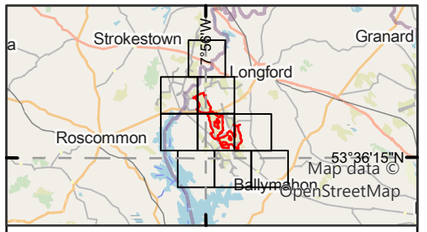

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-24

0 1.5 3
Kilometres

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Rev	Date	Description	By	Chkd
A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Snipe
Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	March 2025

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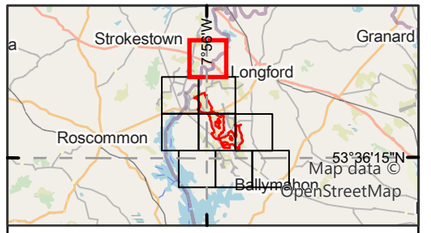

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21

0 0.5 1
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A	25/03/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Common Snipe
Sheet 1 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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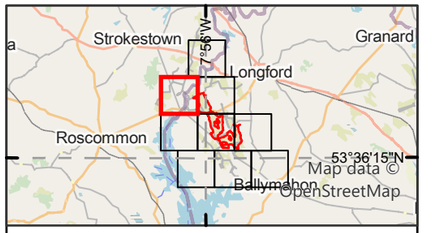
Draft: A

8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-24

0 0.5 1
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Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Snipe
Sheet 2 of 7

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Map Ref: 11399-015.ApX-SUM-SN-TOB-A

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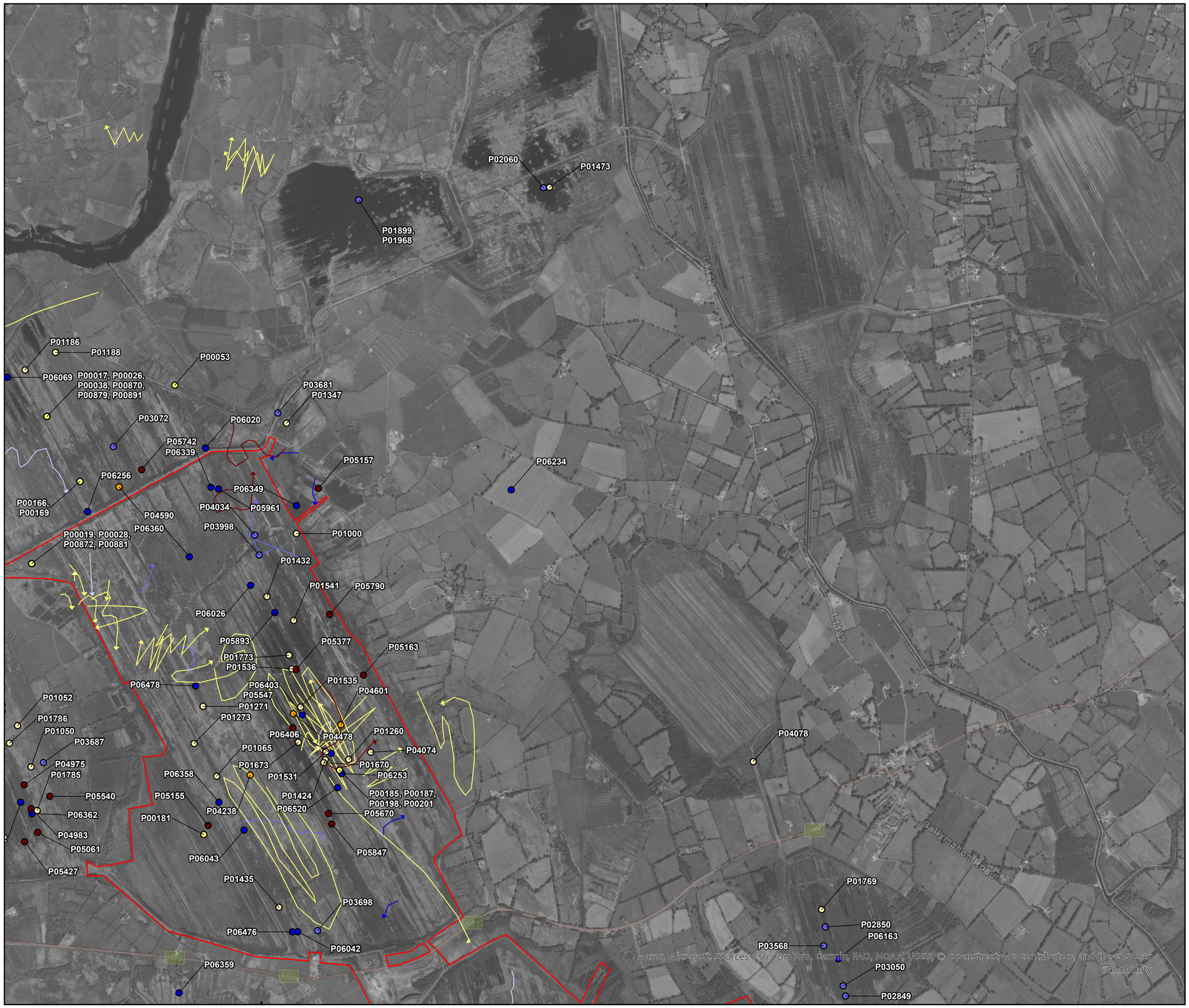
7°53'50"W



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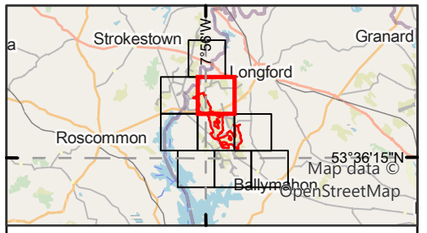

Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-24

0 0.5 1
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Common Snipe
Sheet 3 of 7

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7°53'50"W

53°40'0"N

768000

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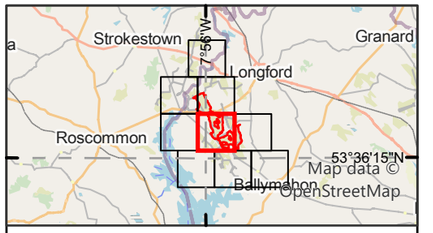

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-24

0 0.5 1
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Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Snipe
Sheet 4 of 7

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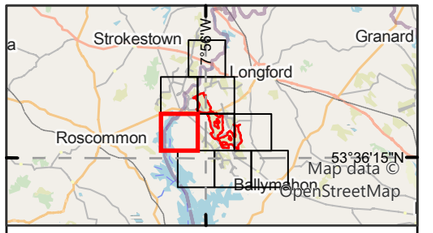
8°2'40"W

53°40'0"N

768000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21

0 0.5 1
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Common Snipe
Sheet 5 of 7

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7°53'50"W

53°35'0"N

760000

P05941

P04882

P04027

P00236

P05121,
P05307,
P05620, P05775

P06726

P05768

P06587

P05773

R392

L5236

Estate Road

Fas Road

Derrymacar
Lough

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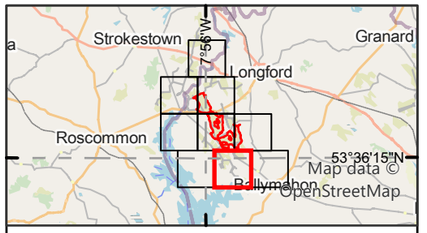

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-23
- Breeding-24

0 0.5 1
Kilometres

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING\
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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Snipe
Sheet 6 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	March 2025

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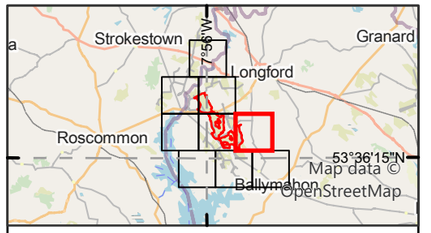
Map Ref: 11399-015.ApX-SUM-SN-TOB-A

Draft: A





Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-23/24
- Breeding-22

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Common Snipe
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Appendix 8.3p COMMON SWIFT

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP5	28/05/2024	11:34	2	2	7	0	0	0
Breeding	VP3	06/06/2024	16:25	1	6	0	0	0	0

Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
Breeding	VP3	08/06/2022	16:02	10	bl3	Flying/feeding	F	Non-Breeding
Breeding	VP2	06/07/2022	14:16	2	pb4	Flying over	F	Non-Breeding
Breeding	VP3	03/08/2022	13:20	8	bl3	In suitable breeding habitat	N/A	N/A
Breeding	VP1	04/08/2022	11:40	3	fw2	Flying	N/A	N/A
Breeding	VP2	05/08/2022	12:35	1	pb4	Flying over	N/A	N/A
Breeding	VP5	20/05/2023	14:50	1	N/A	Swift in air	F	Non-Breeding
Breeding	VP7	05/06/2023	N/A	1	N/A	N/A	N/A	N/A
Breeding	VP11	20/06/2024	18:38	1	N/A	Feeding	N/A	N/A

Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
Breeding	T13	06/07/2022	N/A	2	PB4	Foraging	N/A	N/A
Breeding	T6	08/06/2023	14:00	3	PB4	N/A	N/A	N/A
Breeding	T4	05/07/2023	12:45	1	PB4	N/A	N/A	N/A
Breeding	T6	07/07/2023	07:40	4	PB4	N/A	N/A	N/A
Breeding	T4	02/08/2023	11:15	3	FW2	N/A	N/A	N/A

Season	Date	Abundance	Breeding Code	Breeding Status
Breeding	12/07/2024	7	N/A	N/A

Season	Date	Abundance	Breeding Code	Breeding Status
Breeding	19/07/2024	13	N/A	N/A
Breeding	23/07/2024	10	N	Probable

Appendix 8.3q COMMON TERN

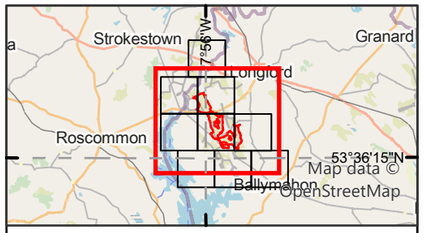
Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP2	07/07/2021	16:00	1	73	0	0	0	0
Breeding	VP2	07/07/2021	17:43	1	25	0	0	0	0
Breeding	VP1	15/07/2024	11:36	1	12	6	0	0	0

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01206	Breeding	VP Number 7	17/05/2022	1	Common Tern flying over river/feeding	H	Possible

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00255	Breeding	HHVP5	12/05/2021	2	N/A	N/A
P00328	Breeding	HHVP5	12/06/2021	2	N/A	N/A
P00345	Breeding	HHVP8	12/06/2021	1	N/A	N/A
P00426	Breeding	HHVP9	17/07/2021	1	N/A	N/A

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
604000
614400
776000
768000
760000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-21
- Breeding-22

Flightline observations - Seasons

- Breeding-21
- Breeding-24

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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Common Tern
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Draft: A

Appendix 8.3r EURASIAN COOT

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04080	Breeding	VP4	06/04/2023	16:30	1	N/A	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01085	Breeding	Ref: 4	20/04/2022	16	Suitable nesting habitat	H	Possible
P01323	Breeding	Ref: 5	12/05/2022	6	2 adults with 4 chicks foraging on island.	FL	Confirmed
P01336	Breeding	Ref: 4	12/05/2022	2	Swimming around the wetland.	N/A	N/A
P01209	Breeding	VP Number 8	17/05/2022	2	2 coot near lake edge	H	Possible
P01468	Breeding	Ref: 4	10/06/2022	1	Swimming around wetland.	N/A	N/A
P01570	Breeding	ref: 5	06/07/2022	36	Foraging around the shoreline of island.	N/A	N/A
P01576	Breeding	ref: 9	06/07/2022	13	Foraging around the shoreline of island.	N/A	N/A
P01694	Breeding	ref: 8	10/08/2022	12	Swimming on open water.	N/A	N/A
P01703	Breeding	ref: 5	10/08/2022	46	Foraging around the shoreline.	N/A	N/A
P01800	Breeding	Ref No: 8	13/09/2022	3	Foraging on lake.	N/A	N/A
P01803	Breeding	Ref No: 5	13/09/2022	191	Swimming on open water.	N/A	N/A
P01816	Breeding	Rhynmount Bog.	14/09/2022	1	Swimming around wetland.	N/A	N/A
P01900	Non-breeding	Rhynmount Bog	12/10/2022	4	Foraging on wetlands.	N/A	N/A
P01969	Non-breeding	Rhynmount Bog	16/11/2022	5	Foraging on wetlands.	N/A	N/A
P02174	Non-breeding	Ref No 8	10/01/2023	1	Swimming on open water.	N/A	N/A
P02154	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	3	Swimming in and out of reeds	N/A	N/A
P02162	Non-breeding	Greenhall Upper	29/01/2023	4	Swimming with MA	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02334	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	3	Swimming in and out of reeds	N/A	N/A
P02342	Non-breeding	Greenhall Upper	29/01/2023	4	Swimming with MA	N/A	N/A
P02219	Non-breeding	Ref No 8	03/02/2023	6	Foraging on open water.	N/A	N/A
P02235	Non-breeding	Ref No 5	03/02/2023	8	Foraging on open water.	N/A	N/A
P02285	Non-breeding	Lisnacusha turlough/fields	25/02/2023	4	In reeds on west side, ventured out occasiionally	N/A	N/A
P02290	Non-breeding	Site 4 Turlough	25/02/2023	3	Near reeds on west side of lough	N/A	N/A
P02309	Non-breeding	Loughpark, Site 3	25/02/2023	4	Swimming in open water	N/A	N/A
P02356	Non-breeding	Lisnacusha turlough/fields	25/02/2023	4	In reeds on west side, ventured out occasiionally	N/A	N/A
P02361	Non-breeding	Site 4 Turlough	25/02/2023	3	Near reeds on west side of lough	N/A	N/A
P02380	Non-breeding	Loughpark, Site 3	25/02/2023	4	Swimming in open water	N/A	N/A
P02423	Non-breeding	Ref No 8	03/03/2023	9	Foraging on open water.	N/A	N/A
P02438	Non-breeding	Ref No 5	03/03/2023	4	Foraging on open water.	N/A	N/A
P02468	Non-breeding	Rhynmount Bog VP3	16/03/2023	3	Foraging	N/A	N/A
P02405	Non-breeding	Location 4, Turlough	24/03/2023	3	In reeds and open water	N/A	N/A
P04157	Breeding	Ref No 8	14/04/2023	7	Foraging	N/A	N/A
P04185	Breeding	Ref No 12	14/04/2023	4	Foraging	N/A	N/A
P04193	Breeding	Ref No 13	14/04/2023	2	Foraging	N/A	N/A
P04198	Breeding	Rhymount VP1	14/04/2023	1	Foraging	N/A	N/A
P04285	Breeding	Turlough	27/04/2023	35	35 Coot on Turlough, some on nests	ON	Confirmed

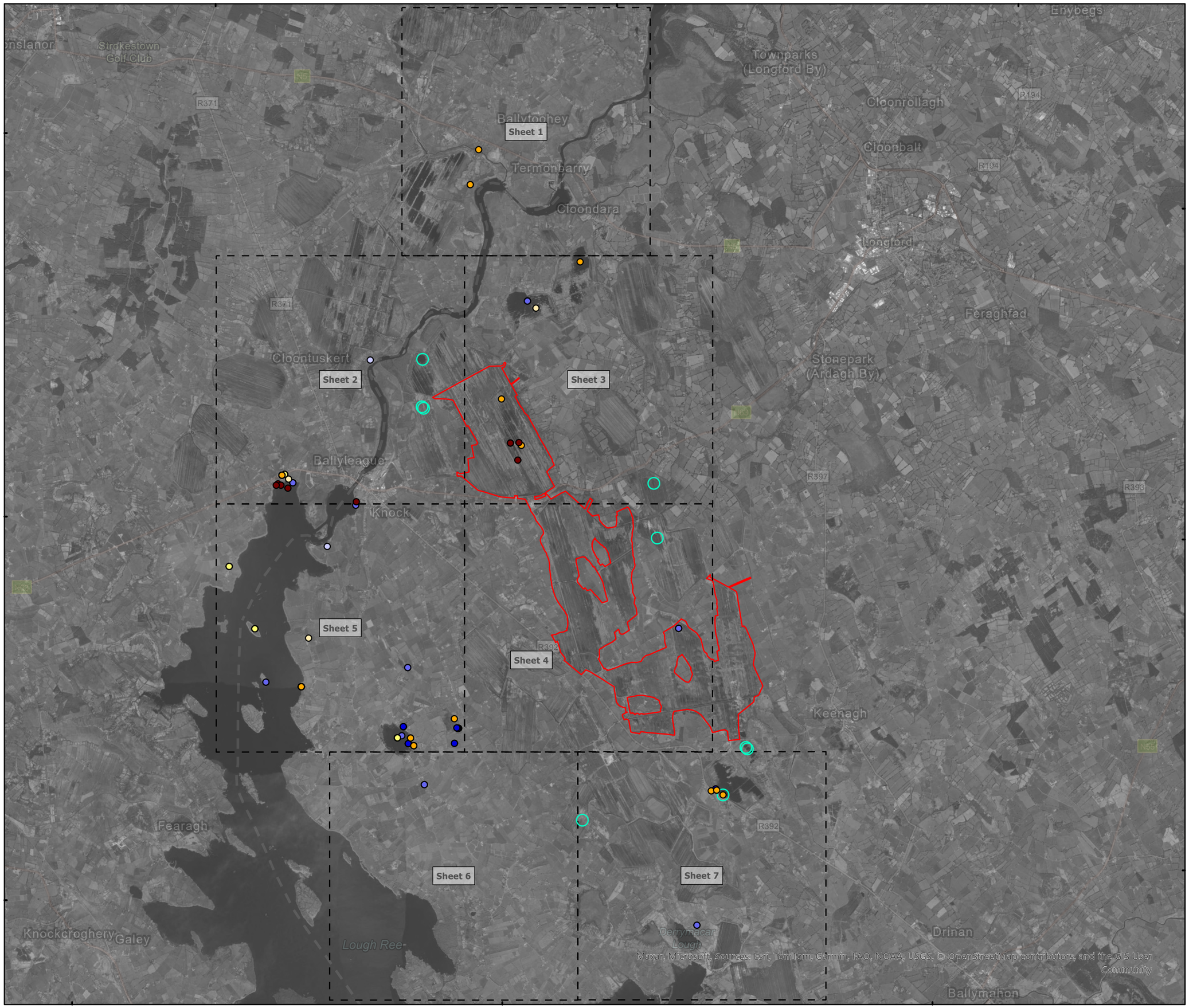
I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04289	Breeding	Turlough	27/04/2023	20	20 Coot on small turlough, some on nests	ON	Confirmed
P04348	Breeding	Ref No: 12	03/05/2023	2	Pair nest building	B	Probable
P04362	Breeding	Ref No: 8	03/05/2023	5	Foraging.	N/A	N/A
P04421	Breeding	5 KM radius	26/05/2023	12	12 Coot feeding on lake	H	Possible
P04426	Breeding	5 KM radius	26/05/2023	25	25 Coot on Turlough, some on nests	ON	Confirmed
P04516	Breeding	Lough Ree	09/06/2023	30	30 Coot feeding on lake	H	Possible
P04521	Breeding	5 KM radius	09/06/2023	20	20 Coot on Turlough, some on nests	ON	Confirmed
P04530	Breeding	5 KM radius	09/06/2023	2	2 coot on lake	H	Possible
P04628	Breeding	Ref No: 8	07/07/2023	10	Foraging	N/A	N/A
P04643	Breeding	Lough Ree	19/07/2023	20	20 Coot feeding on lake	N/A	N/A
P04648	Breeding	01832 63178	19/07/2023	12	12 Coot on Turlough	N/A	N/A
P04715	Breeding	Onsite	03/08/2023	2	Foraging, Adult.	N/A	N/A
P04754	Breeding	Lough Ree	10/08/2023	52	52 Coot feeding on Lough Ree	N/A	N/A
P04841	Breeding	01724 63197	07/09/2023	6	6 Coot on Turlough	N/A	N/A
P06431	Non-breeding	5	06/10/2023	10	10 Coot on lake	N/A	N/A
P06440	Non-breeding	4	06/10/2023	6	6 Coot feeding on turlough.	N/A	N/A
P06451	Non-breeding	4	14/10/2023	8	8 Coot on turlough	N/A	N/A
P06278	Non-breeding	4	20/11/2023	64	64 Coot on turlough	N/A	N/A
P06285	Non-breeding	5	20/11/2023	55	55 Coot on Lough Ree	N/A	N/A
P06302	Non-breeding	4	23/11/2023	25	25 Coot on turlough	N/A	N/A
P06324	Non-breeding	4	27/11/2023	56	56 Coot on turlough	N/A	N/A
P06328	Non-breeding	5	27/11/2023	20	20 Coot on Lough Ree	N/A	N/A

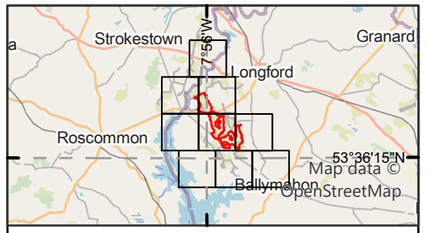
I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06573	Non-breeding	4	18/12/2023	2	2 Coot on turlough	N/A	N/A
P06655	Non-breeding	Southern half of site	25/01/2024	4	N/A	N/A	N/A
P06667	Non-breeding	Southern half of site	25/01/2024	2	N/A	N/A	N/A
P06682	Non-breeding	Ref No: 8	06/02/2024	3	N/A	N/A	N/A
P06744	Non-breeding	Southern half of site	19/02/2024	8	On Turlough	N/A	N/A
P06750	Non-breeding	Southern half of site	21/02/2024	4	On Turlough	N/A	N/A
P06775	Non-breeding	Ref No: 8	07/03/2024	2	Foraging	N/A	N/A
P05182	Breeding	2KM Buffer	15/05/2024	3	3 Coot in suitable habitat	H	Possible
P05187	Breeding	2KM Buffer	15/05/2024	1	Coot in suitable habitat	H	Possible
P05350	Breeding	2km buffer	18/06/2024	3	3 Coot on lake	N/A	N/A
P05520	Breeding	2km buffer	24/07/2024	6	6 Coot on lake	N/A	N/A
P05807	Breeding	2km buffer	04/09/2024	1	1 Coot on lake	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05031	Breeding	Transect 10	10/04/2024	15:48	1	pb4	N/A	H	Possible
P05038	Breeding	Transect 10	10/04/2024	16:05	1	pb4	N/A	H	Possible
P05204	Breeding	T10	16/05/2024	10:35	1	PB4	N/A	N/A	N/A
P05389	Breeding	T10	25/06/2024	11:42	1	PB4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00249	Breeding	HHVP4	12/05/2021	14	N/A	N/A
P00325	Breeding	HHVP4	12/06/2021	5	N/A	N/A
P00336	Breeding	HHVP5	12/06/2021	8	N/A	N/A
P00350	Breeding	HHVP8	12/06/2021	2	N/A	N/A
P00355	Breeding	HHVP9	12/06/2021	2	N/A	N/A
P00384	Breeding	HHVP4	17/07/2021	3	N/A	N/A
P00443	Breeding	HHVP4	05/08/2021	3	N/A	N/A
P00453	Breeding	HHVP5	05/08/2021	9	N/A	N/A
P00463	Breeding	HHVP8	05/08/2021	20	N/A	N/A
P00473	Breeding	HHVP9	05/08/2021	15	N/A	N/A
P00496	Breeding	HHVP4	14/08/2021	2	N/A	N/A
P00504	Breeding	HHVP5	14/08/2021	14	N/A	N/A
P00521	Breeding	HHVP8	14/08/2021	6	N/A	N/A
P00539	Breeding	HHVP9	14/08/2021	4	N/A	N/A
P00571	Breeding	HHVP5	09/09/2021	12	N/A	N/A
P00600	Breeding	HHVP9	09/09/2021	2	N/A	N/A
P00632	Breeding	HHVP5	30/09/2021	10	N/A	N/A
P00660	Breeding	HHVP9	30/09/2021	2	N/A	N/A
P00686	Non-breeding	HHVP5	26/10/2021	2	N/A	N/A
P00770	Non-breeding	HHVP4	25/01/2022	2	N/A	N/A
P00780	Non-breeding	HHVP8	25/01/2022	4	N/A	N/A
P00790	Non-breeding	HHVP4	28/02/2022	4	N/A	N/A
P00804	Non-breeding	HHVP6	28/02/2022	4	N/A	N/A
P00814	Non-breeding	HHVP10	28/02/2022	1	N/A	N/A
P00821	Non-breeding	HHVP4	29/03/2022	8	N/A	N/A
P00841	Non-breeding	HHVP8	29/03/2022	2	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P04050	Non-breeding	11/02/2023	4	N/A	N/A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

0 1.5 3
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Project: Derryadd Wind Farm

Title: Flight and non-flight observations Eurasian Coot Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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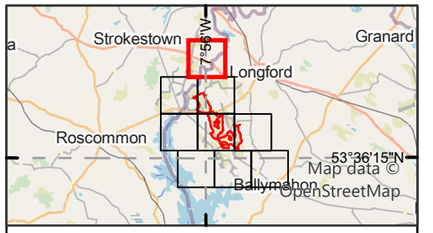

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Proposed wind farm site boundary

Non-flight observations - Seasons

Breeding-23

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Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Eurasian Coot
Sheet 1 of 7

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Prepared by:	Checked by:	Date:
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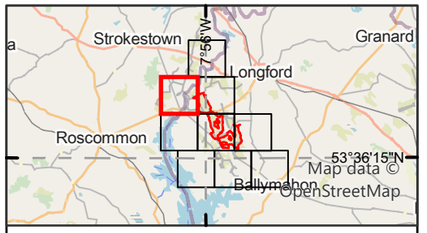
Map Ref: 11399-017.ApX-SUM-CO-TOB-A

Draft: A

8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

0 0.5 1
Kilometres

NOTES

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Eurasian Coot
Sheet 2 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-017.ApX-SUM-CO-TOB-A

Draft: A

7°53'50"W

P04198

P01816

P01900,
P01969,
P02468

L4162

P04715

P05038

P05389

P04080

P05204

P05031

N63

N63

N63

Ballymahon Road

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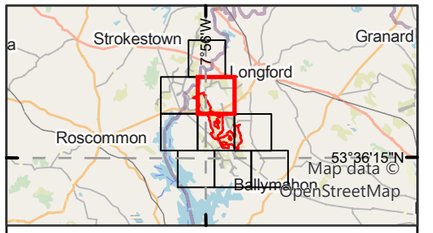
604000



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-22
- Breeding-23
- Breeding-24

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Coot
Sheet 3 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-017.ApX-SUM-CO-TOB-A

Draft: A

7°53'50"W

53°40'0"N

768000

604000

N63

R392

R398

L4155

Ballymahon Road

P02290,
P02361

P04289

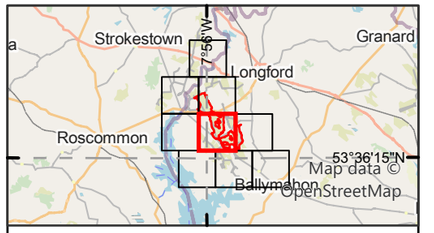
P06573

P02154,
P02334

P06750

P06655

P06278,
P06302



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-23
- **Confirmed** Breeding Status*

0 0.5 1
Kilometres

NOTES

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Coot
Sheet 4 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Draft: A

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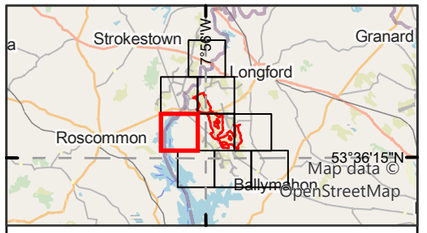
8°2'40"W

53°4'0"N

768000





Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Coot
Sheet 5 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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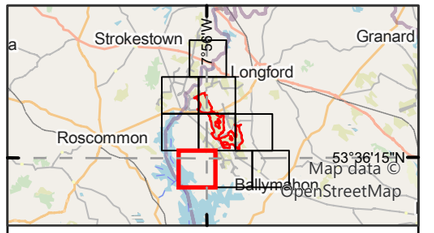

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-22
- Breeding-23
- **Confirmed** Breeding Status*

0 0.5 1
Kilometres

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Eurasian Coot
Sheet 6 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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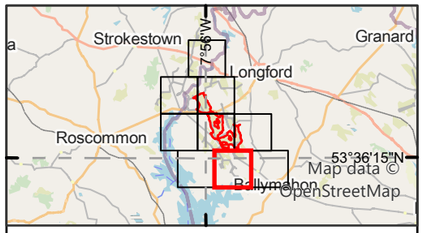

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-23

0 0.5 1
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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Coot
Sheet 7 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Appendix 8.3s EURASIAN CURLEW

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP4	13/08/2021	14:42	1	0	0	105	0	0
Breeding	VP1	18/08/2021	09:33	1	0	0	71	0	0
Breeding	VP6	19/08/2021	11:22	1	0	0	163	0	0
Breeding	VP1	06/09/2021	13:30	1	0	0	33	0	0
Non-breeding	VP1	02/03/2022	09:33	7	0	15	0	0	0
Breeding	VP10	07/07/2022	15:42	14	20	30	0	0	0
Breeding	VP8	12/09/2022	13:15	7	0	0	0	0	65
Non-breeding	VP 1	16/12/2022	09:25	22	6	0	0	0	0
Non-breeding	VP1	07/11/2023	08:55	5	6	0	0	0	0
Non-breeding	VP6	05/12/2023	12:30	1	0	0	50	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00960	Breeding	VP10	07/07/2022	10:55	14	PB4	Roosting	N/A	N/A

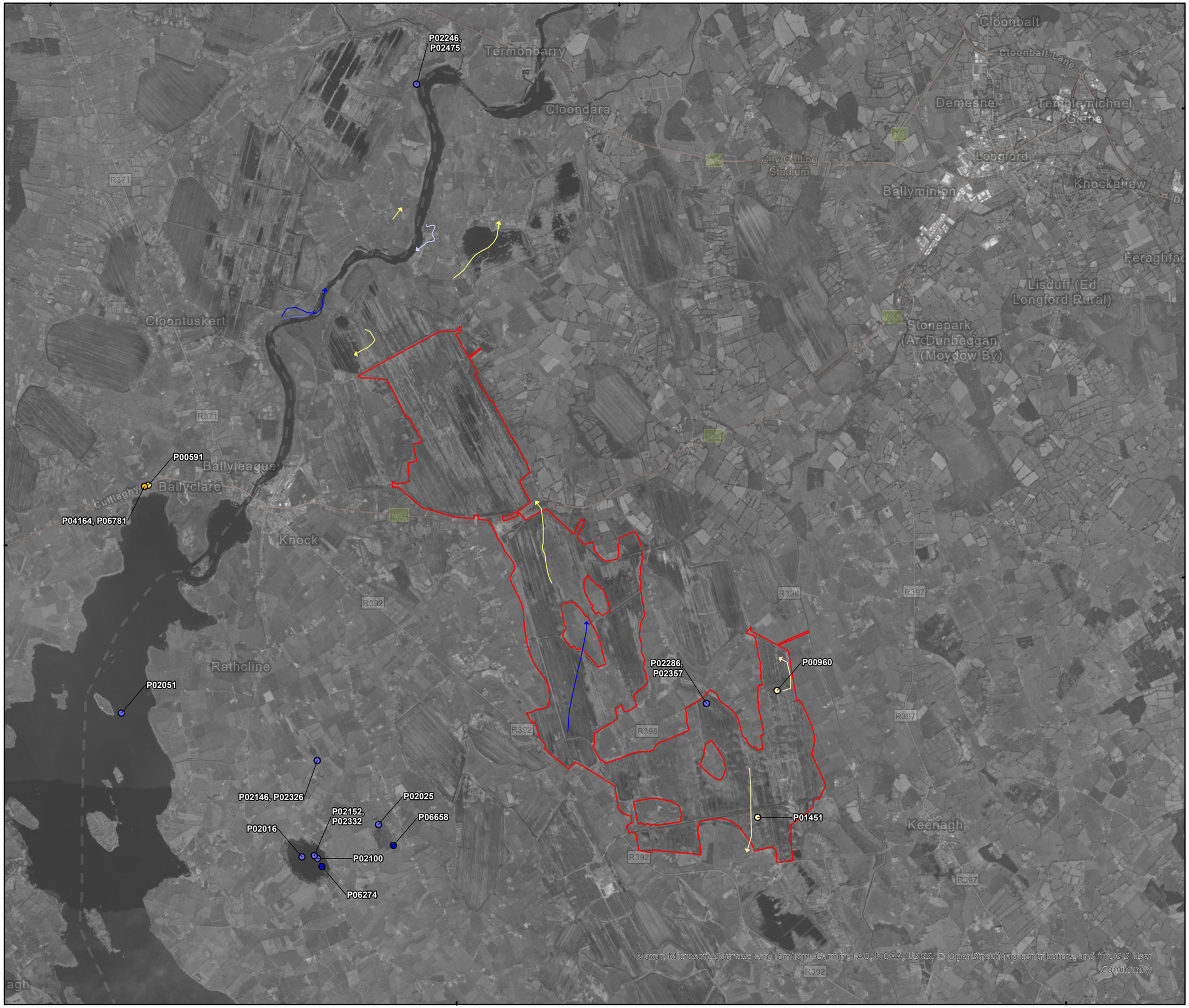
I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02016	Non-breeding	Site 4	06/11/2022	7	Roosting with L on 'island'	N/A	N/A
P02025	Non-breeding	Near site 4, LeTergullion	06/11/2022	21	Roosting close to above group	N/A	N/A
P02051	Non-breeding	Ref No 9	07/12/2022	1	Foraging around shore-line.	N/A	N/A
P02100	Non-breeding	Site 4, Turlough at LeTergullion	17/12/2022	1	Flew in from the east with L	N/A	N/A

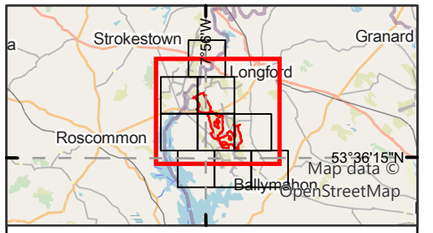
I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02146	Non-breeding	NE of Lisnacusha	29/01/2023	15	On south side eastern bank	N/A	N/A
P02152	Non-breeding	Site 4, Turlough	29/01/2023	10	Resting on western bank, some feeding, other preening and walking about	N/A	N/A
P02326	Non-breeding	NE of Lisnacusha	29/01/2023	15	On south side eastern bank	N/A	N/A
P02332	Non-breeding	Site 4, Turlough	29/01/2023	10	Resting on western bank, some feeding, other preening and walking about	N/A	N/A
P02246	Non-breeding	Ref No 12	10/02/2023	3	Foraging on grass field.	N/A	N/A
P02286	Non-breeding	Site 4 Turlough	25/02/2023	75	On ground, but flew off to other side of lough. Some feeding on mud/grass, others loafing or roosting	N/A	N/A
P02357	Non-breeding	Site 4 Turlough	25/02/2023	75	On ground, but flew off to other side of lough. Some feeding on mud/grass, others loafing or roosting	N/A	N/A
P02475	Non-breeding	Ref No 12	16/03/2023	4	Foraging	N/A	N/A
P04164	Breeding	Ref No 8	14/04/2023	2	Foraging	N/A	N/A
P06274	Non-breeding	4	20/11/2023	1	1 Curlew on Turlough	N/A	N/A
P06658	Non-breeding	Southern half of site	25/01/2024	1	N/A	N/A	N/A
P06781	Non-breeding	Ref No: 8	07/03/2024	1	Roosting	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01451	Breeding	T18	20/06/2022	N/A	1	PB4	Flushed.	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00591	Breeding	HHVP8	09/09/2021	2	N/A	N/A

8°2'40"W
7°53'50"W
53°40'0"N
776000
768000
604000
614400





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22

0 1 2
Kilometres

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Rev	Date	Description	By	Chkd.
A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Curlew
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	March 2025

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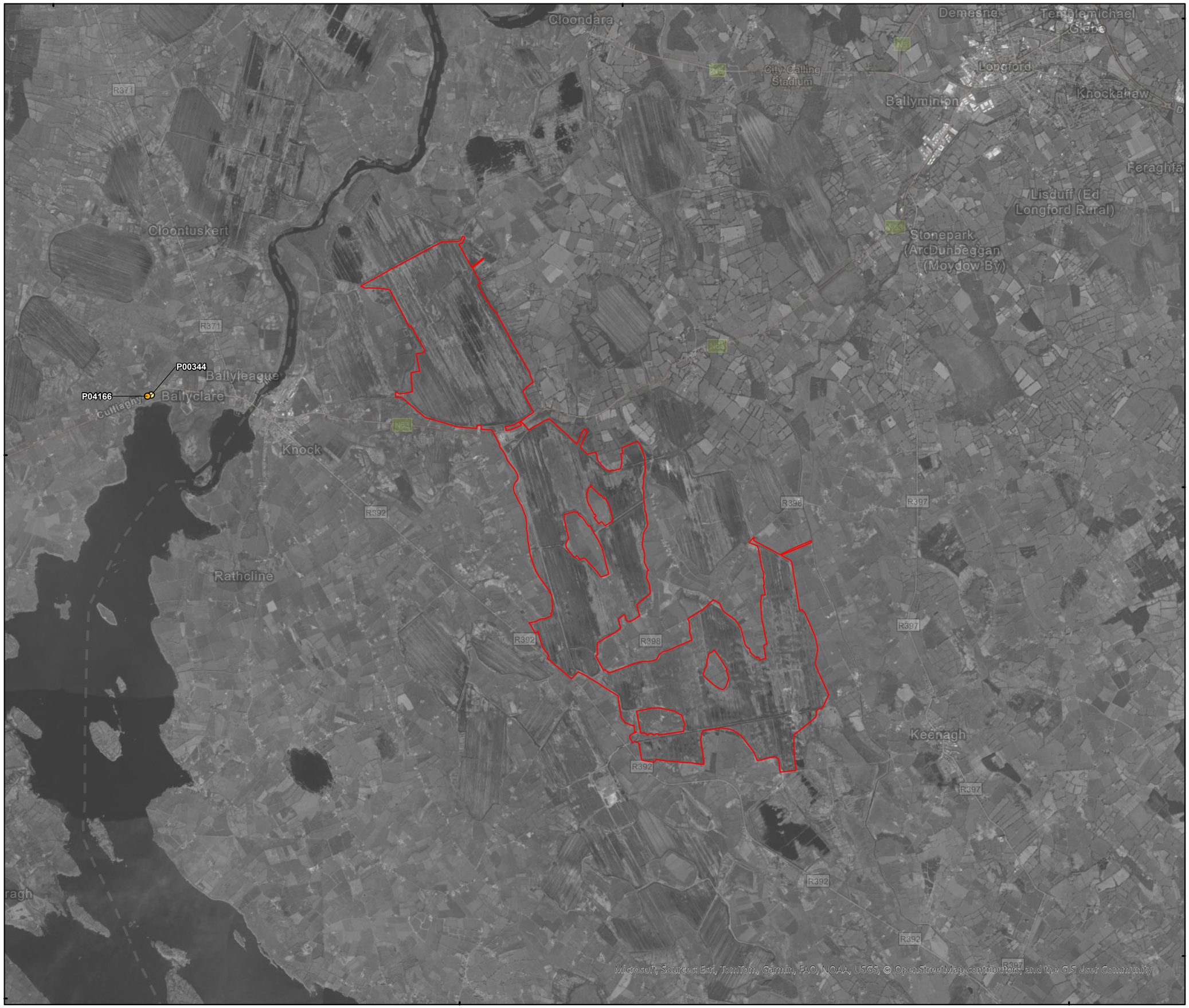
Appendix 8.3t EURASIAN OYSTERCATCHER

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04166	Breeding	Ref No 8	14/04/2023	1	Foraging	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00344	Breeding	HHVP8	12/06/2021	1	N/A	N/A

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
776000
768000
760000
604000
614400



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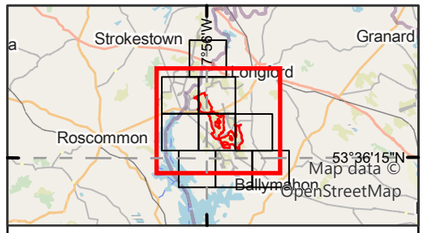

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-21
- Breeding-23

0 1 2
Kilometres

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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Oystercatcher
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Map Ref: 11399-019.ApX-SUM-OC-TOB-A

Draft: A

Appendix 8.3u EURASIAN SPARROWHAWK

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP2	29/04/2021	16:14	1	11	6	300	0	0
Breeding	VP3	04/05/2021	08:07	1	15	13	0	0	0
Breeding	VP3	04/05/2021	09:18	1	16	0	0	0	0
Breeding	VP4	05/05/2021	10:10	1	6	150	0	0	0
Breeding	VP1	06/05/2021	17:44	1	44	0	0	0	0
Breeding	VP1	06/05/2021	14:40	1	42	0	0	0	0
Breeding	VP5	06/05/2021	09:42	3	0	0	0	0	272
Breeding	VP6	07/05/2021	11:02	1	4	0	0	0	0
Breeding	VP6	07/05/2021	11:45	1	3	0	0	0	0
Breeding	VP6	07/05/2021	15:42	1	24	0	0	0	0
Breeding	VP7	11/05/2021	13:52	1	0	0	16	0	122
Breeding	VP9	21/05/2021	10:38	1	3	0	0	0	0
Breeding	VP9	21/05/2021	11:01	1	5	12	163	0	0
Breeding	VP10	22/05/2021	15:50	1	6	10	12	0	156
Breeding	VP2	31/05/2021	10:04	1	0	10	92	0	0
Breeding	VP3	01/06/2021	17:31	2	0	26	72	0	159
Breeding	VP1	06/07/2021	10:49	1	11	0	0	0	0
Breeding	VP6	08/07/2021	12:29	1	7	7	210	0	0
Breeding	VP10	15/07/2021	18:43	1	7	36	0	0	0
Breeding	VP10	15/07/2021	13:33	1	32	0	0	0	0
Breeding	VP3	28/07/2021	17:07	1	12	0	0	0	0
Breeding	VP3	28/07/2021	17:51	1	10	87	223	0	226
Breeding	VP1	29/07/2021	15:41	1	37	0	0	0	0
Breeding	VP3	29/07/2021	20:00	1	5	15	222	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP7	02/08/2021	11:50	1	22	0	0	0	0
Breeding	VP7	02/08/2021	16:45	1	10	0	0	0	0
Breeding	VP9	03/08/2021	11:38	1	12	18	80	0	0
Breeding	VP9	03/08/2021	16:03	1	27	0	0	0	0
Breeding	VP11	11/08/2021	13:09	1	0	0	0	0	156
Breeding	VP9	18/08/2021	17:42	1	0	24	95	0	265
Breeding	VP6	19/08/2021	13:27	1	20	0	0	0	0
Breeding	VP6	19/08/2021	14:45	2	0	0	122	0	318
Breeding	VP10	19/08/2021	17:24	1	0	0	55	0	138
Breeding	VP1	06/09/2021	10:52	1	10	0	0	0	0
Breeding	VP1	06/09/2021	14:00	1	12	16	0	0	0
Breeding	VP6	09/09/2021	11:15	1	0	0	111	0	0
Breeding	VP9	13/09/2021	14:58	1	15	0	0	0	0
Breeding	VP2	20/09/2021	12:37	1	12	12	0	0	0
Breeding	VP1	27/09/2021	09:48	1	22	0	0	0	0
Breeding	VP6	28/09/2021	09:02	1	12	10	79	0	0
Breeding	VP6	28/09/2021	12:21	1	60	13	0	0	0
Non-breeding	VP1	01/10/2021	14:15	1	10	0	0	0	0
Non-breeding	VP6	03/10/2021	09:50	1	26	0	0	0	0
Non-breeding	VP3	13/12/2021	13:18	1	20	0	0	0	0
Non-breeding	VP3	13/12/2021	13:59	1	5	0	0	0	0
Non-breeding	VP6	16/12/2021	10:53	2	0	20	0	0	0
Non-breeding	VP8	27/12/2021	09:40	1	20	0	0	0	0
Non-breeding	VP8	27/12/2021	09:57	1	0	0	30	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP2	17/01/2022	14:13	1	10	0	0	0	0
Non-breeding	VP4	24/01/2022	12:05	1	0	0	80	0	0
Non-breeding	VP6	24/01/2022	11:58	1	0	32	0	0	0
Non-breeding	VP3	16/03/2022	13:09	2	0	50	0	0	0
Non-breeding	VP6	16/03/2022	13:05	1	0	11	20	0	0
Breeding	VP10	13/04/2022	08:02	1	16	0	0	0	0
Breeding	VP11	04/05/2022	15:43	1	0	0	210	135	0
Breeding	VP11	04/05/2022	10:35	1	20	0	0	0	0
Breeding	VP11	07/06/2022	12:35	1	35	10	0	0	0
Breeding	VP10	09/06/2022	15:05	1	30	0	0	0	0
Breeding	VP9	05/07/2022	13:30	1	0	95	0	0	0
Breeding	VP8	12/07/2022	13:31	1	15	0	0	0	0
Breeding	VP11	13/07/2022	10:15	1	45	0	0	0	0
Breeding	VP 5	27/07/2022	16:55	1	20	60	0	0	0
Breeding	VP 3	03/08/2022	13:52	1	0	45	80	0	0
Breeding	VP9	08/08/2022	14:40	1	0	60	180	210	0
Breeding	VP 6	30/08/2022	11:26	1	30	25	0	0	0
Breeding	VP 6	30/08/2022	17:28	1	15	15	0	0	0
Breeding	VP 7	31/08/2022	11:57	1	30	15	145	0	0
Breeding	VP 3	06/09/2022	12:04	1	0	35	90	80	65
Breeding	VP9	08/09/2022	10:55	1	30	0	0	0	0
Non-breeding	VP7	05/10/2022	17:05	1	0	35	0	0	0
Non-breeding	VP11	13/10/2022	09:45	1	35	0	0	0	0
Non-breeding	VP6	18/10/2022	09:40	1	5	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP6	18/10/2022	11:39	1	0	0	0	0	0
Non-breeding	VP6	21/11/2022	13:29	1	4	0	0	0	0
Non-breeding	VP10	01/12/2022	12:05	1	0	60	60	60	180
Non-breeding	VP11	06/12/2022	12:05	1	30	0	0	0	0
Non-breeding	VP11	06/12/2022	13:55	1	30	0	0	0	0
Non-breeding	VP10	09/01/2023	13:30	1	0	35	0	0	0
Non-breeding	VP7	19/01/2023	13:45	1	15	0	0	0	0
Non-breeding	VP11	20/01/2023	10:35	1	0	35	0	0	0
Non-breeding	VP11	20/01/2023	10:55	1	0	20	20	30	60
Non-breeding	VP11	20/01/2023	13:30	1	0	0	45	0	0
Non-breeding	VP10	02/02/2023	11:05	1	25	0	0	0	0
Non-breeding	VP9	09/02/2023	12:55	1	0	30	30	60	120
Non-breeding	VP11	13/02/2023	13:30	1	10	0	0	0	0
Non-breeding	VP9	14/03/2023	14:35	1	0	30	75	0	0
Non-breeding	VP9	14/03/2023	14:55	2	25	0	0	0	0
Non-breeding	VP11	20/03/2023	14:25	1	0	0	290	0	0
Non-breeding	VP4	21/03/2023	10:57	1	1	0	0	0	0
Breeding	VP9	07/04/2023	15:26	1	35	0	0	0	0
Breeding	VP5	13/04/2023	13:47	1	0	30	270	0	0
Breeding	VP11	14/04/2023	16:05	1	30	65	0	0	0
Breeding	VP6	14/04/2023	07:11	1	10	0	0	0	0
Breeding	VP8	23/05/2023	12:08	1	0	0	210	0	0
Breeding	VP5	26/06/2023	18:37	1	0	0	318	10	40
Breeding	VP4	06/07/2023	11:05	1	10	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP7	08/08/2023	14:56	1	15	0	0	0	0
Breeding	VP5	11/08/2023	14:48	1	20	0	0	0	0
Breeding	VP4	29/09/2023	09:50	1	0	30	35	0	0
Breeding	VP4	29/09/2023	12:55	1	10	0	0	0	0
Non-breeding	VP8	02/10/2023	13:26	1	0	0	210	35	0
Non-breeding	VP11	07/10/2023	10:12	1	0	0	385	50	0
Non-breeding	VP6	03/11/2023	11:50	1	140	0	0	0	0
Non-breeding	VP1	07/11/2023	10:39	1	2	0	0	0	0
Non-breeding	VP9	05/12/2023	12:50	1	25	0	0	0	0
Non-breeding	VP7	15/01/2024	11:35	1	10	0	0	0	0
Non-breeding	VP7	15/01/2024	11:50	1	20	0	0	0	0
Non-breeding	VP11	22/02/2024	14:10	1	0	0	170	35	30
Non-breeding	VP9	28/02/2024	16:28	1	15	0	0	0	0
Breeding	VP6	06/06/2024	09:15	1	30	65	0	0	0
Breeding	VP9	19/06/2024	18:12	1	10	0	0	0	0
Breeding	VP7	02/07/2024	10:10	1	0	0	250	0	0
Breeding	VP11	23/07/2024	18:57	1	20	0	0	0	0
Breeding	VP5	29/07/2024	10:51	1	3	1	0	0	0
Breeding	VP5	29/07/2024	11:48	1	0	5	0	0	0
Breeding	VP8	12/08/2024	08:10	1	20	0	0	0	0
Breeding	VP11	19/08/2024	17:58	1	10	20	0	0	0
Breeding	VP9	02/09/2024	16:08	1	0	0	285	30	0
Breeding	VP7	05/09/2024	13:20	1	10	0	0	0	0

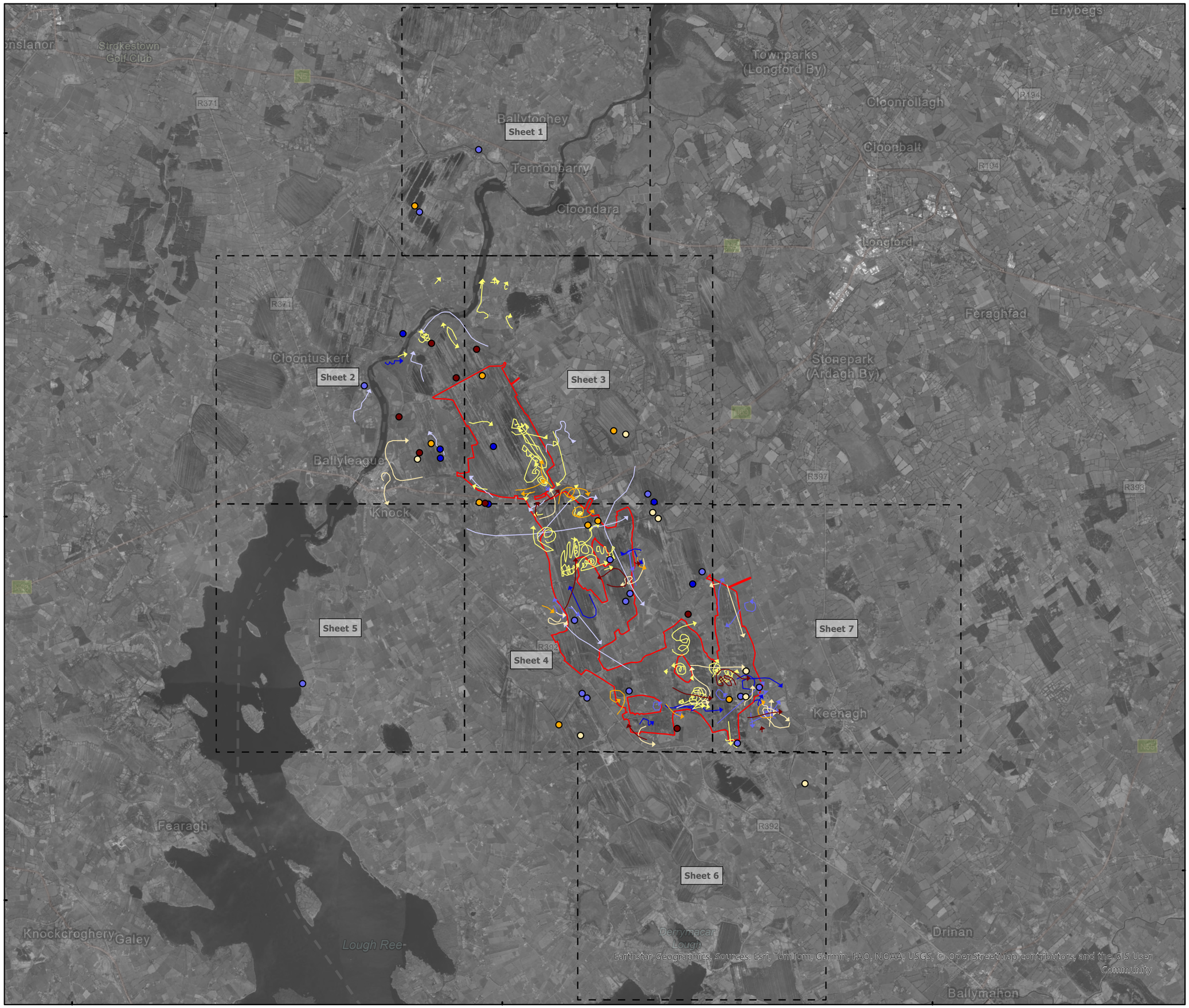
I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01917	Non-breeding	Ref No 5	13/10/2022	1	Hunting around VP	N/A	N/A
P01923	Non-breeding	Derrycashel Bog	14/10/2022	1	Hunting around bog.	N/A	N/A
P01976	Non-breeding	Ref No 13	16/11/2022	1	Hunting along the road side.	N/A	N/A
P04180	Breeding	Derrycashel Bog	14/04/2023	2	Hunting	N/A	N/A
P04710	Breeding	Onsite	03/08/2023	1	Hunting.	N/A	N/A

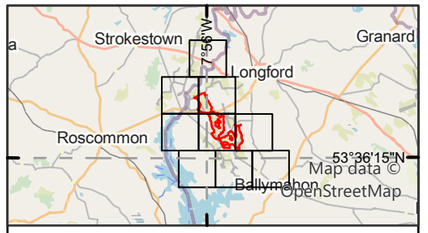
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01041	Breeding	T20	20/04/2022	N/A	1	PB4	Soaring	F	Non-Breeding
P01443	Breeding	T6	17/06/2022	N/A	1	PB4	Hunting.	N/A	N/A
P01554	Breeding	T18	13/07/2022	N/A	1	PB4	Hunting	N/A	N/A
P01665	Breeding	T20	09/08/2022	N/A	2	PB4	Hunting	N/A	N/A
P01782	Breeding	T18	14/09/2022	N/A	1	PB4	Hunting	N/A	N/A
P02617	Non-breeding	T17	05/10/2022	13:50	1	PB4	Hunting	N/A	N/A
P02665	Non-breeding	T18	06/10/2022	14:15	1	PB4	Hunting	N/A	N/A
P03297	Non-breeding	T13	13/01/2023	08:55	1	PB4	Hunting	N/A	N/A
P03505	Non-breeding	T19	09/02/2023	09:40	1	PB4	Hunting	N/A	N/A
P03553	Non-breeding	T16	10/02/2023	09:50	1	PB4	Hunting	N/A	N/A
P03567	Non-breeding	T20	13/02/2023	15:05	1	PB4	Hunting	N/A	N/A
P03597	Non-breeding	T18	14/02/2023	09:30	1	PB4	Hunting	N/A	N/A
P03646	Non-breeding	T12	15/02/2023	10:35	1	PB4	Hunting	N/A	N/A
P03905	Non-breeding	T12	16/03/2023	11:20	1	PB4	Hunting	N/A	N/A
P04253	Breeding	T11	13/04/2023	16:55	1	PB4	N/A	N/A	N/A
P04560	Breeding	T11	28/06/2023	09:56	1	WN7	N/A	H	Possible
P04870	Breeding	T18	26/09/2023	15:28	1	PB4	N/A	N/A	N/A
P04805	Breeding	T6	29/09/2023	11:10	1	PB4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04874	Breeding	T8	29/09/2023	09:51	1	wn7	N/A	N/A	N/A
P06356	Non-breeding	T21	03/10/2023	11:45	1	PB4	Hunting	N/A	N/A
P06168	Non-breeding	T2	08/11/2023	11:40	1	GS4	Hunting	N/A	N/A
P06176	Non-breeding	T7	09/11/2023	13:40	1	PB4	Hunting	N/A	N/A
P05969	Non-breeding	T20	01/02/2024	13:25	1	PB4	N/A	N/A	N/A
P05971	Non-breeding	T9	02/02/2024	12:00	1	PB4	N/A	N/A	N/A
P05979	Non-breeding	T7	13/02/2024	12:05	1	PB4	N/A	N/A	N/A
P06051	Non-breeding	8	11/03/2024	12:00	1	PB4	N/A	N/A	N/A
P04927	Breeding	T5	15/04/2024	11:15	1	PB4	N/A	N/A	N/A
P05428	Breeding	T6	02/07/2024	11:30	1	PB4	N/A	N/A	N/A
P05443	Breeding	T1	05/07/2024	09:05	1	PB4	N/A	N/A	N/A
P05501	Breeding	T18	23/07/2024	09:10	1	WD4	N/A	N/A	N/A
P05658	Breeding	T8	19/08/2024	15:24	1	wn7	N/A	N/A	N/A
P05733	Breeding	T3	05/09/2024	12:20	1	GM1	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P01341	Breeding	RVP6	04/05/2022	1	F	Non-Breeding
P01618	Breeding	RVP8	14/07/2022	1	N/A	N/A
P01727	Breeding	RVP 1	06/09/2022	1	N/A	N/A
P04531	Breeding	RVP 1	09/06/2023	1	F	Non-Breeding
P04574	Breeding	RVP 6	30/06/2023	1	F	Non-Breeding
P05134	Breeding	2KM Buffer	10/05/2024	1	N/A	N/A
P05707	Breeding	West of RVP3	09/09/2024	1	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P03949	Non-breeding	05/10/2022	1	N/A	N/A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 1.5 3
Kilometres

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Rev	Date	Description	By	Chkd.
A	01/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Eurasian Sparrowhawk Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-020.ApX-SUM-SH-TOB-A

Draft: A

7°53'50"W

53°45'0"N

604000

776000

Ballytoohey

Termonbarry

Cloondara

P01976

P04180

P01923

L1462

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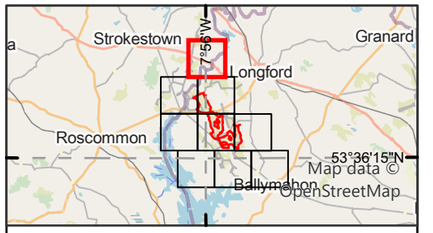

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-23

*should be read with data in Appendix 8.3

0 0.5 1
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Rev	Date	Description	By	Chkd.
A	01/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Sparrowhawk
Sheet 1 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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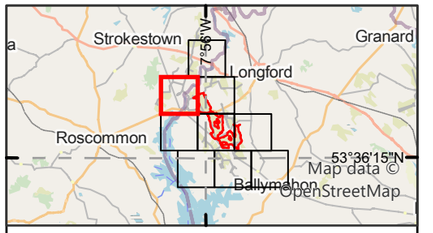
Map Ref: 11399-020.ApX-SUM-SH-TOB-A

Draft: A

8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-23/24
- Breeding-21
- Breeding-22

*should be read with data in Appendix 8.3

0 0.5 1
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A	01/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Eurasian Sparrowhawk Sheet 2 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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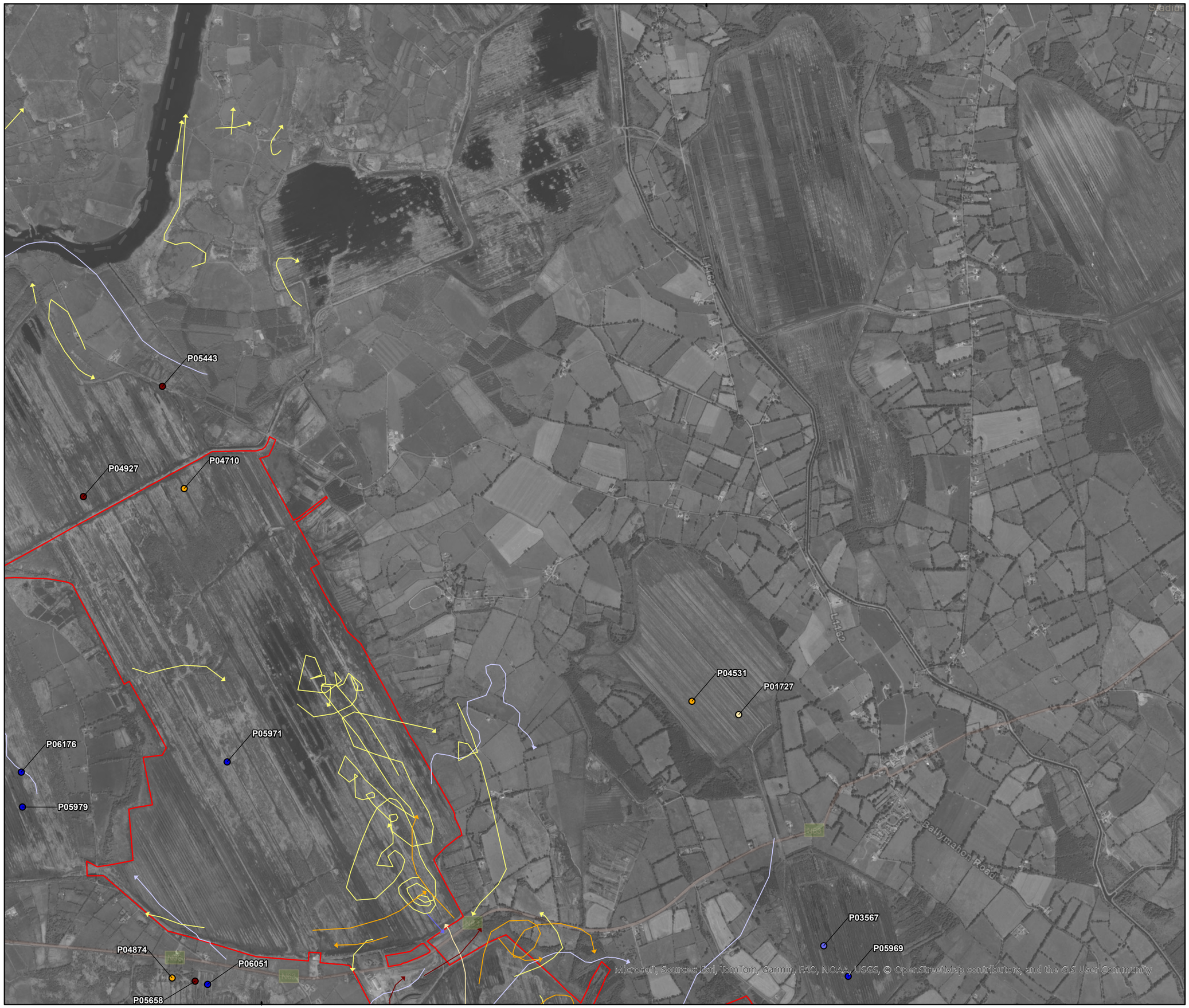
Map Ref: 11399-020.ApX-SUM-SH-TOB-A

Draft: A

7°53'50"W



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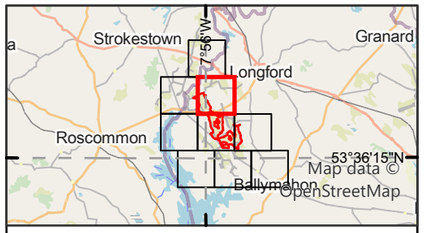

Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
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Rev	Date	Description	By	Chkd.
A	01/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Sparrowhawk
Sheet 3 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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Map Ref: 11399-020.ApX-SUM-SH-TOB-A

Draft: A

7°53'50"W

53°40'0"N

768000

604000

P04874
P06051
P05658
P05969
P01665
P01041
P04560
P04253
P02500
P02617
P06356
P03646
P03905
P03297
P05134
P02495
P02496
P03553
P03597
P04870
P04574
P05501
P01341
P03505

N63
R392
R398
L4155
Ballymahon Road

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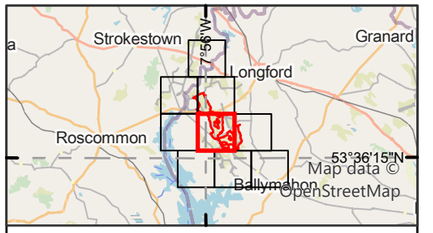

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

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2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE\
3. ENGINEER TO BE INFORMED OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES\
4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

A	01/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Sparrowhawk
Sheet 4 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-020.ApX-SUM-SH-TOB-A

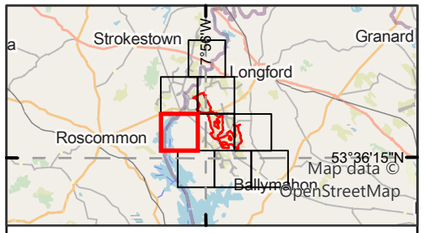
Draft: A

8°2'40"W

53°40'0"N

768000





Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Breeding-22

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.
A	01/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Eurasian Sparrowhawk Sheet 5 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-020.ApX-SUM-SH-TOB-A

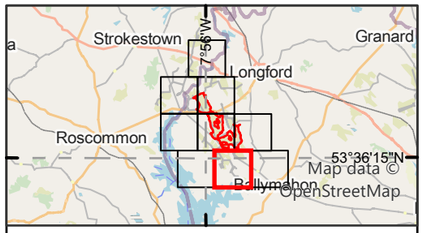
Draft: A

7°53'50"W

53°35'0"N

760000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

Breeding-22

Flightline observations - Seasons

Breeding-21

*should be read with data in Appendix 8.3

0 0.5 1
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A	01/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Eurasian Sparrowhawk
Sheet 6 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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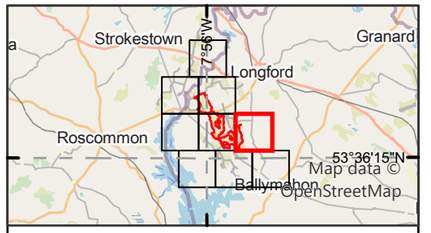

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.
A	01/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Sparrowhawk
Sheet 7 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Draft: A

Appendix 8.3v EURASIAN TEAL

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP3	04/05/2021	16:23	1	23	0	0	0	0
Breeding	VP1	06/07/2021	15:06	4	0	0	119	0	0
Non-breeding	VP2	23/11/2021	08:50	18	16	0	0	0	0
Non-breeding	VP4	25/11/2021	08:18	3	20	0	0	0	0
Non-breeding	VP4	25/11/2021	10:50	15	3600*	0	0	0	0
Non-breeding	VP5	26/11/2021	10:44	21	8	40	0	0	0
Non-breeding	VP5	26/11/2021	11:37	7	15	32	0	0	0
Non-breeding	VP5	26/11/2021	11:42	32	50	71	0	0	0
Non-breeding	VP1	13/12/2021	10:13	1	2	5	13	0	0
Non-breeding	VP6	16/12/2021	12:03	18	3	0	0	0	0
Non-breeding	VP1	07/01/2022	11:00	11	5	0	0	0	0
Non-breeding	VP1	07/01/2022	15:11	7	10	0	0	0	0
Non-breeding	VP5	25/01/2022	09:36	2	10	0	0	0	0
Non-breeding	VP1	01/02/2022	09:58	11	10	0	0	0	0
Non-breeding	VP4	28/02/2022	12:04	15	0	15	0	0	0
Non-breeding	VP1	02/03/2022	10:05	9	5	0	0	0	0
Non-breeding	VP4	08/03/2022	11:57	1	5	0	0	0	0
Breeding	VP 1	12/04/2022	18:25	4	10	15	0	0	0
Non-breeding	VP5	17/10/2022	12:41	3	4	0	0	0	0
Non-breeding	VP5	28/11/2022	10:00	15	4	6	0	0	0
Non-breeding	VP 1	16/12/2022	11:13	3	2	0	0	0	0
Non-breeding	VP5	30/12/2022	13:10	8	5	0	0	0	0
Non-breeding	VP11	20/03/2023	13:50	3	10	0	0	0	0
Non-breeding	VP9	12/10/2023	09:02	3	10	0	0	0	0
Non-breeding	VP1	07/11/2023	08:55	7	6	0	0	0	0
Non-breeding	VP4	12/11/2023	10:58	1	6	0	0	0	0
Non-breeding	VP5	25/03/2024	10:42	2	10	5	0	0	0
Non-breeding	VP5	25/03/2024	11:28	1	4	2	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP10	04/09/2024	08:15	3	0	30	0	0	0
Breeding	VP4	24/09/2024	11:05	4	4	6	0	0	0

*Surveyor sample error – record not included in the collision risk model

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00915	Breeding	VP1	12/04/2022	18:26	4	FW2	In suitable breeding habitat	H	Possible
P01879	Non-breeding	VP7	08/03/2023	13:20	17	PB4	Foraging.	N/A	N/A
P04113	Breeding	VP1	22/05/2023	N/A	2	N/A	Feeding	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01796	Breeding	Ref No: 8	13/09/2022	12	Roosting around the shoreline.	N/A	N/A
P01814	Breeding	Rhynmount Bog.	14/09/2022	12	Swimming around wetland.	N/A	N/A
P01942	Non-breeding	iwebs 1234	31/10/2022	13	Seen swimming towards the centre	N/A	N/A
P02018	Non-breeding	Site 4	06/11/2022	15	On water with MA	N/A	N/A
P02020	Non-breeding	Near site 4, LeTergullion	06/11/2022	20	Swimming on open water	N/A	N/A
P01984	Non-breeding	Derrycashel Bog	16/11/2022	3	Flyover	N/A	N/A
P02030	Non-breeding	Ref No 8	07/12/2022	35	Foraging/ Swimming on open water.	N/A	N/A
P02040	Non-breeding	Ref No 10	07/12/2022	90	Foraging/ Swimming on open water.	N/A	N/A
P02068	Non-breeding	Rhynmount Bog	08/12/2022	45	Foraging/ Swimming on wetlands.	N/A	N/A
P02072	Non-breeding	Ref No 13	08/12/2022	2	Swimming on flooded field.	N/A	N/A
P02178	Non-breeding	Ref No 10	10/01/2023	15	Swimming on flooded field.	N/A	N/A
P02198	Non-breeding	Rhynmount Bog VP3	13/01/2023	150	Foraging on wetland.	N/A	N/A
P02203	Non-breeding	Derrycashel Bog	23/01/2023	2	Foraging on wetland.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02247	Non-breeding	Derrycashel Bog	10/02/2023	4	Swimming on wetland.	N/A	N/A
P02262	Non-breeding	Rhynmount Bog VP1	16/02/2023	3	Roosting on wetland.	N/A	N/A
P02274	Non-breeding	Rhynmount Bog VP3	16/02/2023	40	Foraging on wetland.	N/A	N/A
P02417	Non-breeding	Ref No 8	03/03/2023	15	Foraging on open water.	N/A	N/A
P02435	Non-breeding	Ref No 5	03/03/2023	9	Foraging on open water.	N/A	N/A
P02469	Non-breeding	Rhynmount Bog VP3	16/03/2023	5	Foraging	N/A	N/A
P02472	Non-breeding	Ref No 13	16/03/2023	8	Foraging	N/A	N/A
P02476	Non-breeding	Ref No 12	16/03/2023	19	Foraging	N/A	N/A
P02395	Non-breeding	Carrigens turlough/fields	24/03/2023	11	Most roosting on ground, 2 in water	N/A	N/A
P02408	Non-breeding	East of Location 4	24/03/2023	21	Most roosting, a few on water	N/A	N/A
P04168	Breeding	Ref No 8	14/04/2023	6	Foraging	N/A	N/A
P04178	Breeding	Derrycashel Bog	14/04/2023	4	Foraging	N/A	N/A
P04191	Breeding	Ref No 12	14/04/2023	6	Foraging	N/A	N/A
P04352	Breeding	Derrycashel Bog	03/05/2023	3	Swimming	N/A	N/A
P04608	Breeding	Onsite	07/07/2023	2	Swimming	N/A	N/A
P04622	Breeding	Derrycashel Bog	07/07/2023	1	Swimming	N/A	N/A
P04721	Breeding	Onsite	03/08/2023	1	Flushed from cover.	N/A	N/A
P04724	Breeding	Rhynmount VP2	03/08/2023	3	Swimming	N/A	N/A
P04813	Breeding	Ref No: 8	28/09/2023	6	Foraging	N/A	N/A
P04831	Breeding	Onsite	29/09/2023	6	Flushed from cover.	N/A	N/A
P06185	Non-breeding	Ref No: 10	08/11/2023	5	Foraging	N/A	N/A
P06192	Non-breeding	Ref No: 8	08/11/2023	3	Swimming	N/A	N/A
P06294	Non-breeding	4	23/11/2023	16	16 Teal on Turlough	N/A	N/A
P06316	Non-breeding	4	27/11/2023	12	12 Teal on turlough	N/A	N/A
P06555	Non-breeding	4	06/12/2023	38	38 Teal on lake	N/A	N/A
P06561	Non-breeding	4	06/12/2023	22	22 Teal on turlough	N/A	N/A
P06498	Non-breeding	Rhynmount	08/12/2023	6	Swimming	N/A	N/A
P06502	Non-breeding	Ref No: 8	11/12/2023	35	Swimming	N/A	N/A
P06572	Non-breeding	4	18/12/2023	18	18 Teal on turlough	N/A	N/A
P06579	Non-breeding	4	18/12/2023	12	12 Teal on turlough	N/A	N/A
P06595	Non-breeding	Ref No: 12	05/01/2024	12	N/A	N/A	N/A

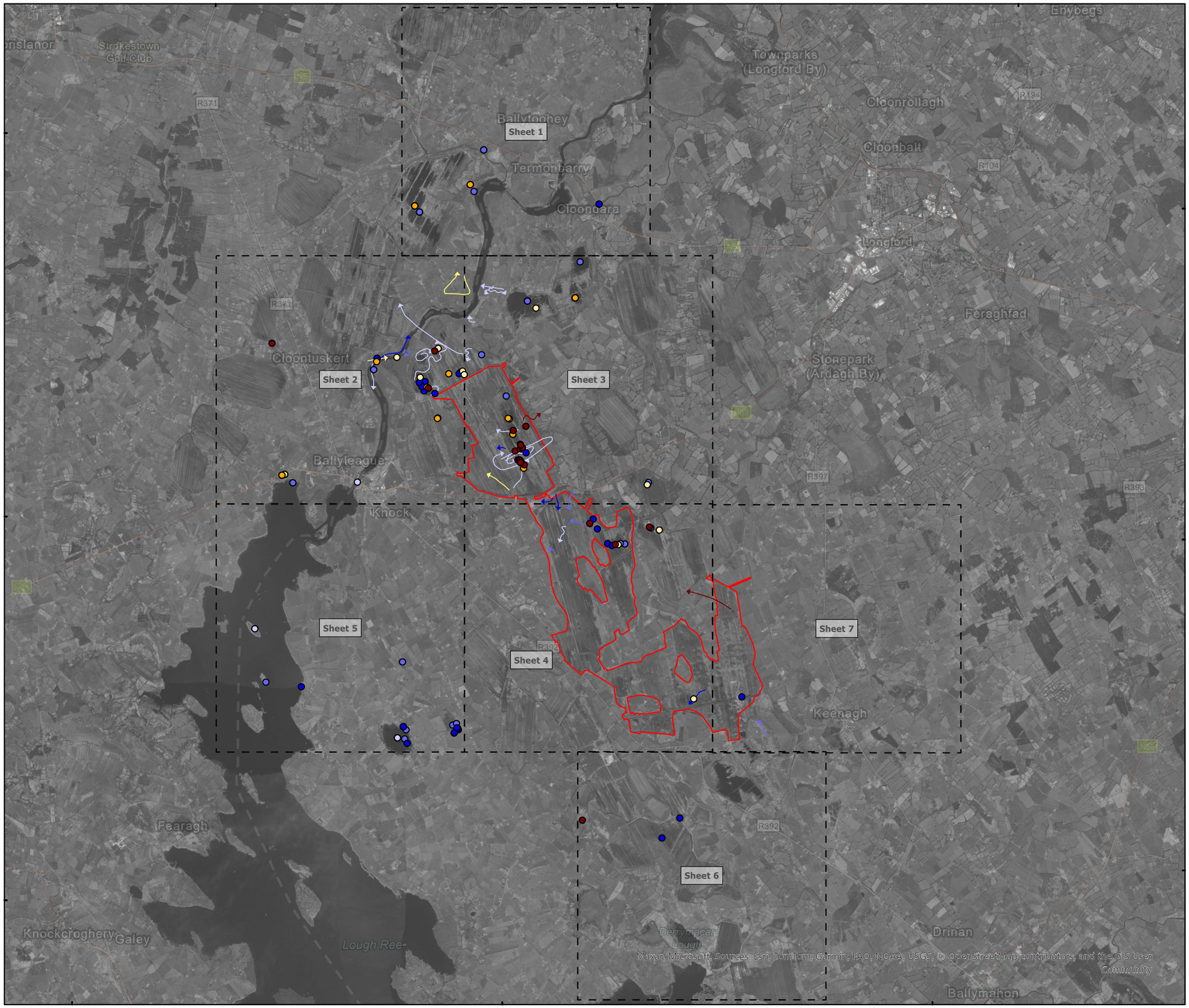
I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06598	Non-breeding	Ref No: 8	05/01/2024	14	N/A	N/A	N/A
P06609	Non-breeding	Derrycashel Bog	05/01/2024	4	N/A	N/A	N/A
P06620	Non-breeding	Ref No: 17	12/01/2024	26	N/A	N/A	N/A
P06628	Non-breeding	Rhynmount	12/01/2024	6	N/A	N/A	N/A
P06648	Non-breeding	Southern half of site	25/01/2024	12	N/A	N/A	N/A
P06653	Non-breeding	Southern half of site	25/01/2024	15	N/A	N/A	N/A
P06662	Non-breeding	Southern half of site	25/01/2024	15	N/A	N/A	N/A
P06677	Non-breeding	Ref No: 10	06/02/2024	4	N/A	N/A	N/A
P06681	Non-breeding	Ref No: 8	06/02/2024	4	N/A	N/A	N/A
P06689	Non-breeding	Derrycashel Bog	06/02/2024	2	N/A	N/A	N/A
P06704	Non-breeding	Ref No: 17	14/02/2024	16	N/A	N/A	N/A
P06712	Non-breeding	Rhynmount	14/02/2024	6	N/A	N/A	N/A
P06727	Non-breeding	Southern half of site	19/02/2024	3	3 Teal took flight from small bog pool	N/A	N/A
P06737	Non-breeding	Southern half of site	19/02/2024	19	On Turlough	N/A	N/A
P06743	Non-breeding	Southern half of site	19/02/2024	12	On Turlough	N/A	N/A
P06748	Non-breeding	Southern half of site	21/02/2024	16	On Turlough	N/A	N/A
P06761	Non-breeding	Southern half of site	23/02/2024	6	6 Teal took flight from flooded area of bog	N/A	N/A
P06772	Non-breeding	Ref No: 10	07/03/2024	10	Swimming	N/A	N/A
P06777	Non-breeding	Ref No: 8	07/03/2024	22	Roosting	N/A	N/A
P06804	Non-breeding	Ref No: 17	08/03/2024	16	Swimming	N/A	N/A
P04941	Breeding	Ref No:2	08/04/2024	1	Male. Flushed from cover.	N/A	N/A
P05166	Breeding	2Km Buffer	14/05/2024	2	2 Teal took flight from wetland.	N/A	N/A
P05671	Breeding	2 Km buffer	20/08/2024	3	3 Teal took flight from wetland	N/A	N/A
P05677	Breeding	2 Km buffer	20/08/2024	18	18 Teal took flight from wetland	N/A	N/A
P05810	Breeding	2km buffer	04/09/2024	2	2 Teal on lake	N/A	N/A
P05776	Breeding	Ref No:11	06/09/2024	6	Swimming.	N/A	N/A
P05846	Breeding	2km buffer	16/09/2024	12	12 Teal took flight from wetland	N/A	N/A

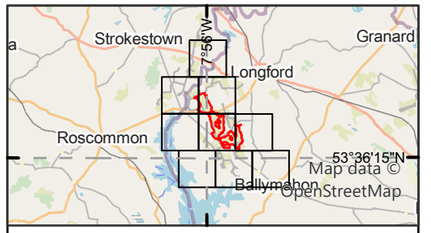
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01149	Breeding	T4	12/04/2022	09:48	12	pb4	H	H	Possible
P01176	Breeding	T5	17/05/2022	07:20	2	pb4	h	H	Possible
P01184	Breeding	T4	17/05/2022	08:14	2	pb4	H	H	Possible
P01353	Breeding	T5	09/06/2022	11:25	1	pb4	N/A	H	Possible
P01757	Breeding	T11	12/09/2022	N/A	9	PB4	Flushed	N/A	N/A
P01764	Breeding	T20	12/09/2022	N/A	22	PB4	Flushed	N/A	N/A
P01767	Breeding	T20	12/09/2022	N/A	6	PB4	Flushed	N/A	N/A
P01775	Breeding	T10	13/09/2022	N/A	2	PB4	Flushed	N/A	N/A
P01779	Breeding	T18	14/09/2022	N/A	18	PB4	Flushed	N/A	N/A
P02598	Non-breeding	T20	05/10/2022	12:20	7	PB4	Flushed	N/A	N/A
P02601	Non-breeding	T20	05/10/2022	12:55	7	PB4	Flushed	N/A	N/A
P03680	Non-breeding	T1	17/02/2023	N/A	1	FL1	Swimming	N/A	N/A
P03926	Non-breeding	T20	20/03/2023	10:30	22	PB4	Foraging	N/A	N/A
P04231	Breeding	T10	06/04/2023	10:50	1	PB4	N/A	H	Possible
P04662	Breeding	T10	21/07/2023	14:23	4	FL8	N/A	N/A	N/A
P04785	Breeding	T7	31/08/2023	09:42	2	FL1	N/A	N/A	N/A
P04848	Breeding	T7	07/09/2023	13:40	2	fl1	N/A	N/A	N/A
P04794	Breeding	T4	25/09/2023	11:00	2	PB4	N/A	N/A	N/A
P04800	Breeding	T5	25/09/2023	12:35	15	PB4	N/A	N/A	N/A
P06405	Non-breeding	T10	06/10/2023	15:45	15	PB4	Swimming	N/A	N/A
P06249	Non-breeding	T18	23/11/2023	14:58	5	PB4	Swimming	N/A	N/A
P06260	Non-breeding	T4	27/11/2023	15:25	36	PB4	Swimming	N/A	N/A
P06532	Non-breeding	T4	19/12/2023	15:22	26	PB4	Swimming	N/A	N/A
P05921	Non-breeding	T4	03/01/2024	10:30	3	PB4	N/A	N/A	N/A
P05922	Non-breeding	T4	03/01/2024	10:40	60	PB4	N/A	N/A	N/A
P05989	Non-breeding	T4	20/02/2024	09:12	26	PB4	N/A	N/A	N/A
P06005	Non-breeding	T10	29/02/2024	09:18	12	PB4	N/A	N/A	N/A
P06067	Non-breeding	T11	05/03/2024	13:18	2	PB4	N/A	N/A	N/A
P06071	Non-breeding	T4	05/03/2024	15:43	21	PB4	N/A	N/A	N/A
P06078	Non-breeding	T10	06/03/2024	10:08	10	PB4	N/A	N/A	N/A
P05029	Breeding	Transect 10	10/04/2024	15:41	2	pb4	N/A	P	Probable

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05030	Breeding	Transect 10	10/04/2024	15:48	3	pb4	N/A	P	Probable
P05036	Breeding	Transect 10	10/04/2024	15:58	2	pb4	N/A	P	Probable
P05077	Breeding	T4	10/05/2024	08:25	1	PB4	N/A	A	Probable
P05638	Breeding	T10	07/08/2024	13:45	6	PB4	N/A	N/A	N/A
P05643	Breeding	T10	07/08/2024	13:59	4	PB4	N/A	N/A	N/A
P05647	Breeding	T11	07/08/2024	16:15	2	PB4	N/A	N/A	N/A
P05797	Breeding	T11	03/09/2024	14:50	18	PB4	N/A	N/A	N/A
P05816	Breeding	T10	04/09/2024	16:40	3	PB4	N/A	N/A	N/A
P05819	Breeding	T10	04/09/2024	16:42	2	PB4	N/A	N/A	N/A
P05747	Breeding	T5	06/09/2024	10:30	4	PB4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00581	Breeding	HHVP8	09/09/2021	1	N/A	N/A
P00645	Breeding	HHVP8	30/09/2021	6	N/A	N/A
P00695	Non-breeding	HHVP8	26/10/2021	10	N/A	N/A
P00730	Non-breeding	HHVP4	24/11/2021	13	N/A	N/A
P00744	Non-breeding	HHVP7	24/11/2021	5	N/A	N/A
P00767	Non-breeding	HHVP4	25/01/2022	29	N/A	N/A
P00777	Non-breeding	HHVP8	25/01/2022	48	N/A	N/A
P00792	Non-breeding	HHVP4	28/02/2022	6	N/A	N/A
P00801	Non-breeding	HHVP5	28/02/2022	16	N/A	N/A
P00810	Non-breeding	HHVP8	28/02/2022	8	N/A	N/A
P00825	Non-breeding	HHVP4	29/03/2022	12	N/A	N/A
P00827	Non-breeding	HHVP5	29/03/2022	20	N/A	N/A
P00837	Non-breeding	HHVP8	29/03/2022	6	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P04037	Non-breeding	10/02/2023	4	N/A	N/A
P04054	Non-breeding	16/02/2023	2	N/A	N/A
P04065	Non-breeding	03/03/2023	11	N/A	N/A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-24

0 1.5 3
Kilometres

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Rev	Date	Description	By	Chkd.
A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Eurasian Teal Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	March 2025

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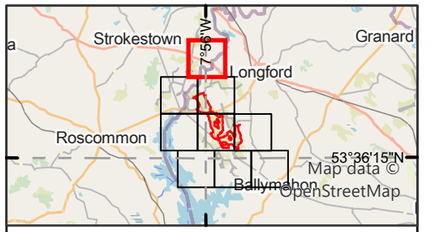

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-23

0 0.5 1
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Rev	Date	Description	By	Chkd.
A	25/03/2025	First issue	S.P	I.H

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Eurasian Teal
Sheet 1 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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Map Ref: 11399-021.ApX-SUM-T.-TOB-A

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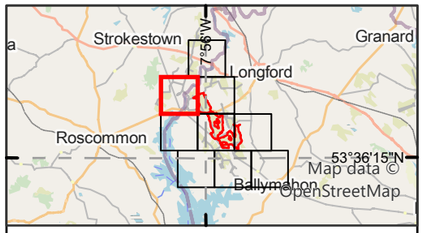
8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.
A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Teal
Sheet 2 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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7°53'50"W

P02262

P01814

P02068, P02198,
P02274, P02469

P04724,
P06498,
P06628, P06712

L-4162

P01184

P03680

P04800

P04054

P01176

P01353

P06025

P04037

P04785

P04608

P01775

P05166

P04848

P05643

P04721,
P04831

P06405

P05819

P05638

P05816

P05036

P06005

P04662

P05671

P05030

P05677

P05846

P05029

P06078

P04231

P03926

P02601

P01767

N63

N63

N63

Ballymahon Road

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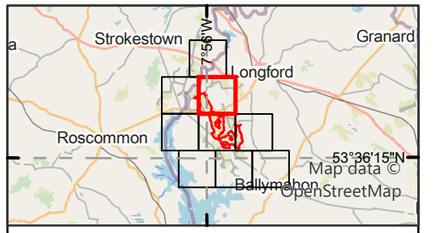
604000



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-24

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.
A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Teal
Sheet 3 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	March 2025

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Map Ref: 11399-021.ApX-SUM-T.-TOB-A

Draft: A

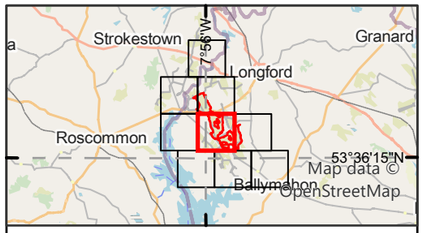
7°53'50"W

53°40'0"N

768000

604000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-24

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.
A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Teal
Sheet 4 of 7

Scale @ A3: 1:22,000

Prepared by: S.Pezzetta | Checked by: I.Heanue | Date: March 2025

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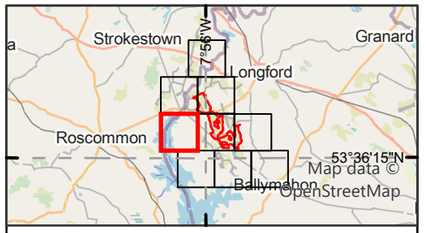
8°2'40"W

53°40'0"N

768000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24

0 0.5 1
Kilometres

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Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Teal
Sheet 5 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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7°53'50"W

53°35'0"N

760000

P05776

P06727

P06761

R392

L5236

Estate Road

Fas Road

Derrymacar Lough

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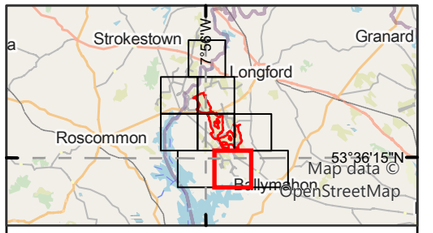

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-23/24
- Breeding-24

0 0.5 1
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Rev	Date	Description	By	Chkd.
A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Teal
Sheet 6 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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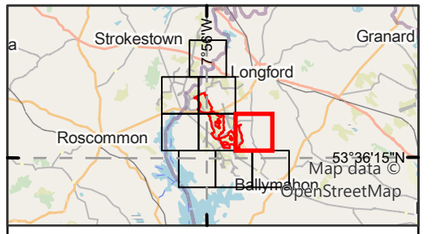

Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-23/24
- Breeding-22

Flightline observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-24

0 0.5 1
Kilometres

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A	25/03/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Eurasian Teal
Sheet 7 of 7

Scale @ A3:	1:22,000	
Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	March 2025

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Appendix 8.3w EURASIAN WHIMBREL

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP4	05/05/2021	14:53	41	0	0	175	0	0
Breeding	VP8	11/05/2021	17:55	147	0	0	543	0	0
Breeding	VP4	13/08/2021	14:42	4	0	0	105	0	0
Breeding	VP8	06/09/2021	18:03	3	0	0	109	0	0
Breeding	VP10	12/05/2022	17:18	1	15	0	0	0	0
Breeding	VP10	12/05/2022	17:54	1	21	0	0	0	0
Breeding	VP10	12/05/2022	18:15	5	14	0	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00931	Breeding	VP10	12/05/2022	15:20	4	PB4	Roosting	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04280	Breeding	Corlea lake	27/04/2023	16	16 Whimbrel at edge of lake-passage migrants	M	Non-Breeding
P04350	Breeding	Ref No: 12	03/05/2023	3	Flyover	F	Non-Breeding
P04364	Breeding	Ref No: 8	03/05/2023	1	Flyover	F	Non-Breeding
P06455	Non-breeding	4	14/10/2023	11	11 Whimbrel on turlough	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05511	Breeding	T17	23/07/2024	12:49	18	PB4	N/A	M	Non-Breeding

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00299	Breeding	HHVP12	13/05/2021	1	N/A	N/A
P00276	Breeding	HHVP8	14/05/2021	1	N/A	N/A

8°2'40"W
7°53'50"W
53°40'0"N
776000
768000
604000
614400

P04350
P00299
P00276
P04364
P00931
P05511
P06455
P04280

Termonbarry
Cloondara
Cloonbalt
Cloonbalt Lane
Demesne
Templemichael Glebe
Longford
City Calling Stadium
Ballymimion
Knockahaw
Ferag
Lisduff (Ed Longford Rural)
Stonepark (Arc Dunbeggan (Moydow By))
Cloontuskert
Ballyleague
Ballyclare
Cullaghy
Knock
Rathcline
Keenagh
Fearagh

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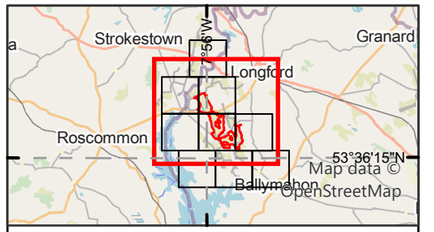
R397
R398
N5
N63



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Breeding-21
- Breeding-22

0 1.5 3
Kilometres

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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Whimbrel
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Appendix 8.3x EURASIAN WIGEON

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP1	06/05/2021	12:55	1	7	0	0	0	0
Breeding	VP1	01/06/2021	09:43	1	10	0	0	0	0
Non-breeding	VP2	23/11/2021	08:28	2	48	0	0	0	0
Non-breeding	VP1	13/12/2021	10:00	40	5	15	21	0	0
Non-breeding	VP1	13/12/2021	10:12	5	4	2	16	0	0
Non-breeding	VP1	13/12/2021	10:40	2	3	3	21	0	0
Non-breeding	VP3	13/12/2021	12:09	2	10	0	0	0	0
Non-breeding	VP3	13/12/2021	13:20	1	0	0	10	0	0
Non-breeding	VP1	07/01/2022	10:16	67	0	30	0	0	0
Non-breeding	VP3	18/01/2022	11:19	4	0	15	0	0	0
Non-breeding	VP1	01/02/2022	09:59	70	10	20	0	0	0
Non-breeding	VP1	02/03/2022	09:40	19	0	30	0	0	0
Non-breeding	VP1	02/03/2022	13:19	70	0	0	20	0	0
Non-breeding	VP1	02/03/2022	13:30	130	0	0	100	0	0
Non-breeding	VP1	16/12/2022	13:48	3	5	0	0	0	0
Non-breeding	VP5	30/12/2022	10:26	4	4	1	0	0	0
Non-breeding	VP5	30/12/2022	13:10	7	5	0	0	0	0
Non-breeding	VP1	09/01/2023	10:28	9	2	7	0	0	0
Non-breeding	VP1	11/12/2023	14:34	4	6	0	0	0	0
Non-breeding	VP1	25/02/2024	10:17	2	5	0	0	0	0
Non-breeding	VP3	07/03/2024	14:37	2	5	3	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01844	Non-breeding	VP5	28/11/2022	10:42	4	FL8	Swimming Roosting	N/A	N/A
P01878	Non-breeding	VP7	08/03/2023	13:20	32	PB4	Foraging.	N/A	N/A
P05867	Non-breeding	VP1	11/12/2023	10:05	1	N/A	Swimming	N/A	N/A
P05880	Non-breeding	VP7	02/02/2024	08:05	25	N/A	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01815	Breeding	Rhynmount Bog.	14/09/2022	3	Swimming around wetland.	N/A	N/A
P01895	Non-breeding	Rhynmount Bog	12/10/2022	65	Foraging on wetlands.	N/A	N/A
P01907	Non-breeding	Ref No 8	13/10/2022	10	Roosting around shore-line.	N/A	N/A
P01944	Non-breeding	iwebs 1234	31/10/2022	4	towards the centre with MA	N/A	N/A
P02013	Non-breeding	Site 4	06/11/2022	10	Most roosting but 3 on water	N/A	N/A
P02021	Non-breeding	Near site 4, LeTergullion	06/11/2022	16	Roosting (WN,SV, MA, L)	N/A	N/A
P01971	Non-breeding	Rhynmount Bog	16/11/2022	235	Foraging/ Swimming on wetlands.	N/A	N/A
P01981	Non-breeding	Derrycashel Bog	16/11/2022	9	Roosting on wetlands.	N/A	N/A
P02029	Non-breeding	Ref No 8	07/12/2022	155	Foraging/ Swimming on open water.	N/A	N/A
P02039	Non-breeding	Ref No 10	07/12/2022	115	Foraging/ Swimming on open water.	N/A	N/A
P02065	Non-breeding	Rhynmount Bog	08/12/2022	280	Foraging/ Swimming on wetlands.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02074	Non-breeding	Ref No 12	08/12/2022	32	Roosting on open water.	N/A	N/A
P02080	Non-breeding	Derrycashel Bog	08/12/2022	4	Swimming on wetland.	N/A	N/A
P02105	Non-breeding	West of Liscacusha, Turlough, North side	27/12/2022	27	Mostly on water but around 7 or 8 roosting and loafing about out of the water	N/A	N/A
P02107	Non-breeding	West of Liscacusha, Turlough, South side	27/12/2022	7	On water in middle of turlough/flooded field	N/A	N/A
P02114	Non-breeding	Site 4, Turlough at LeTergullion	27/12/2022	25	Near road on east side of turlough. Flew off and landed on water	N/A	N/A
P02125	Non-breeding	Newpark, turlough slightly to the east of Turlough Site 4 (same complex)	27/12/2022	21	Feeding in mixed group of MA TU and SV WN	N/A	N/A
P02172	Non-breeding	Ref No 8	10/01/2023	55	Swimming on open water.	N/A	N/A
P02195	Non-breeding	Rhynmount Bog VP3	13/01/2023	320	Foraging on wetland.	N/A	N/A
P02138	Non-breeding	NE of Lisnacusha	29/01/2023	14	Swimming	N/A	N/A
P02148	Non-breeding	Site 4, Turlough	29/01/2023	80	Mostly in one large group on northern edge	N/A	N/A
P02158	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	11	Swimming in middle with SV	N/A	N/A
P02164	Non-breeding	Greenhall Upper	29/01/2023	160	Very large group, some on bank but most on water. Seperated into 4 large groups plus some smaller groups	N/A	N/A
P02318	Non-breeding	NE of Lisnacusha	29/01/2023	14	Swimming	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02328	Non-breeding	Site 4, Turlough	29/01/2023	80	Mostly in one large group on northern edge	N/A	N/A
P02338	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	11	Swimming in middle with SV	N/A	N/A
P02344	Non-breeding	Greenhall Upper	29/01/2023	160	Very large group, some on bank but most on water. Seperated into 4 large groups plus some smaller groups	N/A	N/A
P02223	Non-breeding	Ref No 8	03/02/2023	85	Roosting on open water.	N/A	N/A
P02275	Non-breeding	Rhynmount Bog VP3	16/02/2023	95	Foraging on wetland.	N/A	N/A
P02283	Non-breeding	Lisnacusha turlough/fields	25/02/2023	17	Swimming or roosting and loafing at water's edge	N/A	N/A
P02289	Non-breeding	Site 4 Turlough	25/02/2023	70	Swimming and feeding. Dispersed thoughout lough	N/A	N/A
P02302	Non-breeding	East of Site 4, Newpark	25/02/2023	22	On water in flooded field, various locations	N/A	N/A
P02303	Non-breeding	South of Site 4. Flooded field/mini-turlough complex	25/02/2023	150	On small pools, turlough and wet grass	N/A	N/A
P02310	Non-breeding	Loughpark, Site 3	25/02/2023	8	Swimming with TU	N/A	N/A
P02354	Non-breeding	Lisnacusha turlough/fields	25/02/2023	17	Swimming or roosting and loafing at water's edge	N/A	N/A
P02360	Non-breeding	Site 4 Turlough	25/02/2023	70	Swimming and feeding. Dispersed throughout lough	N/A	N/A
P02373	Non-breeding	East of Site 4, Newpark	25/02/2023	22	On water in flooded field, various locations	N/A	N/A
P02374	Non-breeding	South of Site 4. Flooded field/mini-turlough complex	25/02/2023	150	On small pools, turlough and wet grass	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02381	Non-breeding	Loughpark, Site 3	25/02/2023	8	Swimming with TU	N/A	N/A
P02415	Non-breeding	Ref No 8	03/03/2023	72	Foraging on open water.	N/A	N/A
P02432	Non-breeding	Ref No 5	03/03/2023	7	Foraging on open water.	N/A	N/A
P02464	Non-breeding	Rhynmount Bog VP3	16/03/2023	21	Foraging	N/A	N/A
P02399	Non-breeding	Carrigens turlough/fields	24/03/2023	4	On water	N/A	N/A
P02402	Non-breeding	Location 4, Turlough	24/03/2023	23	Most roosting, a few on water	N/A	N/A
P02409	Non-breeding	East of Location 4	24/03/2023	8	On water	N/A	N/A
P02413	Non-breeding	Field / pool complex	24/03/2023	52	On water but flushed, circled around and landed again	N/A	N/A
P04169	Breeding	Ref No 8	14/04/2023	7	Foraging	N/A	N/A
P04183	Breeding	Derrycashel Bog	14/04/2023	2	Foraging	N/A	N/A
P06184	Non-breeding	Ref No: 10	08/11/2023	25	Foraging	N/A	N/A
P06188	Non-breeding	Ref No: 8	08/11/2023	80	Foraging	N/A	N/A
P06197	Non-breeding	Derrycashel Bog	08/11/2023	24	Foraging	N/A	N/A
P06202	Non-breeding	Ref No: 12	13/11/2023	36	Swimming	N/A	N/A
P06272	Non-breeding	4	20/11/2023	36	36 Wigeon on Turlough	N/A	N/A
P06279	Non-breeding	4	20/11/2023	25	25 Wigeon on turlough	N/A	N/A
P06288	Non-breeding	5	23/11/2023	16	16 Wigeon on lake	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06295	Non-breeding	4	23/11/2023	35	35 Wigeon on turlough	N/A	N/A
P06303	Non-breeding	4	23/11/2023	32	32 Wigeon on turlough	N/A	N/A
P06317	Non-breeding	4	27/11/2023	48	48 Wigeon on turlough	N/A	N/A
P06321	Non-breeding	4	27/11/2023	24	24 Wigeon on turlough	N/A	N/A
P06548	Non-breeding	5	06/12/2023	12	12 Wigeon on lake	N/A	N/A
P06554	Non-breeding	4	06/12/2023	25	25 Wigeon on lake	N/A	N/A
P06559	Non-breeding	4	06/12/2023	58	58 Wigeon on turlough	N/A	N/A
P06497	Non-breeding	Rhynmount	08/12/2023	4	Swimming	N/A	N/A
P06503	Non-breeding	Ref No: 8	11/12/2023	13	Swimming	N/A	N/A
P06511	Non-breeding	Ref No: 12	11/12/2023	14	Swimming	N/A	N/A
P06570	Non-breeding	4	18/12/2023	43	43 Wigeon on turlough	N/A	N/A
P06578	Non-breeding	4	18/12/2023	22	22 Wigeon on turlough	N/A	N/A
P06584	Non-breeding	5	18/12/2023	5	5 Wigeon in flooded field neasr Lough Ree	N/A	N/A
P06643	Non-breeding	Southern half of site	02/01/2024	5	N/A	N/A	N/A
P06594	Non-breeding	Ref No: 12	05/01/2024	25	N/A	N/A	N/A
P06596	Non-breeding	Ref No: 8	05/01/2024	52	N/A	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06608	Non-breeding	Derrycashel Bog	05/01/2024	5	N/A	N/A	N/A
P06613	Non-breeding	Ref No: 12	12/01/2024	106	N/A	N/A	N/A
P06619	Non-breeding	Ref No: 17	12/01/2024	30	N/A	N/A	N/A
P06627	Non-breeding	Rhynmount	12/01/2024	16	N/A	N/A	N/A
P06646	Non-breeding	Southern half of site	25/01/2024	83	N/A	N/A	N/A
P06652	Non-breeding	Southern half of site	25/01/2024	78	N/A	N/A	N/A
P06660	Non-breeding	Southern half of site	25/01/2024	56	N/A	N/A	N/A
P06676	Non-breeding	Ref No: 10	06/02/2024	9	N/A	N/A	N/A
P06683	Non-breeding	Ref No: 8	06/02/2024	57	N/A	N/A	N/A
P06690	Non-breeding	Derrycashel Bog	06/02/2024	5	N/A	N/A	N/A
P06692	Non-breeding	Ref No: 12	06/02/2024	23	N/A	N/A	N/A
P06703	Non-breeding	Ref No: 17	14/02/2024	46	N/A	N/A	N/A
P06711	Non-breeding	Rhynmount	14/02/2024	14	N/A	N/A	N/A
P06730	Non-breeding	Southern half of site	19/02/2024	26	On lake	N/A	N/A
P06735	Non-breeding	Southern half of site	19/02/2024	26	On Turlough	N/A	N/A
P06742	Non-breeding	Southern half of site	19/02/2024	26	On Turlough	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06746	Non-breeding	Southern half of site	21/02/2024	45	On Turlough	N/A	N/A
P06764	Non-breeding	Southern half of site	23/02/2024	12	On Lough Ree	N/A	N/A
P06765	Non-breeding	Southern half of site	23/02/2024	8	On flooded fields near Lough Ree	N/A	N/A
P06773	Non-breeding	Ref No: 10	07/03/2024	15	Swimming	N/A	N/A
P06778	Non-breeding	Ref No: 8	07/03/2024	61	Roosting	N/A	N/A
P06790	Non-breeding	Derrycashel Bog	07/03/2024	2	Swimming	N/A	N/A
P06796	Non-breeding	Ref No: 12	07/03/2024	12	Swimming	N/A	N/A
P06803	Non-breeding	Ref No: 17	08/03/2024	29	Swimming	N/A	N/A

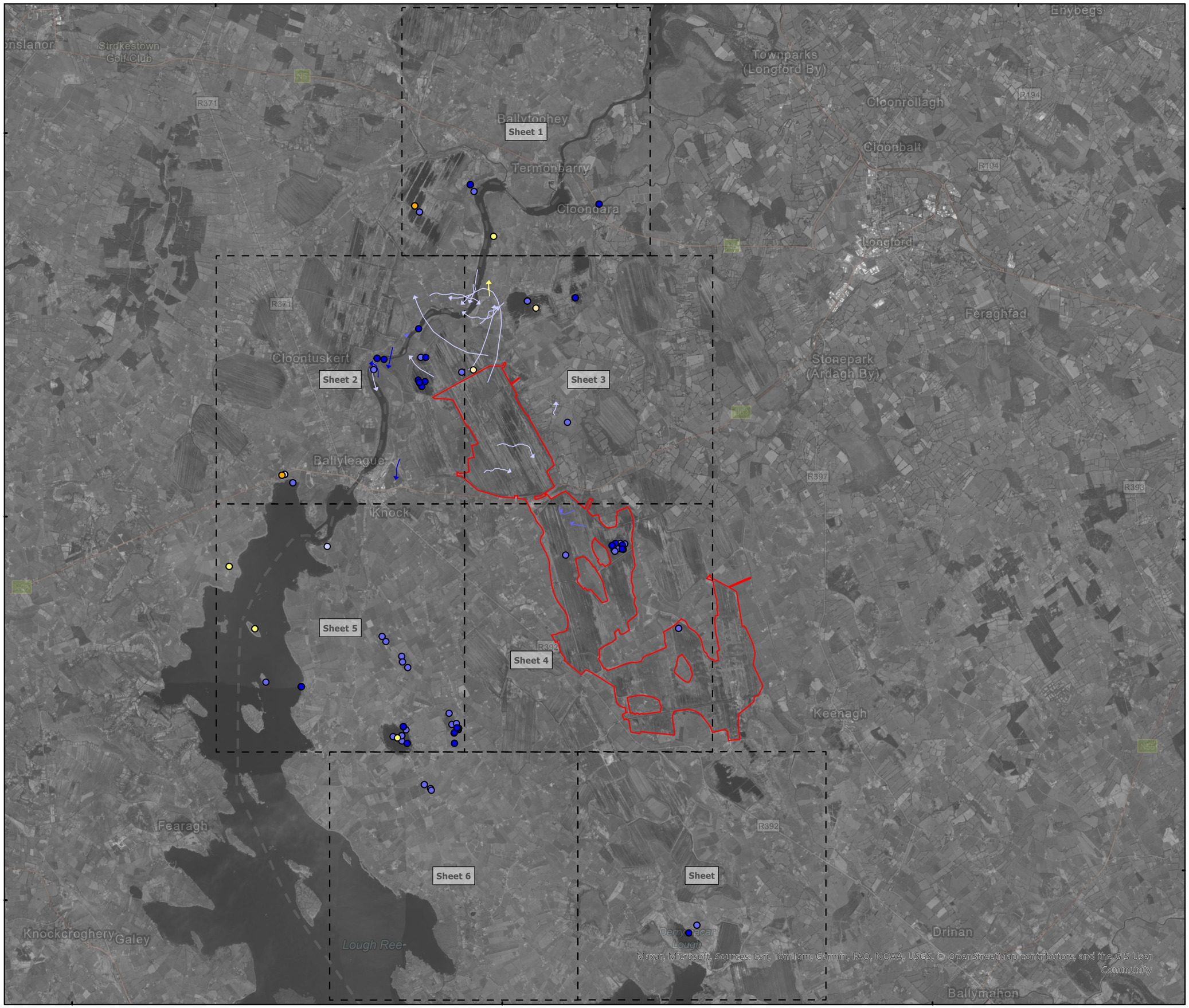
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01161	Breeding	T5	13/04/2022	10:07	2	pb4	h	H	Possible
P03218	Non-breeding	T4	03/01/2023	N/A	9	FL1	On water, Flying	N/A	N/A
P03224	Non-breeding	T5	03/01/2023	N/A	6	FL1	Flying, Swimming	N/A	N/A
P03397	Non-breeding	T11	21/01/2023	N/A	5	PB4	Flying, Circling	N/A	N/A
P03627	Non-breeding	T11	15/02/2023	08:30	12	PB4	Swimming	N/A	N/A
P03716	Non-breeding	T5	12/03/2023	N/A	2	PB4	Both swimming, feeding	N/A	N/A
P06259	Non-breeding	T4	27/11/2023	15:25	22	PB4	Swimming	N/A	N/A

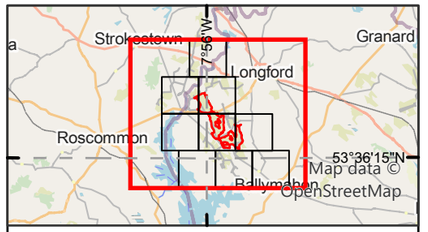
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P06529	Non-breeding	T4	19/12/2023	14:48	2	PB4	Swimming	N/A	N/A
P06531	Non-breeding	T4	19/12/2023	15:22	28	PB4	Swimming	N/A	N/A
P05925	Non-breeding	T4	03/01/2024	10:45	10	PB4	N/A	N/A	N/A
P05976	Non-breeding	T2	06/02/2024	11:40	6	FW2	N/A	N/A	N/A
P05988	Non-breeding	T4	20/02/2024	09:12	18	PB4	N/A	N/A	N/A
P06062	Non-breeding	T11	05/03/2024	13:00	16	PB4	N/A	N/A	N/A
P06072	Non-breeding	T4	05/03/2024	15:43	8	PB4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00320	Breeding	HHVP4	12/06/2021	1	N/A	N/A
P00500	Breeding	HHVP5	14/08/2021	1	N/A	N/A
P00655	Breeding	HHVP9	30/09/2021	2	N/A	N/A
P00663	Breeding	HHVP11	30/09/2021	2	N/A	N/A
P00703	Non-breeding	HHVP9	26/10/2021	4	N/A	N/A
P00709	Non-breeding	HHVP11	28/10/2021	18	N/A	N/A
P00724	Non-breeding	HHVP4	24/11/2021	52	N/A	N/A
P00741	Non-breeding	HHVP6	24/11/2021	2	N/A	N/A
P00745	Non-breeding	HHVP8	24/11/2021	210	N/A	N/A
P00749	Non-breeding	HHVP9	24/11/2021	12	N/A	N/A
P00766	Non-breeding	HHVP4	25/01/2022	45	N/A	N/A
P00779	Non-breeding	HHVP8	25/01/2022	10	N/A	N/A
P00786	Non-breeding	HHVP9	25/01/2022	31	N/A	N/A
P00796	Non-breeding	HHVP4	28/02/2022	28	N/A	N/A
P00800	Non-breeding	HHVP5	28/02/2022	12	N/A	N/A
P00809	Non-breeding	HHVP8	28/02/2022	20	N/A	N/A
P00823	Non-breeding	HHVP4	29/03/2022	18	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00830	Non-breeding	HHVP5	29/03/2022	10	N/A	N/A
P00838	Non-breeding	HHVP8	29/03/2022	4	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P04009	Non-breeding	19/12/2022	1	N/A	N/A
P04063	Non-breeding	03/03/2023	60	N/A	N/A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21

0 1.5 3
Kilometres

NOTES

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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Eurasian Wigeon Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	March 2025

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Map Ref: 11399-023.ApX-SUM-WN-TOB-A

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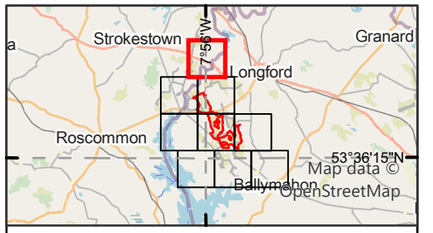

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-23

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Rev	Date	Description	By	Chkd.
A	25/03/2025	First issue	S.P	I.H

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Eurasian Wigeon
Sheet 1 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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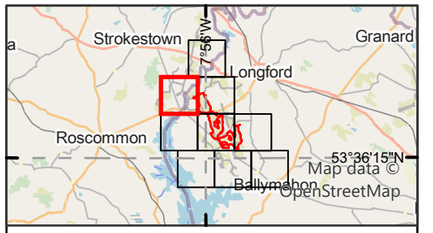
Draft: A





Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.
A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Wigeon
Sheet 2 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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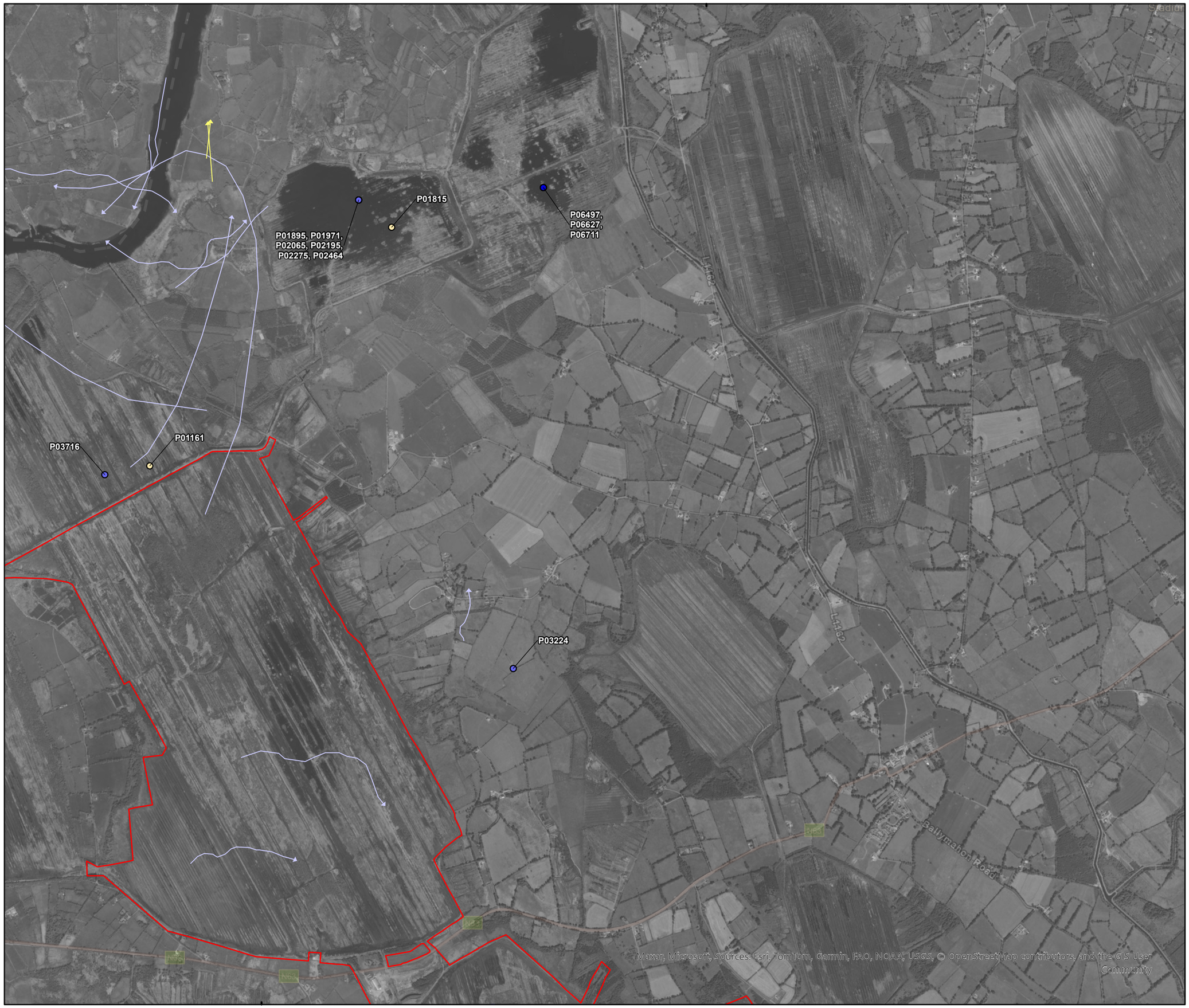
Map Ref: 11399-023.ApX-SUM-WN-TOB-A

Draft: A

7°53'50"W



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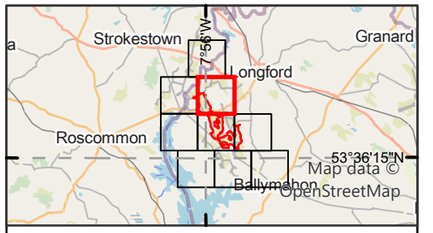

Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Breeding-21

0 0.5 1
Kilometres

NOTES

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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Wigeon
Sheet 3 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	March 2025

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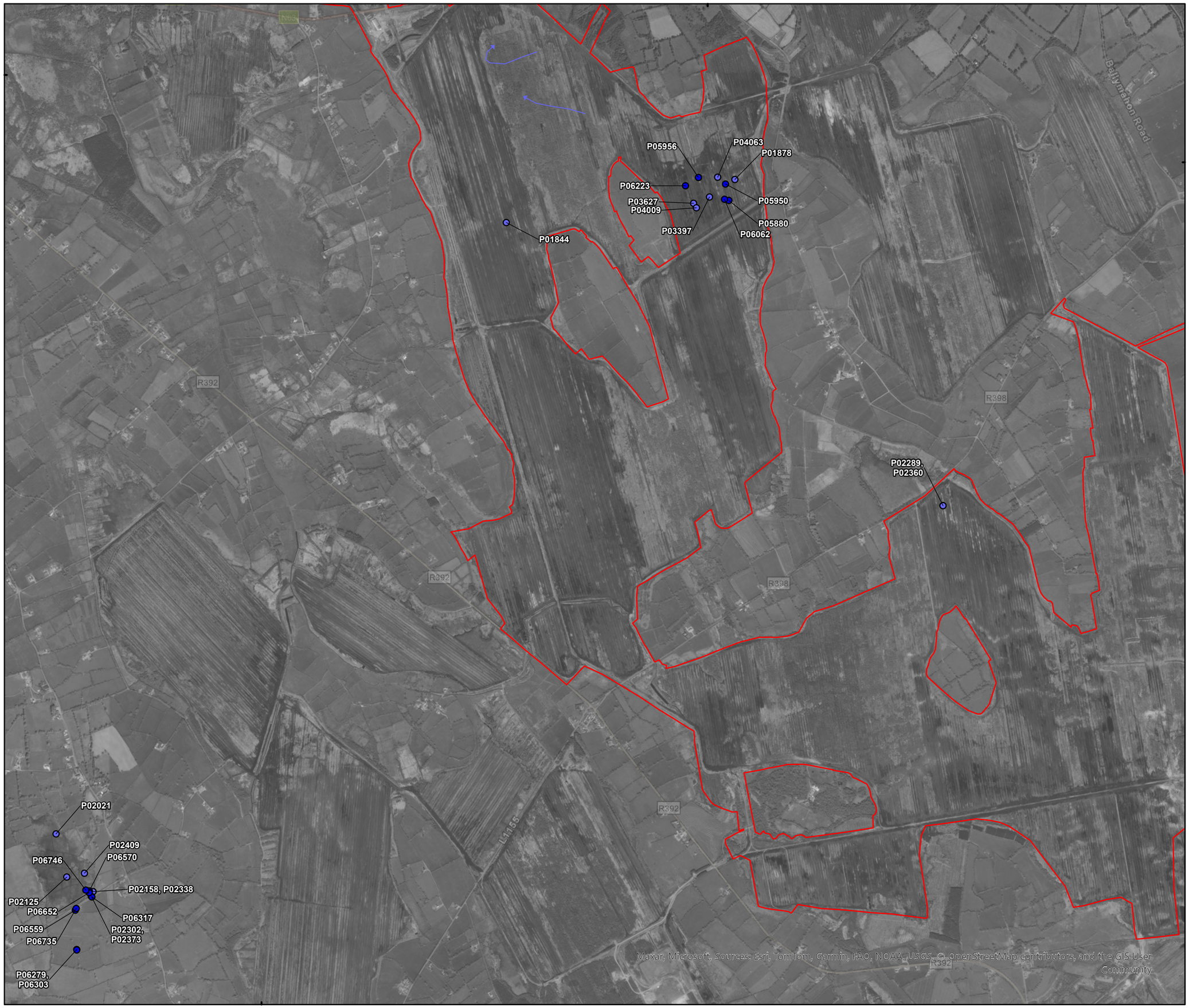
Draft: A

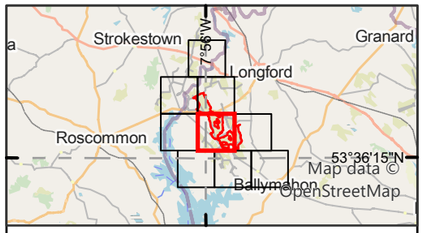
7°53'50"W

53°40'0"N

768000

604000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24

Flightline observations - Seasons

- Non-breeding-22/23

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.
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Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Wigeon
Sheet 4 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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Map Ref: 11399-023.ApX-SUM-WN-TOB-A

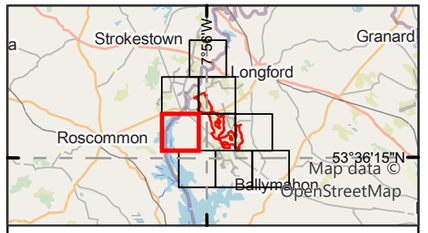
Draft: A

8°2'40"W

53°4'0"N

768000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21

0 0.5 1
Kilometres

NOTES

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Rev	Date	Description	By	Chkd.
A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Wigeon
Sheet 5 of 7

Scale @ A3: 1:22,000

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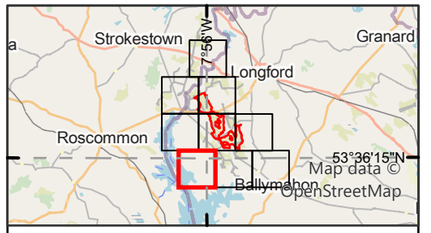

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

Non-breeding-22/23

0 0.5 1
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A	25/03/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Eurasian Wigeon
Sheet 6 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	March 2025

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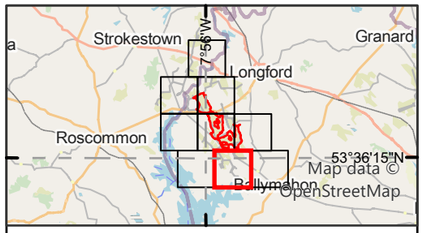

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24

0 0.5 1
Kilometres

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Client: Bord na Móna

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Eurasian Wigeon
Sheet 7 of 7

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Map Ref:	Draft:
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Appendix 8.3y EURASIAN WOODCOCK

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P00025	Breeding	N/A	01/06/2021	1	N/A	F	Non-Breeding
P00029	Breeding	N/A	01/06/2021	2	N/A	D	Probable
P00030	Breeding	N/A	01/06/2021	1	N/A	D	Probable
P00031	Breeding	N/A	01/06/2021	1	N/A	D	Probable
P00878	Breeding	53.6932033, -7.9679042	01/06/2021	1	In flight only.	F	Non-Breeding
P00882	Breeding	53.6277951, - 7.89372464	01/06/2021	2	Occ terr. Roding	D	Probable
P00883	Breeding	53.6277951, - 7.89372464	01/06/2021	1	Occ terr. Roding	D	Probable
P00884	Breeding	53.6277951, - 7.89372464	01/06/2021	1	Occ terr. Roding	D	Probable
P00037	Breeding	N/A	16/06/2021	1	N/A	D	Probable
P00890	Breeding	53.6932033, -7.9679042	16/06/2021	1	Roding. Occ terr	D	Probable
P00045	Breeding	N/A	17/06/2021	1	N/A	D	Probable
P00046	Breeding	N/A	17/06/2021	1	N/A	D	Probable
P00047	Breeding	N/A	17/06/2021	1	N/A	D	Probable
P00898	Breeding	53.6277951, - 7.89372464	17/06/2021	1	Roding. Occ terr	D	Probable
P00899	Breeding	53.6277951, - 7.89372464	17/06/2021	1	Roding. Occ terr	D	Probable
P00900	Breeding	53.6277951, - 7.89372464	17/06/2021	1	Roding. Occ terr	D	Probable

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01789	Breeding	T6	26/09/2022	N/A	1	PB4	Flushed	N/A	N/A

Woodcock Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01369	Breeding	Woodcock T3	29/06/2022	22:11	1	wd2	N/A	D	Probable
P01370	Breeding	Woodcock T3	29/06/2022	22:15	1	wd2	N/A	D	Probable
P01371	Breeding	Woodcock T3	29/06/2022	22:18	1	wd2	N/A	D	Probable
P01372	Breeding	Woodcock T3	29/06/2022	22:22	1	wd2	N/A	D	Probable
P04368	Breeding	WD3	03/05/2023	20:52	1	PB4	N/A	D	Probable
P04369	Breeding	WD3	03/05/2023	21:10	1	PB4	N/A	D	Probable
P04370	Breeding	WD3	03/05/2023	21:45	1	PB4	N/A	D	Probable
P04371	Breeding	WD3	03/05/2023	21:55	1	PB4	N/A	D	Probable
P04380	Breeding	WD1	08/05/2023	21:20	1	WD2	N/A	D	Probable
P04381	Breeding	WD1	08/05/2023	21:36	1	WD4	N/A	D	Probable
P04376	Breeding	WD3	24/05/2023	21:30	1	PB4	N/A	D	Probable
P04377	Breeding	WD3	24/05/2023	22:05	1	PB4	N/A	D	Probable
P04409	Breeding	WD1	25/05/2023	21:48	1	WD4	N/A	D	Probable
P04410	Breeding	WD1	25/05/2023	21:58	1	WD4	N/A	D	Probable
P04504	Breeding	WD3	08/06/2023	22:35	1	PB4	N/A	D	Probable
P04505	Breeding	WD3	08/06/2023	22:45	1	PB4	N/A	D	Probable
P05128	Breeding	WK1	08/05/2024	21:32	1	WD4	N/A	D	Probable
P05216	Breeding	WK1	22/05/2024	21:49	1	WD4	N/A	S	Possible
P05217	Breeding	WK3	23/05/2024	21:36	1	WD4	N/A	S	Possible
P05218	Breeding	WK3	23/05/2024	21:44	1	WD4	N/A	S	Possible
P05219	Breeding	WK3	23/05/2024	21:53	1	WD4	N/A	S	Possible
P05049	Breeding	WK2	28/05/2024	21:03	1	WN5	N/A	N/A	N/A

Woodcock Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05050	Breeding	WK2	28/05/2024	22:22	1	WD2	N/A	H	Possible
P05220	Breeding	WD2. North of bridge	06/06/2024	22:11	1	WD2	N/A	N/A	N/A
P05319	Breeding	WK1	11/06/2024	22:11	1	PB4	N/A	S	Possible
P05320	Breeding	WK1	11/06/2024	22:28	1	PB4	N/A	S	Possible
P05321	Breeding	WK3	13/06/2024	22:14	1	WN7	N/A	S	Possible
P05322	Breeding	WK3	13/06/2024	22:21	1	WN7	N/A	S	Possible
P05323	Breeding	WK3	13/06/2024	22:33	1	WN7	N/A	S	Possible

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P03978	Non-breeding	16/11/2022	1	N/A	N/A
P03999	Non-breeding	08/12/2022	1	N/A	N/A

7°53'50"W

53°40'0"N

604000

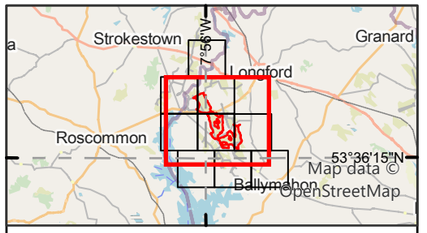
614400

768000

P04410
P05319
P04381
P04409
P01371
P05320
P04380
P05128
P01372
P01369
P01370
P05216
P00025, P00037, P00878, P00890
P01789
P03978
P03999
P00031, P00047, P00884, P00900
P04370
P05218
P04371
P00030, P00046, P00883, P00899
P05321
P00029, P00045, P00882, P00898
P04369
P04504
P05219
P05217
P05322
P04505
P05323
P04376, P04377
P04368
P05220
P05050
P05049

Cloontuskert
Ballyleague
Ballyclare
Culliaghy
Knock
Rathcline
Ballyminion
Farnagh
Stonepark (Ard Dunbeggan (Moydow By))
Lisduff (E
Longford Ru
Keenagh

R371
R392
R398
R397
N63
N4



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

0 1 2
Kilometres

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Rev	Date	Description	By	Chkd.
A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Eurasian Woodcock
Sheet 1 of 1

Scale @ A3: 1:50,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	March 2025

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Map Ref: 11399-024.ApX-SUM-WK-TOB-A

Draft: A

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Appendix 8.3z EUROPEAN GOLDEN PLOVER

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP3	26/10/2021	08:33	5	37	0	0	0	0
Non-breeding	VP3	26/10/2021	09:51	1	37	35	0	0	0
Non-breeding	VP3	26/10/2021	13:25	5	5	13	62	0	0
Non-breeding	VP9	02/11/2021	08:36	16	64	0	0	0	0
Non-breeding	VP9	02/11/2021	08:48	26	60	5	210	0	0
Non-breeding	VP9	19/11/2021	08:00	21	89	20	0	0	0
Non-breeding	VP9	19/11/2021	09:01	9	37	5	0	0	0
Non-breeding	VP9	19/11/2021	09:26	13	66	10	50	0	0
Non-breeding	VP1	13/12/2021	09:46	20	5	3	310	0	0
Non-breeding	VP9	16/12/2021	11:13	3	5	10	30	0	0
Non-breeding	VP9	16/12/2021	11:50	28	0	0	233	0	7
Non-breeding	VP9	16/12/2021	14:01	3	2	3	0	0	0
Non-breeding	VP10	27/12/2021	10:47	8	5	10	0	0	0
Non-breeding	VP11	28/12/2021	09:22	1	10	20	0	0	0
Non-breeding	VP11	28/12/2021	11:09	35	20	0	0	0	0
Non-breeding	VP11	28/12/2021	11:40	57	0	0	30	0	0
Non-breeding	VP11	28/12/2021	12:09	1	0	0	11	0	0
Non-breeding	VP1	07/01/2022	09:44	8	0	0	20	0	0
Non-breeding	VP10	17/01/2022	09:45	40	5	5	5	0	0
Non-breeding	VP10	17/01/2022	11:09	40	4	4	7	0	0
Non-breeding	VP1	01/02/2022	09:35	2	10	0	0	0	0
Non-breeding	VP1	01/02/2022	09:45	6	0	0	40	0	0
Non-breeding	VP1	01/02/2022	09:57	44	0	0	60	0	0
Non-breeding	VP1	01/02/2022	10:35	45	0	0	20	0	0
Non-breeding	VP1	01/02/2022	10:47	4	10	0	0	0	0
Non-breeding	VP1	01/02/2022	11:30	500	0	0	300	0	0
Non-breeding	VP5	25/02/2022	12:58	30	0	0	80	0	0
Non-breeding	VP4	28/02/2022	12:00	1	0	0	60	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP1	02/03/2022	11:09	6	0	0	100	0	0
Non-breeding	VP1	02/03/2022	13:03	7	0	30	0	0	0
Non-breeding	VP9	02/03/2022	10:48	48	5	5	132	0	0
Non-breeding	VP9	02/03/2022	11:09	19	0	0	98	0	0
Non-breeding	VP5	15/03/2022	09:51	24	0	30	0	0	0
Non-breeding	VP5	15/03/2022	13:21	50	0	0	50	0	0
Non-breeding	VP3	16/03/2022	10:01	60	0	0	40	0	0
Non-breeding	VP11	28/03/2022	10:10	5	0	20	0	0	0
Breeding	VP9	11/04/2022	13:12	95	0	130	0	0	0
Breeding	VP9	11/04/2022	13:30	59	0	65	0	0	0
Breeding	VP10	13/04/2022	10:24	15	30	0	0	0	0
Breeding	VP 5	29/09/2022	14:02	35	0	0	170	0	0
Non-breeding	VP8	04/10/2022	15:32	48	0	0	60	165	65
Non-breeding	VP7	05/10/2022	09:54	19	0	60	120	0	0
Non-breeding	VP9	06/10/2022	08:15	16	60	120	120	0	0
Non-breeding	VP9	06/10/2022	08:45	32	0	0	30	0	0
Non-breeding	VP9	06/10/2022	09:25	30	0	0	160	0	0
Non-breeding	VP9	06/10/2022	16:25	6	25	0	0	0	0
Non-breeding	VP11	13/10/2022	11:05	110	0	0	0	210	0
Non-breeding	VP8	03/11/2022	11:05	105	0	0	0	115	0
Non-breeding	VP8	03/11/2022	11:20	150	0	0	0	0	125
Non-breeding	VP11	14/11/2022	13:35	220	0	0	35	35	0
Non-breeding	VP11	14/11/2022	14:25	55	0	0	0	55	0
Non-breeding	VP11	14/11/2022	15:05	50	0	0	0	120	0
Non-breeding	VP9	15/11/2022	11:35	195	20	20	0	0	0
Non-breeding	VP9	09/02/2023	14:15	2	0	20	0	0	0
Breeding	VP9	07/04/2023	15:05	205	20	60	180	480	0
Breeding	VP9	07/04/2023	16:41	110	120	250	250	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP10	03/10/2023	08:55	35	30	60	10	0	0
Non-breeding	VP10	03/10/2023	09:10	20	30	65	0	0	0
Non-breeding	VP10	03/10/2023	09:30	42	0	0	65	0	0
Non-breeding	VP10	03/10/2023	12:55	6	0	0	35	0	0
Non-breeding	VP7	04/10/2023	09:05	2	0	35	0	0	0
Non-breeding	VP8	06/10/2023	09:15	45	0	75	30	0	0
Non-breeding	VP8	06/10/2023	09:50	15	0	25	0	0	0
Non-breeding	VP8	06/10/2023	14:10	1	0	20	0	0	0
Non-breeding	VP6	09/10/2023	10:15	55	25	65	120	0	0
Non-breeding	VP6	09/10/2023	11:35	35	0	110	360	0	0
Non-breeding	VP6	09/10/2023	12:05	85	0	65	210	0	0
Non-breeding	VP6	09/10/2023	13:55	55	0	60	280	0	0
Non-breeding	VP9	12/10/2023	09:18	45	0	0	0	215	0
Non-breeding	VP11	24/11/2023	08:10	150	0	0	640	0	0
Non-breeding	VP11	07/12/2023	10:21	150	0	0	432	0	0
Non-breeding	VP6	04/01/2024	13:20	38	0	0	0	20	0
Non-breeding	VP6	04/03/2024	07:35	1	0	250	0	0	0
Non-breeding	VP6	04/03/2024	09:10	11	0	120	230	110	0
Non-breeding	VP6	04/03/2024	09:10	11	0	0	45	0	0
Non-breeding	VP6	04/03/2024	09:20	22	0	60	110	0	0
Non-breeding	VP10	05/03/2024	14:35	130	0	20	35	35	0
Non-breeding	VP9	07/03/2024	10:40	38	0	20	575	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01830	Non-breeding	VP9	06/10/2022	07:25	16	PB4	Roosting.	N/A	N/A

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01842	Non-breeding	VP9	15/11/2022	09:00	195	PB4	Roosting.	N/A	N/A
P04083	Breeding	VP9	07/04/2023	14:20	205	N/A	Roosting	N/A	N/A
P05860	Non-breeding	VP10	03/10/2023	07:10	50	N/A	Roosting	N/A	N/A
P06104	Breeding	VP9	11/04/2024	12:51	58	N/A	roosting	H	Possible

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01949	Non-breeding	Ref No 8	08/11/2022	65	Roosting around shore-line.	N/A	N/A
P01989	Non-breeding	Ref No 18	17/11/2022	150	Roosting on flodded field.	N/A	N/A
P02032	Non-breeding	Ref No 8	07/12/2022	210	Roosting around shore-line.	N/A	N/A
P02089	Non-breeding	Ref No 17	12/12/2022	350	Roosting on flooded field.	N/A	N/A
P02227	Non-breeding	Ref No 8	03/02/2023	10	Roosting around shore-line.	N/A	N/A
P04201	Breeding	Rhymount VP2	14/04/2023	30	Flyover	F	Non-Breeding
P06377	Non-breeding	Ref No: 8	10/10/2023	25	Roosting	N/A	N/A
P06383	Non-breeding	Gortgallan Bog	10/10/2023	65	Circling	N/A	N/A
P06187	Non-breeding	Ref No: 8	08/11/2023	75	Roosting	N/A	N/A
P06193	Non-breeding	Gortgallan Bog	08/11/2023	7	Foraging	N/A	N/A
P06198	Non-breeding	Derrycashel Bog	08/11/2023	4	Roosting	N/A	N/A
P06220	Non-breeding	Onsite	13/11/2023	18	Roosting	N/A	N/A
P06519	Non-breeding	Ref No: 17	11/12/2023	42	Roosting	N/A	N/A
P06600	Non-breeding	Ref No: 8	05/01/2024	10	N/A	N/A	N/A
P04937	Breeding	Ref No:2	08/04/2024	5	Flushed from cover.	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P02535	Non-breeding	T14	04/10/2022	10:55	110	PB4	Circling.	N/A	N/A
P02536	Non-breeding	T14	04/10/2022	11:25	21	PB4	Circling.	N/A	N/A
P02579	Non-breeding	T21	05/10/2022	10:55	3	PB4	Foraging	N/A	N/A
P02599	Non-breeding	T20	05/10/2022	12:30	19	PB4	Circling.	N/A	N/A
P02632	Non-breeding	T13	06/10/2022	11:00	310	PB4	Circling.	N/A	N/A
P02797	Non-breeding	T14	03/11/2022	07:45	25	PB4	Flyover	N/A	N/A
P02816	Non-breeding	T15	03/11/2022	09:45	35	PB4	Flyover	N/A	N/A
P02882	Non-breeding	T17	08/11/2022	08:30	12	PB4	Roosting.	N/A	N/A
P02946	Non-breeding	T18	15/11/2022	07:45	165	PB4	Roosting.	N/A	N/A
P03031	Non-breeding	T17	08/12/2022	08:55	11	PB4	Roosting	N/A	N/A
P03106	Non-breeding	T18	12/12/2022	09:25	6	PB4	Roosting	N/A	N/A
P03295	Non-breeding	T13	13/01/2023	08:40	2	PB4	Roosting	N/A	N/A
P03410	Non-breeding	T17	23/01/2023	08:45	47	PB4	Roosting	N/A	N/A
P03526	Non-breeding	T17	09/02/2023	10:35	2	PB4	Roosting	N/A	N/A
P03838	Non-breeding	T18	08/03/2023	08:55	14	PB4	Roosting	N/A	N/A
P03853	Non-breeding	T17	14/03/2023	10:25	110	PB4	Roosting	N/A	N/A
P04235	Breeding	T10	06/04/2023	11:25	12	PB4	N/A	N/A	N/A
P06357	Non-breeding	T9	04/10/2023	10:35	130	PB4	Circling	N/A	N/A
P06366	Non-breeding	T2	10/10/2023	08:25	1	PB4	Flushed from cover.	N/A	N/A
P06420	Non-breeding	T13	14/10/2023	14:42	55	PB4	Flight	N/A	N/A
P06180	Non-breeding	T8	13/11/2023	10:10	13	PB4	Flyover	N/A	N/A
P06251	Non-breeding	T14	24/11/2023	13:06	15	PB4	Roosting	N/A	N/A
P06266	Non-breeding	T13	28/11/2023	08:51	60	PB4	Roosting	N/A	N/A
P06525	Non-breeding	T17	19/12/2023	12:10	3	PB4	Roosting	N/A	N/A
P06539	Non-breeding	T12	20/12/2023	11:10	28	PB4	Flushed	N/A	N/A
P06543	Non-breeding	T18	20/12/2023	13:42	15	PB4	Roosting	N/A	N/A
P05916	Non-breeding	T12	02/01/2024	15:46	56	PB4	N/A	N/A	N/A
P05993	Non-breeding	T17	20/02/2024	11:30	15	PB4	N/A	N/A	N/A
P05997	Non-breeding	T14	21/02/2024	16:04	25	PB4	N/A	N/A	N/A
P06056	Non-breeding	T12	05/03/2024	11:37	26	PB4	N/A	N/A	N/A
P06083	Non-breeding	T13	06/03/2024	12:08	7	PB4	N/A	N/A	N/A
P06087	Non-breeding	T17	06/03/2024	15:45	180	PB4	N/A	N/A	N/A

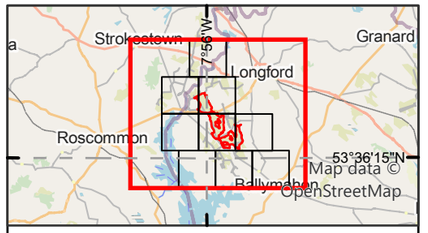
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04996	Breeding	Transect 12	08/04/2024	15:50	18	pb4	N/A	H	Possible

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00729	Non-breeding	HHVP4	24/11/2021	2	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P04016	Non-breeding	11/01/2023	1	N/A	N/A

8°2'40"W
7°53'50"W
7°45'0"W
53°45'0"N
53°40'0"N
53°35'0"N
776000
768000
760000
593600
604000
614400

Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23

0 1.5 3
Kilometres

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Rev	Date	Description	By	Chkd.
A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations European Golden Plover Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	March 2025

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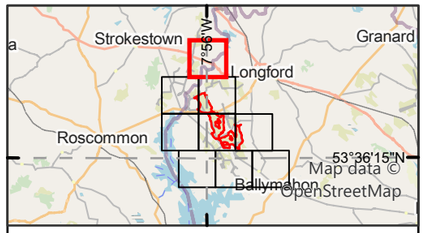

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24

0 0.5 1
Kilometres

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A	25/03/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
European Golden Plover
Sheet 1 of 6

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	March 2025

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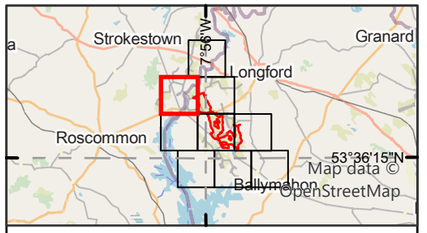
8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24

Flightline observations - Seasons

- Non-breeding-21/22

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.

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Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
European Golden Plover
Sheet 2 of 6

Scale @ A3: 1:22,000

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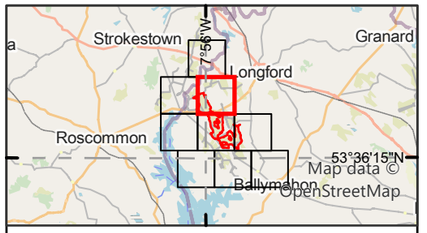
7°53'50"W



604000



Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-23/24
- Breeding-23

Flightline observations - Seasons

- Non-breeding-21/22
- Breeding-22

0 0.5 1
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Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
European Golden Plover
Sheet 3 of 6

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7°53'50"W

53°40'0"N

768000

604000

P06180 P04937 P02599 P04996 P06056 P05916 P06083 P06539 P05860 P06266 P02632 P06420 P03295 P04016 P05993 P03853 P03410 P02579 P06525 P06087 P03526 P03031 P02882 P02536 P06251 P05997 P01830 P01842 P03838 P04083 P06104 P02535 P02797 P03106 P02946 P02816

N63 R392 R398 L4155 Ballymahon Road

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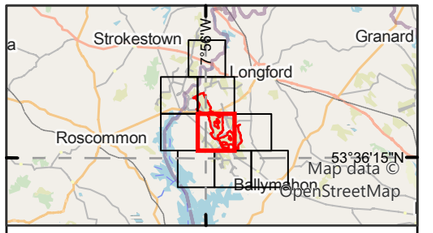

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23

0 0.5 1
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Project: Derryadd Wind Farm

Title: Flight and non-flight observations
European Golden Plover
Sheet 4 of 6

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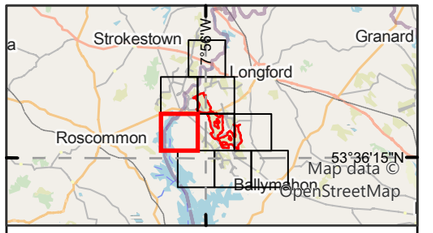

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-23/24

0 0.5 1
Kilometres

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Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
European Golden Plover
Sheet 5 of 6

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53°40'0"N

768000

614400

P02599
P05860
P05993
P03853
P03031
P02579
P02882
P03526
P06543
P01830
P06104
P02946
P04083
P01842
P03106
P03838

Ballynahon Road
L5242
R398
Knockatarry
R397
L1138
L5239
Keenagh
Carrton Road

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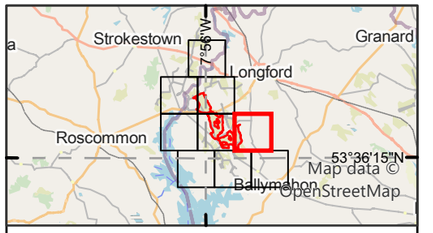

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23

0 0.5 1
Kilometres

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Project: Derryadd Wind Farm

Title: Flight and non-flight observations
European Golden Plover
Sheet 6 of 6

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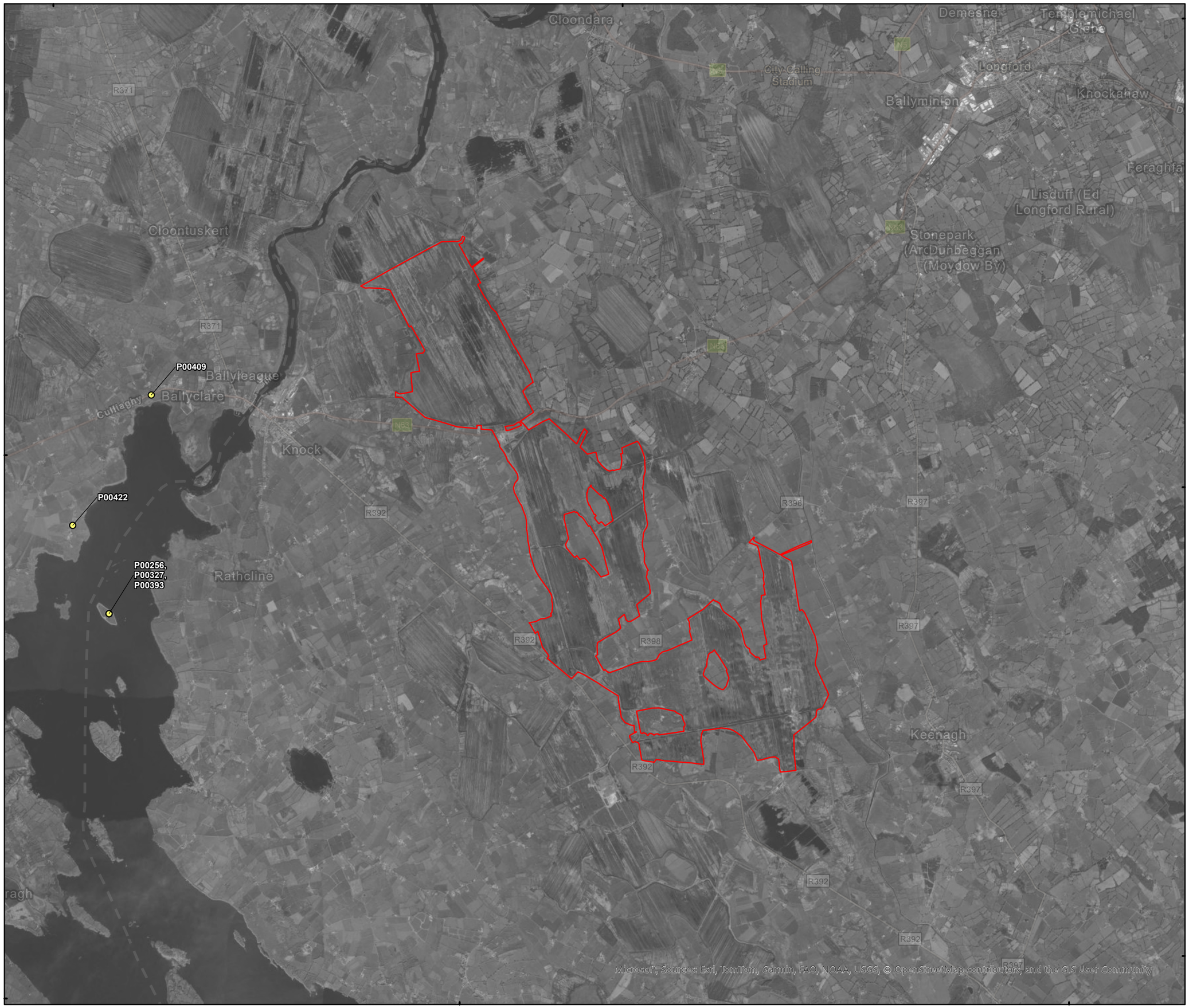
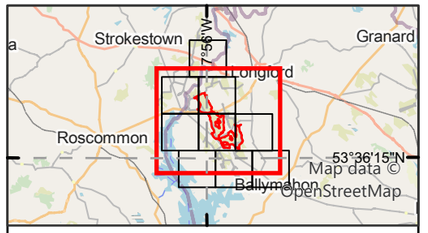
Appendix 8.3aa GADWALL

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00256	Breeding	HHVP5	12/05/2021	2	N/A	N/A
P00327	Breeding	HHVP5	12/06/2021	1	N/A	N/A
P00393	Breeding	HHVP5	17/07/2021	2	N/A	N/A
P00409	Breeding	HHVP8	17/07/2021	31	N/A	N/A
P00422	Breeding	HHVP9	17/07/2021	8	N/A	N/A

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
776000
768000
760000
604000
614400





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

Breeding-21

0 1 2
Kilometres

NOTES

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3. ENGINEER TO BE INFORMED OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES\
4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Gadwall
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Map Ref: 11399-026.ApX-SUM-GA-TOB-A

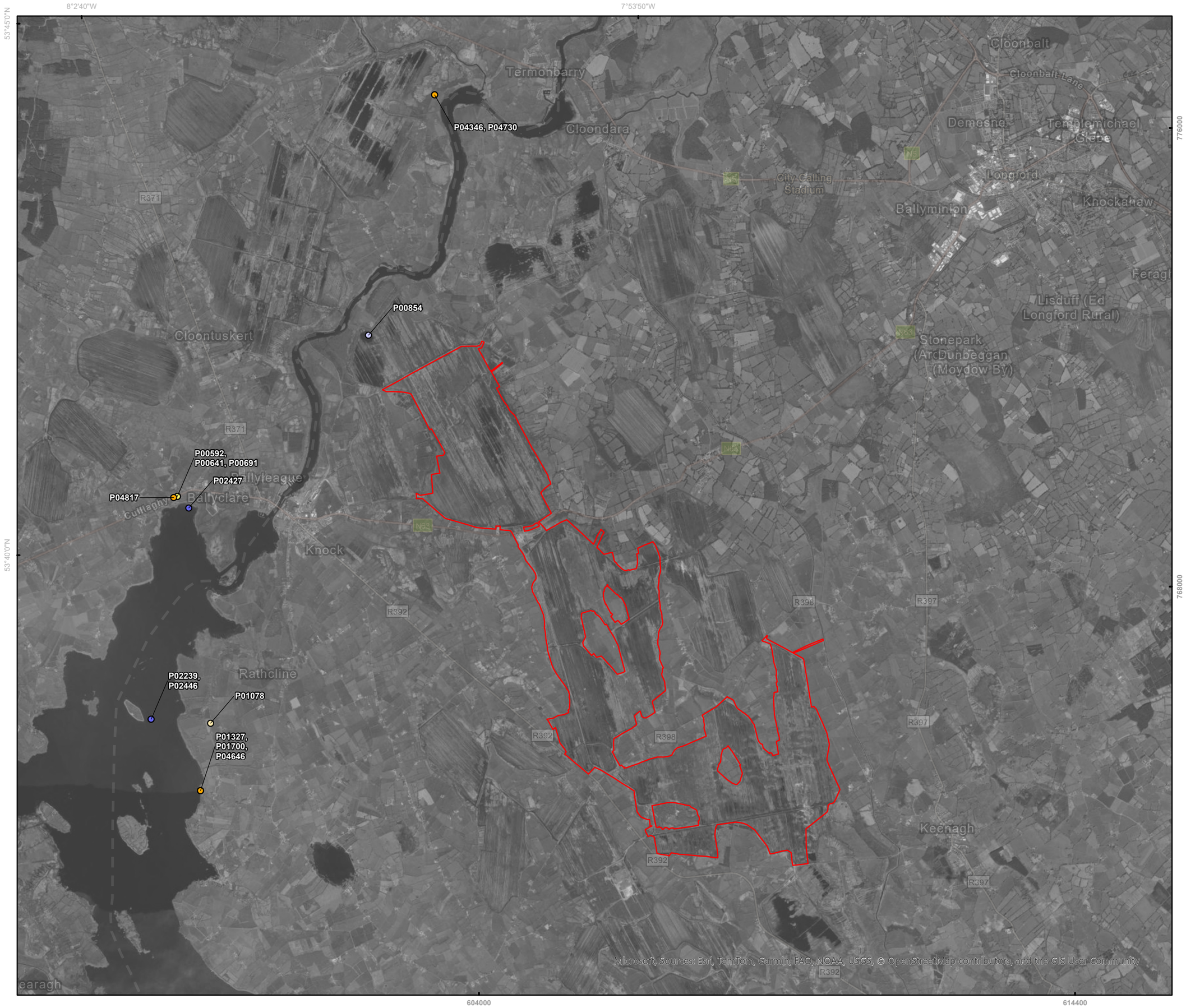
Draft: A

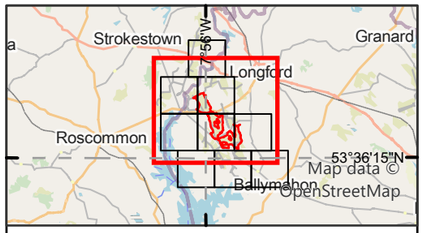
Appendix 8.3bb GREAT BLACK-BACKED GULL

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01078	Breeding	Ref: 9	20/04/2022	12	Roosting on Incharmadermot island.	N/A	N/A
P01327	Breeding	Ref: 5	12/05/2022	4	Roosting on island.	P	Probable
P01700	Breeding	ref: 5	10/08/2022	2	Roosting around the Island.	N/A	N/A
P02239	Non-breeding	Ref No 9	03/02/2023	2	Roosting on island.	N/A	N/A
P02427	Non-breeding	Ref No 8	03/03/2023	1	Roosting around shore-line.	N/A	N/A
P02446	Non-breeding	Ref No 9	03/03/2023	3	Roosting on island.	N/A	N/A
P04346	Breeding	Ref No: 12	03/05/2023	2	Roosting	H	Possible
P04646	Breeding	Lough Ree	19/07/2023	8	8 Great Black-backed gulls flying aaround lake.	F	Non-Breeding
P04730	Breeding	Ref No: 12	03/08/2023	1	Roosting	N/A	N/A
P04817	Breeding	Ref No: 8	28/09/2023	1	Roosting	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00854	Non-breeding	T4	03/02/2022	N/A	1	N/A	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00592	Breeding	HHVP8	09/09/2021	1	N/A	N/A
P00641	Breeding	HHVP8	30/09/2021	1	N/A	N/A
P00691	Non-breeding	HHVP8	26/10/2021	1	N/A	N/A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Breeding-21
- Breeding-22
- Breeding-23

0 1 2
Kilometres

NOTES

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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Great Black-backed Gull
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Draft: A

Appendix 8.3cc GREAT CORMORANT

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP2	29/04/2021	09:40	2	44	0	0	0	0
Breeding	VP2	29/04/2021	10:24	1	45	0	0	0	0
Breeding	VP2	29/04/2021	11:14	1	0	0	47	0	0
Breeding	VP2	29/04/2021	13:39	1	0	48	0	0	0
Breeding	VP2	29/04/2021	14:00	5	45	0	0	0	0
Breeding	VP2	29/04/2021	14:49	2	27	0	0	0	0
Breeding	VP2	29/04/2021	15:13	1	23	0	0	0	0
Breeding	VP4	05/05/2021	14:22	3	0	0	136	0	0
Breeding	VP5	05/05/2021	17:06	4	0	55	0	0	0
Breeding	VP5	05/05/2021	17:55	2	0	81	0	0	0
Breeding	VP5	05/05/2021	18:54	1	0	0	86	0	0
Breeding	VP1	06/05/2021	16:05	2	97	0	0	0	0
Breeding	VP1	06/05/2021	13:10	5	0	168	0	0	0
Breeding	VP1	06/05/2021	14:03	1	0	57	0	0	0
Breeding	VP5	06/05/2021	08:57	4	0	0	88	0	0
Breeding	VP8	11/05/2021	18:39	3	0	119	165	0	0
Breeding	VP8	19/05/2021	12:00	1	0	0	295	0	0
Breeding	VP11	28/05/2021	13:23	1	0	0	0	0	184
Breeding	VP2	31/05/2021	10:43	1	0	0	98	0	0
Breeding	VP2	31/05/2021	10:59	1	0	0	148	0	0
Breeding	VP2	31/05/2021	17:38	1	0	59	0	0	0
Breeding	VP1	01/06/2021	09:27	1	0	39	0	0	0
Breeding	VP1	01/06/2021	11:38	1	0	0	135	0	0
Breeding	VP1	01/06/2021	11:39	1	0	0	102	0	0
Breeding	VP1	01/06/2021	13:23	1	0	0	0	0	62
Breeding	VP1	01/06/2021	14:31	1	0	179	0	0	0
Breeding	VP3	02/06/2021	13:55	1	0	0	0	0	191
Breeding	VP3	02/06/2021	14:42	1	0	0	0	0	208

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP4	10/06/2021	14:39	1	0	26	0	0	0
Breeding	VP5	16/06/2021	16:24	1	0	0	104	0	0
Breeding	VP5	16/06/2021	17:22	2	0	0	0	0	122
Breeding	VP6	17/06/2021	13:40	1	0	0	94	0	0
Breeding	VP6	17/06/2021	17:28	1	0	0	66	0	0
Breeding	VP3	05/07/2021	18:27	1	0	0	0	0	182
Breeding	VP1	06/07/2021	10:11	1	0	0	0	0	195
Breeding	VP1	06/07/2021	14:55	3	0	0	97	0	0
Breeding	VP5	06/07/2021	17:58	1	0	0	145	0	0
Breeding	VP2	07/07/2021	11:40	2	0	0	85	0	0
Breeding	VP2	07/07/2021	13:02	1	4	39	0	0	0
Breeding	VP2	07/07/2021	13:16	2	0	0	111	0	0
Breeding	VP2	07/07/2021	13:59	1	0	0	55	0	0
Breeding	VP2	07/07/2021	15:28	2	0	0	70	0	0
Breeding	VP2	07/07/2021	16:22	1	20	0	0	0	0
Breeding	VP4	07/07/2021	21:08	1	0	0	69	0	0
Breeding	VP4	09/07/2021	15:17	1	0	0	95	0	0
Breeding	VP5	09/07/2021	21:23	1	0	0	106	0	0
Breeding	VP8	13/07/2021	10:10	1	0	0	103	0	0
Breeding	VP2	28/07/2021	09:43	2	0	0	67	0	0
Breeding	VP2	28/07/2021	13:30	1	0	0	97	0	0
Breeding	VP1	29/07/2021	10:15	1	0	0	48	0	0
Breeding	VP1	29/07/2021	10:29	4	0	0	129	0	0
Breeding	VP1	29/07/2021	14:11	1	12	32	0	0	0
Breeding	VP1	29/07/2021	16:14	1	0	30	67	0	0
Breeding	VP3	29/07/2021	20:32	1	0	0	100	0	0
Breeding	VP4	30/07/2021	13:08	1	0	0	109	0	0
Breeding	VP4	30/07/2021	13:13	1	7	20	56	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP4	13/08/2021	12:50	1	0	49	0	0	0
Breeding	VP2	17/08/2021	15:00	1	0	0	72	0	0
Breeding	VP1	18/08/2021	10:17	1	0	0	167	0	0
Breeding	VP1	18/08/2021	14:22	1	0	0	162	0	0
Breeding	VP1	18/08/2021	15:20	1	28	32	0	0	0
Breeding	VP1	06/09/2021	09:45	1	0	18	76	0	0
Breeding	VP1	06/09/2021	13:06	1	0	0	105	0	0
Breeding	VP4	07/09/2021	15:00	1	0	0	111	0	0
Breeding	VP4	07/09/2021	18:09	1	0	0	105	0	0
Breeding	VP2	12/09/2021	12:27	1	37	0	0	0	0
Breeding	VP2	12/09/2021	15:43	1	0	65	0	0	0
Breeding	VP2	12/09/2021	17:10	1	0	0	104	0	0
Breeding	VP2	20/09/2021	14:00	1	0	134	0	0	0
Breeding	VP4	23/09/2021	09:24	1	11	26	0	0	0
Breeding	VP1	24/09/2021	18:37	1	0	98	0	0	0
Breeding	VP1	27/09/2021	10:50	1	0	0	152	0	0
Non-breeding	VP1	01/10/2021	12:08	1	0	0	202	0	0
Non-breeding	VP1	01/10/2021	08:50	1	0	0	109	0	0
Non-breeding	VP4	02/10/2021	08:53	1	0	0	98	0	0
Breeding	VP 1	12/04/2022	14:23	1	10	25	0	0	0
Breeding	VP 1	12/04/2022	14:28	2	10	25	0	0	0
Breeding	VP 1	12/04/2022	15:18	1	0	40	0	0	0
Breeding	VP 1	12/04/2022	16:48	1	30	15	0	0	0
Breeding	VP 1	12/04/2022	17:56	3	42	10	0	0	0
Breeding	VP10	13/04/2022	08:40	1	20	0	0	0	0
Breeding	VP 3	14/04/2022	07:50	1	0	0	25	0	0
Breeding	VP 3	14/04/2022	08:10	1	0	25	0	0	0
Breeding	VP 1	18/05/2022	07:11	2	35	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP 1	18/05/2022	11:45	3	10	30	0	0	0
Breeding	VP 3	30/05/2022	16:30	1	0	15	0	0	0
Breeding	VP 1	09/06/2022	15:28	1	30	0	0	0	0
Breeding	VP 1	09/06/2022	20:25	1	20	20	0	0	0
Breeding	VP 1	04/07/2022	15:18	1	0	30	0	0	0
Breeding	VP 3	03/08/2022	15:03	1	0	45	20	0	0
Breeding	VP 1	04/08/2022	10:52	1	20	15	0	0	0
Breeding	VP 1	04/08/2022	12:52	1	25	10	0	0	0
Breeding	VP 2	05/08/2022	11:01	1	10	70	0	0	0
Breeding	VP 1	27/09/2022	17:06	1	25	0	0	0	0
Non-breeding	VP1	09/10/2022	10:27	1	0	6	0	0	0
Non-breeding	VP 1	16/12/2022	10:50	1	5	0	0	0	0
Non-breeding	VP1	16/12/2022	14:01	2	4	0	0	0	0
Non-breeding	VP1	06/02/2023	10:15	1	3	0	0	0	0
Non-breeding	VP1	06/02/2023	11:07	1	5	0	0	0	0
Non-breeding	VP1	06/02/2023	11:54	2	4	0	0	0	0
Non-breeding	VP1	06/02/2023	14:21	1	5	0	0	0	0
Non-breeding	VP1	06/02/2023	16:07	1	4	0	0	0	0
Non-breeding	VP1	06/02/2023	16:11	2	10	0	0	0	0
Non-breeding	VP1	07/03/2023	10:52	1	4	0	0	0	0
Non-breeding	VP1	07/03/2023	14:17	1	4	0	0	0	0
Non-breeding	VP1	07/03/2023	14:39	1	5	0	0	0	0
Non-breeding	VP1	07/03/2023	16:00	1	8	0	0	0	0
Non-breeding	VP11	20/03/2023	15:35	2	0	0	85	0	0
Breeding	VP1	04/04/2023	14:26	1	20	15	0	0	0
Breeding	VP1	04/04/2023	14:31	1	20	10	0	0	0
Breeding	VP1	04/04/2023	15:11	2	0	30	0	0	0
Breeding	VP1	04/04/2023	17:50	2	5	25	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP1	04/04/2023	18:43	2	10	15	0	0	0
Breeding	VP2	06/04/2023	16:26	1	0	20	35	0	0
Breeding	VP10	13/04/2023	18:10	1	0	35	0	0	0
Breeding	VP2	09/05/2023	19:41	1	0	10	25	0	0
Breeding	VP1	22/05/2023	11:02	2	0	40	0	0	0
Breeding	VP4	24/05/2023	07:15	1	0	25	0	0	0
Breeding	VP2	15/06/2023	19:52	3	0	55	0	0	0
Breeding	VP3	21/06/2023	13:48	1	0	0	15	0	0
Breeding	VP1	22/06/2023	14:11	3	15	25	0	0	0
Breeding	VP1	22/06/2023	15:25	2	10	30	0	0	0
Breeding	VP3	05/07/2023	09:40	1	0	0	35	0	0
Breeding	VP3	05/07/2023	09:55	1	0	0	40	0	0
Breeding	VP3	05/07/2023	15:15	1	0	0	45	0	0
Breeding	VP1	14/07/2023	16:05	2	30	0	0	0	0
Breeding	VP3	02/08/2023	13:35	1	0	20	0	0	0
Breeding	VP1	09/08/2023	11:20	1	35	0	0	0	0
Breeding	VP1	28/09/2023	08:15	1	0	35	0	0	0
Breeding	VP4	29/09/2023	10:05	1	0	0	25	0	0
Non-breeding	VP1	16/01/2024	13:10	1	9	0	0	0	0
Non-breeding	VP2	04/02/2024	12:35	1	0	8	0	0	0
Non-breeding	VP11	22/02/2024	13:22	1	0	20	0	0	0
Non-breeding	VP1	25/02/2024	09:58	1	9	0	0	0	0
Non-breeding	VP1	25/02/2024	10:40	1	11	0	0	0	0
Non-breeding	VP10	05/03/2024	15:15	1	0	0	35	0	0
Non-breeding	VP7	06/03/2024	08:35	1	0	0	55	0	0
Non-breeding	VP1	18/03/2024	10:40	1	9	5	0	0	0
Non-breeding	VP1	18/03/2024	11:03	1	6	1	0	0	0
Non-breeding	VP1	18/03/2024	14:08	1	9	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP1	18/03/2024	14:36	1	8	1	0	0	0
Non-breeding	VP1	18/03/2024	15:04	2	10	0	0	0	0
Non-breeding	VP2	24/03/2024	11:16	1	7	1	0	0	0
Breeding	VP11	11/04/2024	09:52	1	0	65	0	0	0
Breeding	VP11	11/04/2024	10:43	1	0	35	0	0	0
Breeding	VP1	14/04/2024	12:03	1	6	0	0	0	0
Breeding	VP1	14/04/2024	12:45	1	6	0	0	0	0
Breeding	VP1	14/04/2024	18:38	2	2	5	0	0	0
Breeding	VP1	14/04/2024	19:39	1	7	0	0	0	0
Breeding	VP1	09/05/2024	09:25	1	7	0	0	0	0
Breeding	VP1	09/05/2024	10:01	1	6	0	0	0	0
Breeding	VP1	09/05/2024	12:05	1	5	2	0	0	0
Breeding	VP1	09/05/2024	06:05	1	6	0	0	0	0
Breeding	VP1	09/05/2024	06:23	1	8	0	0	0	0
Breeding	VP1	09/05/2024	07:55	1	11	0	0	0	0
Breeding	VP3	14/05/2024	16:01	1	5	5	0	0	0
Breeding	VP5	28/05/2024	16:12	1	0	12	0	0	0
Breeding	VP4	10/06/2024	13:57	3	6	2	0	0	0
Breeding	VP1	16/06/2024	14:20	1	3	8	0	0	0
Breeding	VP1	15/07/2024	11:03	1	7	0	0	0	0
Breeding	VP1	15/07/2024	11:09	1	6	0	0	0	0
Breeding	VP1	15/07/2024	14:15	1	8	0	0	0	0
Breeding	VP1	05/08/2024	07:21	1	5	4	0	0	0
Breeding	VP1	05/08/2024	08:49	1	0	11	0	0	0
Breeding	VP3	12/08/2024	09:43	2	0	8	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00932	Breeding	VP10	12/05/2022	15:20	1	PB4	Roosting	N/A	N/A
P00949	Breeding	VP10	08/06/2022	13:20	1	PB4	Swimming	N/A	N/A
P04081	Breeding	VP4	06/04/2023	16:30	1	N/A	Foraging	N/A	N/A
P04103	Breeding	VP4	24/05/2023	06:35	1	N/A	Swimming	N/A	N/A
P05875	Non-breeding	VP10	01/02/2024	08:30	1	N/A	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01076	Breeding	Ref: 9	20/04/2022	39	Roosting on Incharmadermot island.	N/A	N/A
P01102	Breeding	Ref: 10	21/04/2022	1	Flying over.	F	Non-Breeding
P01103	Breeding	Ref: 13	21/04/2022	1	Flying over.	F	Non-Breeding
P01316	Breeding	Ref: 12	11/05/2022	2	Flying over river.	F	Non-Breeding
P01330	Breeding	Ref: 9	12/05/2022	82	26 roosting on shore line, 56 on tree some on nests.	ON	Confirmed
P01461	Breeding	Ref: 9	10/06/2022	63	35 on nest's that i can see, 28 roosting on the shoreline.	NY	Confirmed
P01481	Breeding	Ref: 12	14/06/2022	1	Flying over.	F	Non-Breeding
P01577	Breeding	ref: 9	06/07/2022	142	Roosting on a tree and around the shoreline.	N/A	N/A
P01705	Breeding	ref: 9	10/08/2022	74	Roosting around the Island.	N/A	N/A
P01793	Breeding	Ref No: 8	13/09/2022	5	Roosting around the shoreline.	N/A	N/A
P01970	Non-breeding	Rhynmount Bog	16/11/2022	1	Foraging on wetlands.	N/A	N/A
P01980	Non-breeding	Derrycashel Bog	16/11/2022	3	Roosting on wetlands.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02028	Non-breeding	Ref No 8	07/12/2022	3	Roosting on open water.	N/A	N/A
P02055	Non-breeding	Rhynmount Bog	08/12/2022	1	Roosting on wetlands.	N/A	N/A
P02079	Non-breeding	Derrycashel Bog	08/12/2022	1	Roosting on ESB pole	N/A	N/A
P02175	Non-breeding	Ref No 8	10/01/2023	1	Swimming on open water.	N/A	N/A
P02185	Non-breeding	Ref No 9	10/01/2023	3	Roosting around shore-line.	N/A	N/A
P02207	Non-breeding	Derrycashel Bog	23/01/2023	1	Roosting on ESB pole	N/A	N/A
P02139	Non-breeding	NE of Lisnacusha	29/01/2023	1	On top of flooded tree, took off heading west	N/A	N/A
P02319	Non-breeding	NE of Lisnacusha	29/01/2023	1	On top of flooded tree, took off heading west	N/A	N/A
P02233	Non-breeding	Ref No 5	03/02/2023	2	Flyover.	N/A	N/A
P02238	Non-breeding	Ref No 9	03/02/2023	42	Roosting on island.	N/A	N/A
P02254	Non-breeding	Derrycashel Bog	10/02/2023	3	Roosting on ESB pole	N/A	N/A
P02422	Non-breeding	Ref No 8	03/03/2023	2	Foraging on open water.	N/A	N/A
P02430	Non-breeding	Ref No 10	03/03/2023	7	Foraging on open water.	N/A	N/A
P02431	Non-breeding	Ref No 7	03/03/2023	1	Flyover.	N/A	N/A
P02441	Non-breeding	Ref No 5	03/03/2023	3	Flyover.	N/A	N/A
P02444	Non-breeding	Ref No 9	03/03/2023	130	Roosting on island.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02482	Non-breeding	Derrycashel Bog	16/03/2023	2	Roosting on ESB pole	N/A	N/A
P04174	Breeding	Gortgallan Bog	14/04/2023	1	Flyover	F	Non-Breeding
P04181	Breeding	Derrycashel Bog	14/04/2023	3	Foraging	N/A	N/A
P04190	Breeding	Ref No 12	14/04/2023	1	Roosting.	H	Possible
P04277	Breeding	Lough Ree	27/04/2023	2	2 Cormorant feeding	H	Possible
P04279	Breeding	Lough Ree	27/04/2023	80	80 Cormorant breeding on small island	N	Probable
P04357	Breeding	Derrycashel Bog	03/05/2023	2	Roosting	H	Possible
P04419	Breeding	5 KM radius	26/05/2023	55	55 Cormorants on island in lake..breeding	ON	Confirmed
P04469	Breeding	Onsite	02/06/2023	3	Flyover	F	Non-Breeding
P04489	Breeding	Ref No: 12	02/06/2023	1	Flyover	F	Non-Breeding
P04493	Breeding	Derrycashel Bog	02/06/2023	1	Flyover	F	Non-Breeding
P04499	Breeding	Ref No: 8	02/06/2023	1	Flyover	F	Non-Breeding
P04514	Breeding	Lough Ree	09/06/2023	30	30 Cormorants on island in lake..breeding	ON	Confirmed
P04609	Breeding	Onsite	07/07/2023	1	Swimming	N/A	N/A
P04621	Breeding	Ref No: 12	07/07/2023	1	Swimming	N/A	N/A
P04630	Breeding	Ref No: 8	07/07/2023	3	Roosting	N/A	N/A
P04642	Breeding	Lough Ree	19/07/2023	50	50 Cormorants on breeding colony on island in lake	FL	Confirmed
P04750	Breeding	Lough Ree	10/08/2023	35	35 Cormorant on Lough Ree	N/A	N/A
P04844	Breeding	Lough Ree	07/09/2023	25	25 Cormorant on island in lake	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06434	Non-breeding	5	06/10/2023	4	4 Cormorant on lake.	N/A	N/A
P06400	Non-breeding	Onsite	11/10/2023	2	Swimming	N/A	N/A
P06199	Non-breeding	Ref No: 12	13/11/2023	1	Perched	N/A	N/A
P06290	Non-breeding	5	23/11/2023	2	2 Cormorant on lake	N/A	N/A
P06552	Non-breeding	5	06/12/2023	1	Cormorant on lake	N/A	N/A
P06612	Non-breeding	Ref No: 12	12/01/2024	2	N/A	N/A	N/A
P06663	Non-breeding	Southern half of site	25/01/2024	2	N/A	N/A	N/A
P06678	Non-breeding	Ref No: 10	06/02/2024	1	N/A	N/A	N/A
P06693	Non-breeding	Ref No: 12	06/02/2024	1	N/A	N/A	N/A
P06731	Non-breeding	Southern half of site	19/02/2024	2	On lake	N/A	N/A
P06783	Non-breeding	Ref No: 8	07/03/2024	2	Flying	N/A	N/A
P06788	Non-breeding	Gortgallan Bog	07/03/2024	1	Flying	N/A	N/A
P06791	Non-breeding	Derrycashel Bog	07/03/2024	3	Roosting	N/A	N/A
P06795	Non-breeding	Ref No: 12	07/03/2024	2	Roosting	N/A	N/A
P05162	Breeding	2Km Buffer	14/05/2024	2	2 Cormorants took flight from wetland	N/A	N/A
P05668	Breeding	2 Km buffer	20/08/2024	2	Cormorants resting on wetland.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05805	Breeding	2km buffer	04/09/2024	2	2 Cormorants on lake	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00070	Breeding	T4	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00055	Breeding	T2	13/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00151	Breeding	T3	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00173	Breeding	T5	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P01144	Breeding	T4	12/04/2022	09:13	1	pb4	F	F	Non-Breeding
P01054	Breeding	T7	21/04/2022	N/A	1	PB4	Flying over.	F	Non-Breeding
P01282	Breeding	T3	19/05/2022	N/A	1	GM1	Flying over	F	Non-Breeding
P01380	Breeding	T19	07/06/2022	N/A	2	PB4	Flying over.	F	Non-Breeding
P01364	Breeding	T4	09/06/2022	N/A	1	pb4	N/A	F	Non-Breeding
P01521	Breeding	T11	07/07/2022	N/A	1	PB4	Flying over	F	Non-Breeding
P01562	Breeding	T6	14/07/2022	N/A	4	PB4	Flying over	F	Non-Breeding
P01564	Breeding	T3	14/07/2022	N/A	1	GM1	Flying over	F	Non-Breeding
P01733	Breeding	Transect 5	27/09/2022	N/A	1	pb4	F	N/A	N/A
P04239	Breeding	T9	06/04/2023	12:22	1	PB4	N/A	F	Non-Breeding
P04256	Breeding	T3	24/04/2023	13:58	1	PB4	N/A	F	Non-Breeding
P04308	Breeding	T4	24/05/2023	09:00	3	PB4	N/A	F	Non-Breeding
P04316	Breeding	T5	24/05/2023	10:05	2	PB4	N/A	F	Non-Breeding
P04458	Breeding	T4	21/06/2023	15:45	1	PB4	N/A	F	Non-Breeding
P04583	Breeding	T5	05/07/2023	13:45	1	PB4	N/A	F	Non-Breeding
P04700	Breeding	T4	02/08/2023	11:50	1	PB4	N/A	N/A	N/A
P04798	Breeding	T5	25/09/2023	12:00	1	PB4	N/A	N/A	N/A
P06361	Non-breeding	T3	06/10/2023	10:45	1	PB4	Flyover	N/A	N/A
P06165	Non-breeding	T3	08/11/2023	10:10	1	PB4	Flyover	N/A	N/A
P05907	Non-breeding	T2	05/01/2024	08:50	1	FW2	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05909	Non-breeding	T3	08/01/2024	11:55	1	FW2	N/A	N/A	N/A
P05974	Non-breeding	T2	06/02/2024	11:15	1	FW2	N/A	N/A	N/A
P05982	Non-breeding	T3	13/02/2024	13:20	1	PB4	N/A	N/A	N/A
P06040	Non-breeding	3	06/03/2024	11:00	3	FW2	N/A	N/A	N/A
P06044	Non-breeding	9	06/03/2024	12:35	2	PB4	N/A	N/A	N/A
P06046	Non-breeding	2	07/03/2024	07:50	1	FW2	N/A	N/A	N/A
P05203	Breeding	T10	16/05/2024	10:29	1	PB4	N/A	N/A	N/A
P05250	Breeding	T20	05/06/2024	12:30	2	PB4	N/A	N/A	N/A
P05393	Breeding	T10	25/06/2024	11:53	2	PB4	N/A	N/A	N/A
P05441	Breeding	T4	05/07/2024	08:00	1	PB4	N/A	N/A	N/A
P05449	Breeding	T2	08/07/2024	07:25	2	PB4	N/A	F	Non-Breeding
P05495	Breeding	T10	22/07/2024	16:15	1	PB4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00254	Breeding	HHVP5	12/05/2021	97	N/A	N/A
P00267	Breeding	HHVP6	12/05/2021	2	N/A	N/A
P00269	Breeding	HHVP7	12/05/2021	1	N/A	N/A
P00291	Breeding	HHVP11	13/05/2021	2	N/A	N/A
P00302	Breeding	HHVP12	13/05/2021	1	N/A	N/A
P00283	Breeding	HHVP9	14/05/2021	4	N/A	N/A
P00362	Breeding	HHVP11	11/06/2021	1	N/A	N/A
P00370	Breeding	HHVP15	11/06/2021	1	N/A	N/A
P00334	Breeding	HHVP5	12/06/2021	105	N/A	N/A
P00337	Breeding	HHVP6	12/06/2021	1	N/A	N/A
P00357	Breeding	HHVP9	12/06/2021	1	N/A	N/A
P00359	Breeding	HHVP10	12/06/2021	1	N/A	N/A
P00398	Breeding	HHVP5	17/07/2021	114	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00402	Breeding	HHVP6	17/07/2021	1	N/A	N/A
P00423	Breeding	HHVP9	17/07/2021	63	N/A	N/A
P00449	Breeding	HHVP5	05/08/2021	52	N/A	N/A
P00470	Breeding	HHVP9	05/08/2021	3	N/A	N/A
P00481	Breeding	HHVP12	05/08/2021	1	N/A	N/A
P00501	Breeding	HHVP5	14/08/2021	24	N/A	N/A
P00534	Breeding	HHVP9	14/08/2021	2	N/A	N/A
P00590	Breeding	HHVP8	09/09/2021	1	N/A	N/A
P00601	Breeding	HHVP9	09/09/2021	1	N/A	N/A
P00661	Breeding	HHVP9	30/09/2021	3	N/A	N/A
P00739	Non-breeding	HHVP6	24/11/2021	3	N/A	N/A
P00755	Non-breeding	HHVP15	24/11/2021	1	N/A	N/A

8°2'40"W
7°53'50"W
7°45'0"W
53°45'0"N
53°40'0"N
53°35'0"N
776000
768000
760000
593600
604000
614400

Strokestown Golf Club
Townparks (Longford By)
Enybegs
Cloonrollagh
Ballytoohey
Sheet 1
Termonbarry
Cloondara
Cloonbalt
Longford
Feraghfad
Cloontuskert
Sheet 2
Sheet 3
Ballyleague
Knock
Stonepark (Ardagh By)
Sheet 5
Sheet 4
Sheet 6
Keenagh
Fearagh
Knockcroghery
Galey
Lough Ree
Derrymacar Lough
Drinan
Ballymahon
R371
R194
R397
R393
R392
N5
N63
N55
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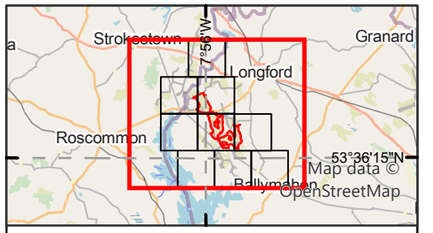

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 1.5 3
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NOTES

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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Great Cormorant
Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-028.ApX-SUM-CA-TOB-A

Draft: A

7°53'50"W

53°45'0"N

604000

776000

P01103

P01316, P01481, P04190, P04489, P04621, P06199, P06612, P06693, P06795

P00370, P00755

P00302, P00481

P01980, P02079, P02207, P02254, P02482

P04181, P04357, P04493, P06791

P00291, P00362

Ballytoohey

Termonbarry

Cloondara

M5

L1462

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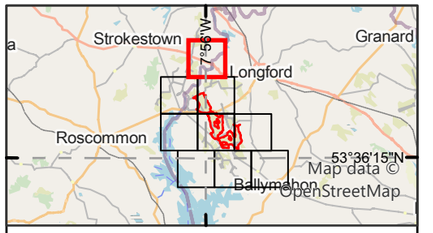

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23

Flightline observations - Seasons

- Breeding-21

*should be read with data in Appendix 8.3

0 0.5 1
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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Great Cormorant Sheet 1 of 6

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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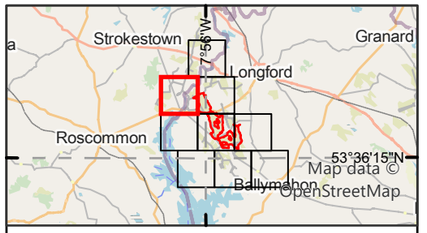
Map Ref: 11399-028.ApX-SUM-CA-TOB-A

Draft: A

8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Great Cormorant
Sheet 2 of 6

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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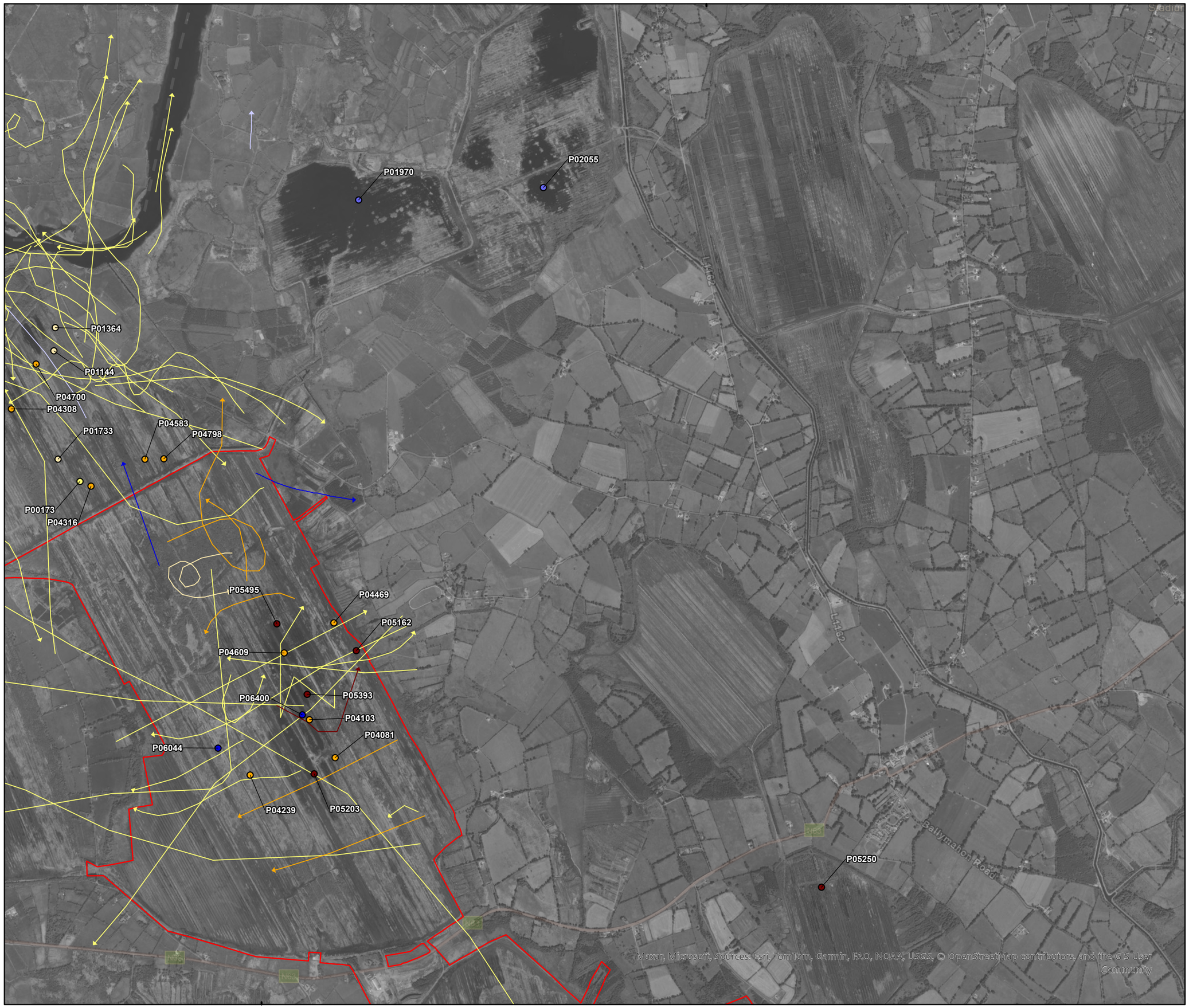
Map Ref: 11399-028.ApX-SUM-CA-TOB-A

Draft: A

7°53'50"W



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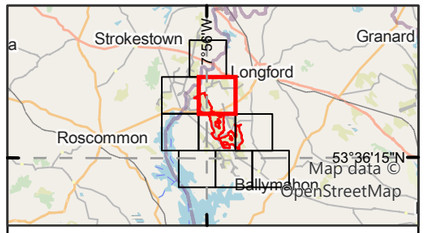

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Great Cormorant
Sheet 3 of 6

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-028.ApX-SUM-CA-TOB-A

Draft: A

7°53'50"W

53°40'0"N

768000

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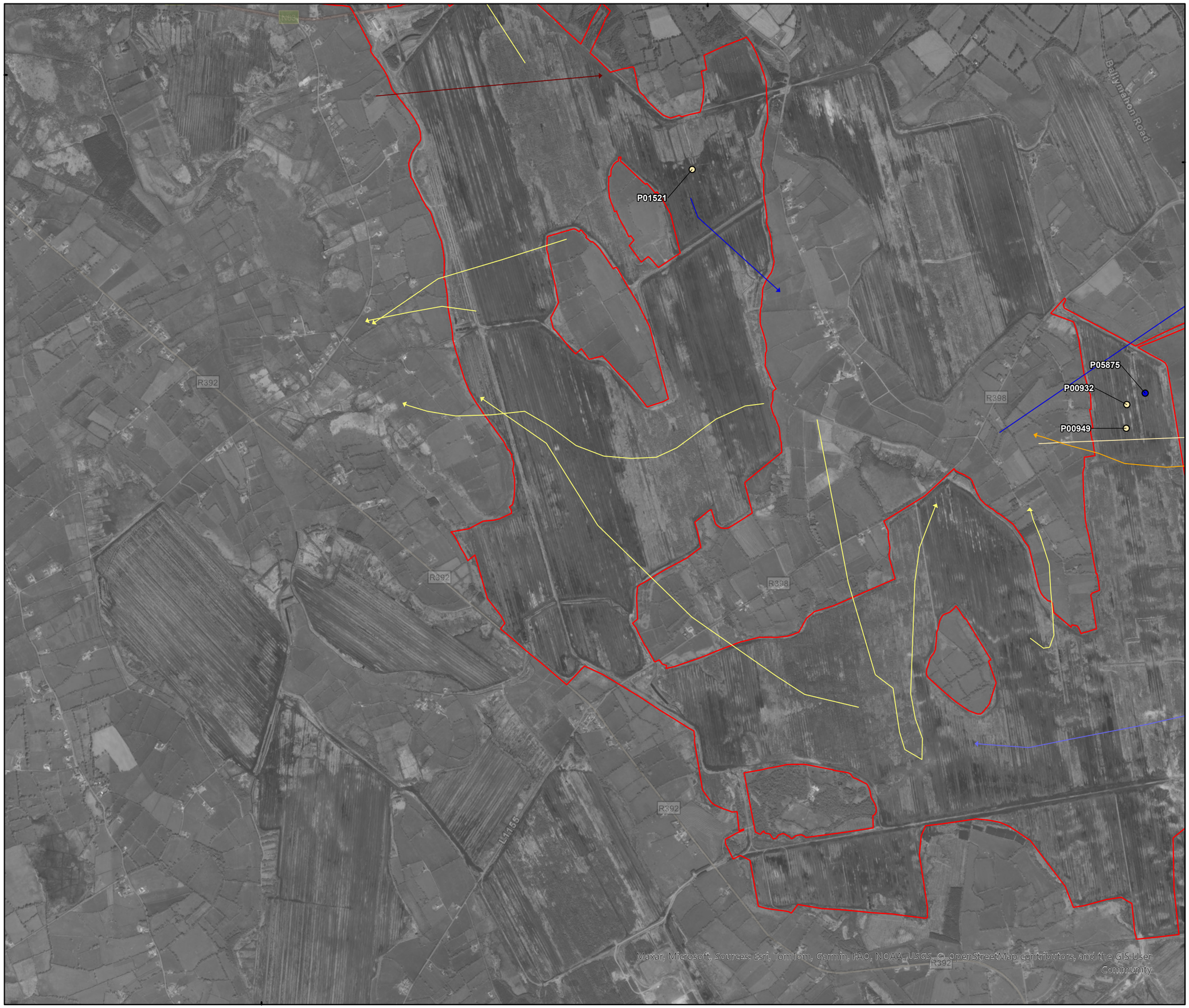

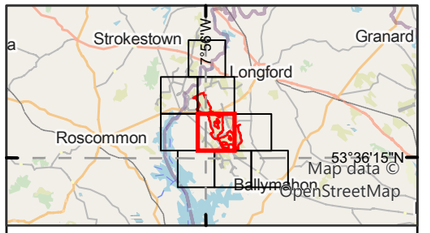

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-23/24
- Breeding-22

Flightline observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING\
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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Great Cormorant
Sheet 4 of 6

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-028.ApX-SUM-CA-TOB-A

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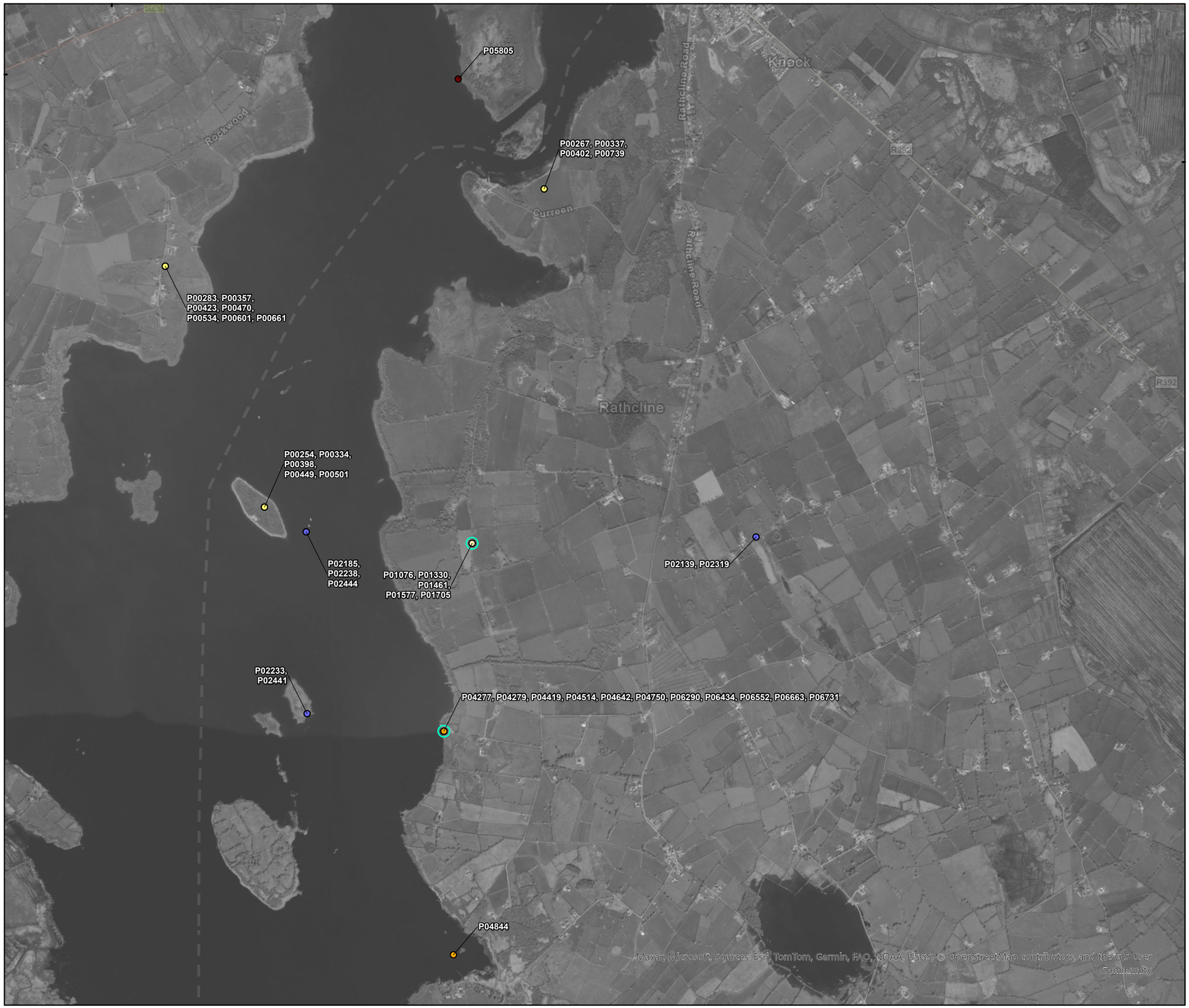
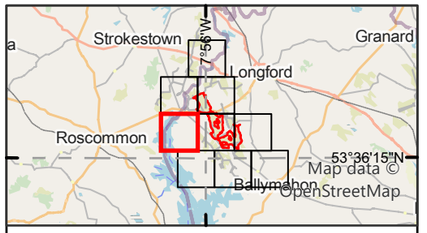
8°2'40"W

53°40'0"N

768000





Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Great Cormorant
Sheet 5 of 6

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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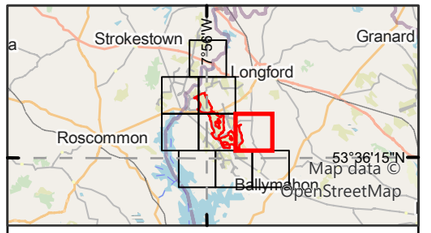

Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-23/24
- Breeding-22

Flightline observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

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Kilometres

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Great Cormorant
Sheet 6 of 6

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Draft: A

Appendix 8.3dd GREAT CRESTED GREBE

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP2	23/11/2021	10:51	1	120	0	0	0	0
Breeding	VP1	09/05/2024	07:00	1	2	0	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01848	Non-breeding	VP1	16/12/2022	00:00	1	FW2	Swimming	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01073	Breeding	New site	19/04/2022	3	One bird seen nest building.	B	Probable
P01105	Breeding	Ref: 15	21/04/2022	1	Swimming amongst reeds.	N/A	N/A
P01110	Breeding	New site	22/04/2022	1	Swimming amongst vegetation on side of lake.	N/A	N/A
P01118	Breeding	New site	22/04/2022	2	Suitable nesting habitat, Courtship and display on lake.	D	Probable
P01294	Breeding	Corlea Wetlands	05/05/2022	6	Seen around the lake, one on a nest.	ON	Confirmed
P01301	Breeding	Rhynmount Bog.	10/05/2022	1	Swimming on lake.	N/A	N/A
P01328	Breeding	Ref: 5	12/05/2022	1	Swimming on lake.	N/A	N/A
P01572	Breeding	ref: 5	06/07/2022	1	Swimming on open water.	N/A	N/A
P01584	Breeding	ref: 8	11/07/2022	1	Foraging on open water.	N/A	N/A
P01590	Breeding	ref: 15	11/07/2022	1	Swimming on open water.	N/A	N/A
P01695	Breeding	ref: 8	10/08/2022	1	Foraging around the shoreline.	N/A	N/A
P01699	Breeding	ref: 5	10/08/2022	7	Swimming on open water.	N/A	N/A
P01794	Breeding	Ref No: 8	13/09/2022	1	Swimming on open water.	N/A	N/A
P01804	Breeding	Ref No: 5	13/09/2022	7	Swimming on open water.	N/A	N/A
P01913	Non-breeding	Ref No 5	13/10/2022	4	Foraging on open water.	N/A	N/A
P01950	Non-breeding	Ref No 8	08/11/2022	1	Foraging around shore-line.	N/A	N/A
P02034	Non-breeding	Ref No 8	07/12/2022	1	Swimming on open water.	N/A	N/A
P02064	Non-breeding	Rhynmount Bog	08/12/2022	1	Foraging on wetland.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02182	Non-breeding	Ref No 5	10/01/2023	1	Swimming on open water.	N/A	N/A
P02244	Non-breeding	Ref No 12	10/02/2023	2	Foraging on open water.	N/A	N/A
P02437	Non-breeding	Ref No 5	03/03/2023	3	Pair displaying.	N/A	N/A
P04159	Breeding	Ref No 8	14/04/2023	2	Foraging	N/A	N/A
P04189	Breeding	Ref No 12	14/04/2023	1	Foraging	N/A	N/A
P04194	Breeding	Ref No 15	14/04/2023	3	Foraging	N/A	N/A
P04341	Breeding	Ref No: 15	03/05/2023	2	Foraging.	N/A	N/A
P04414	Breeding	5 KM radius	26/05/2023	1	Great Crested grebe feeding on lake.	H	Possible
P04518	Breeding	Lough Ree	09/06/2023	2	2 Great Crested Grebe on lake.	H	Possible
P04528	Breeding	5 KM radius	09/06/2023	2	2 Great Crested Grebe on lake.	H	Possible
P04605	Breeding	Onsite	07/07/2023	4	2 Adults, 2 young chicks been carried by adult	FL	Confirmed
P04619	Breeding	Ref No: 12	07/07/2023	1	Foraging	N/A	N/A
P04645	Breeding	Lough Ree	19/07/2023	2	2 Great Crested Grebe feeding on lake.	N/A	N/A
P04651	Breeding	09200 61800	19/07/2023	3	1 Adult and 2 young on lake	FL	Confirmed
P04714	Breeding	Onsite	03/08/2023	3	Foraging,1 adult and 2 half grown chicks.	N/A	N/A
P04729	Breeding	Ref No: 12	03/08/2023	1	Foraging, adult.	N/A	N/A
P04736	Breeding	Ref No: 8	03/08/2023	2	Foraging, adults.	N/A	N/A
P04752	Breeding	Lough Ree	10/08/2023	4	4 Great Crested Grebes feeding, adults and 2 young	N/A	N/A
P06390	Non-breeding	Ref No: 12	11/10/2023	1	Foraging	N/A	N/A
P06190	Non-breeding	Ref No: 8	08/11/2023	1	Swimming	N/A	N/A
P06550	Non-breeding	5	06/12/2023	4	4 Great -crested Grebe on lake	N/A	N/A
P06605	Non-breeding	Ref No: 8	05/01/2024	1	N/A	N/A	N/A
P06611	Non-breeding	Ref No: 12	12/01/2024	3	N/A	N/A	N/A
P06794	Non-breeding	Ref No: 12	07/03/2024	2	Courtship display	N/A	N/A
P06798	Non-breeding	Ref No: 15	08/03/2024	2	Foraging	N/A	N/A
P04971	Breeding	2 km North of site	17/04/2024	1	Great Crested Grebe on Lough Ree	H	Possible
P05181	Breeding	2KM Buffer	15/05/2024	1	Great Crested Grebe in suitable breeding habitat	H	Possible
P05185	Breeding	2KM Buffer	15/05/2024	1	Great Crested Grebe in suitable breeding habitat	H	Possible
P05349	Breeding	2km buffer	18/06/2024	6	6 Great-crested Grebe on lake, 2 Adults 4 chicks.	FL	Confirmed
P05521	Breeding	2km buffer	24/07/2024	3	Adult Grebe with young	FL	Confirmed
P05662	Breeding	2 Km buffer	20/08/2024	2	Adult and young feeding on lake	N/A	N/A

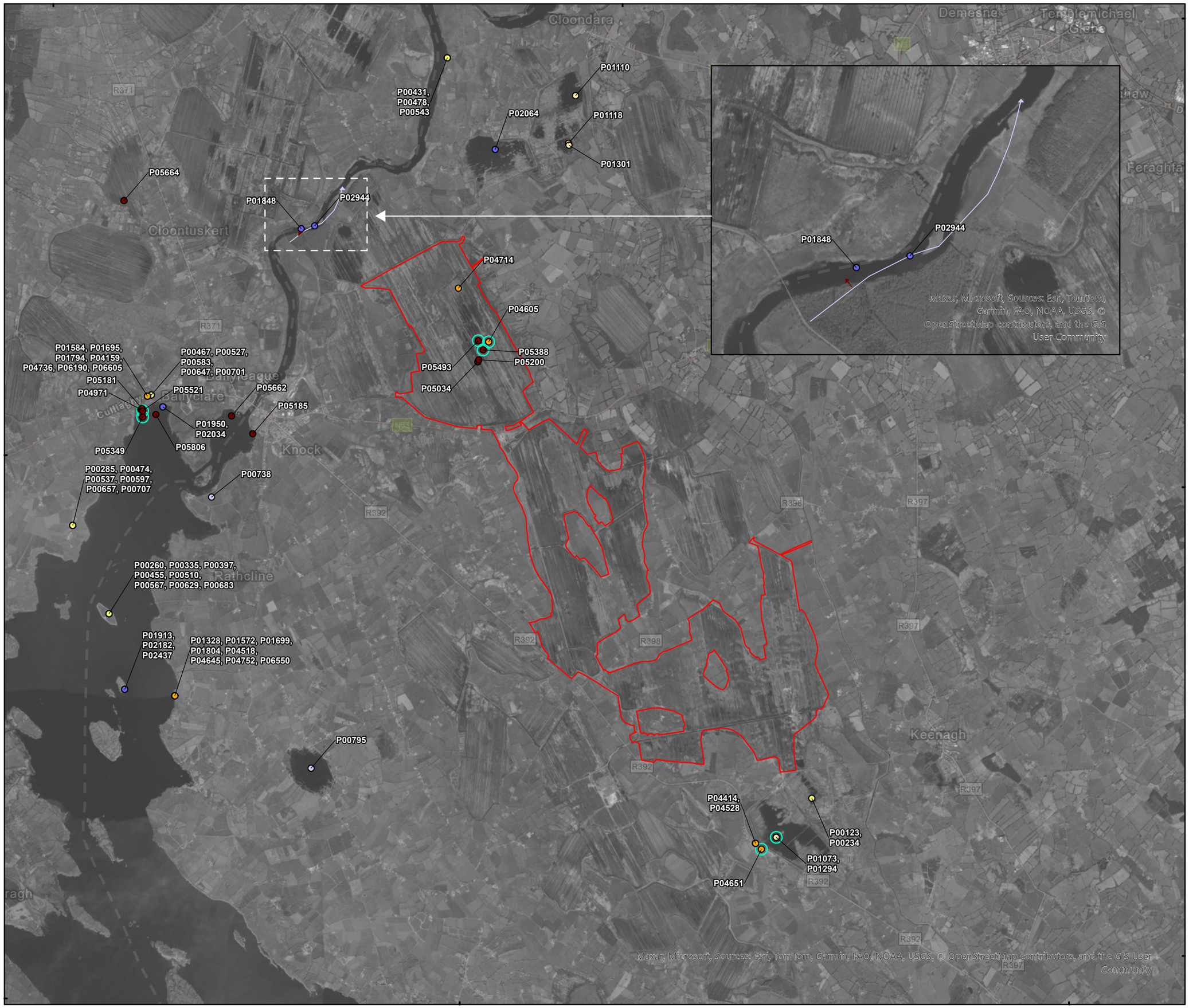
I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05664	Breeding	2 Km buffer	20/08/2024	1	2 Great Crested Grebe on lake	N/A	N/A
P05806	Breeding	2km buffer	04/09/2024	2	2 Great Crested Grebes on lake	N/A	N/A

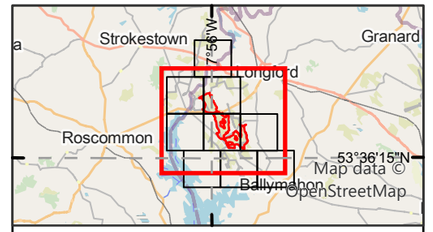
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00123	Breeding	T19	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00234	Breeding	T19	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P02944	Non-breeding	T2	14/11/2022	N/A	2	FW2	Swimming	N/A	N/A
P05034	Breeding	Transect 10	10/04/2024	15:58	1	pb4	Great-Crested Grebe on wetland area	H	Possible
P05200	Breeding	T10	16/05/2024	10:29	1	PB4	Great Crested Grebe in suitable breeding habitat	H	Possible
P05388	Breeding	T10	25/06/2024	11:42	2	PB4	Adult GG with chicks	FL	Confirmed
P05493	Breeding	T10	22/07/2024	15:49	2	PB4	Great Crested Grebe with young.	FL	Confirmed

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00260	Breeding	HHVP5	12/05/2021	12	N/A	N/A
P00297	Breeding	HHVP12	13/05/2021	3	N/A	N/A
P00285	Breeding	HHVP9	14/05/2021	4	N/A	N/A
P00365	Breeding	HHVP12	11/06/2021	1	N/A	N/A
P00335	Breeding	HHVP5	12/06/2021	3	N/A	N/A
P00397	Breeding	HHVP5	17/07/2021	10	N/A	N/A
P00431	Breeding	HHVP11	17/07/2021	2	N/A	N/A
P00435	Breeding	HHVP12	17/07/2021	2	N/A	N/A
P00455	Breeding	HHVP5	05/08/2021	4	N/A	N/A
P00467	Breeding	HHVP8	05/08/2021	2	N/A	N/A
P00474	Breeding	HHVP9	05/08/2021	3	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00478	Breeding	HHVP11	05/08/2021	1	N/A	N/A
P00483	Breeding	HHVP12	05/08/2021	1	N/A	N/A
P00510	Breeding	HHVP5	14/08/2021	12	N/A	N/A
P00527	Breeding	HHVP8	14/08/2021	12	N/A	N/A
P00537	Breeding	HHVP9	14/08/2021	6	N/A	N/A
P00543	Breeding	HHVP11	14/08/2021	2	N/A	N/A
P00567	Breeding	HHVP5	09/09/2021	6	N/A	N/A
P00583	Breeding	HHVP8	09/09/2021	6	N/A	N/A
P00597	Breeding	HHVP9	09/09/2021	4	N/A	N/A
P00629	Breeding	HHVP5	30/09/2021	4	N/A	N/A
P00647	Breeding	HHVP8	30/09/2021	7	N/A	N/A
P00657	Breeding	HHVP9	30/09/2021	1	N/A	N/A
P00683	Non-breeding	HHVP5	26/10/2021	2	N/A	N/A
P00701	Non-breeding	HHVP8	26/10/2021	4	N/A	N/A
P00707	Non-breeding	HHVP9	26/10/2021	4	N/A	N/A
P00738	Non-breeding	HHVP6	24/11/2021	2	N/A	N/A
P00795	Non-breeding	HHVP4	28/02/2022	1	N/A	N/A

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
604000
614400
776000
768000
760000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Breeding-24

*should be read with data in Appendix 8.3

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Project: Derryadd Wind Farm

Title: Flight and non-flight observations Great Crested Grebe Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-029.ApX-SUM-GG-TOB-A

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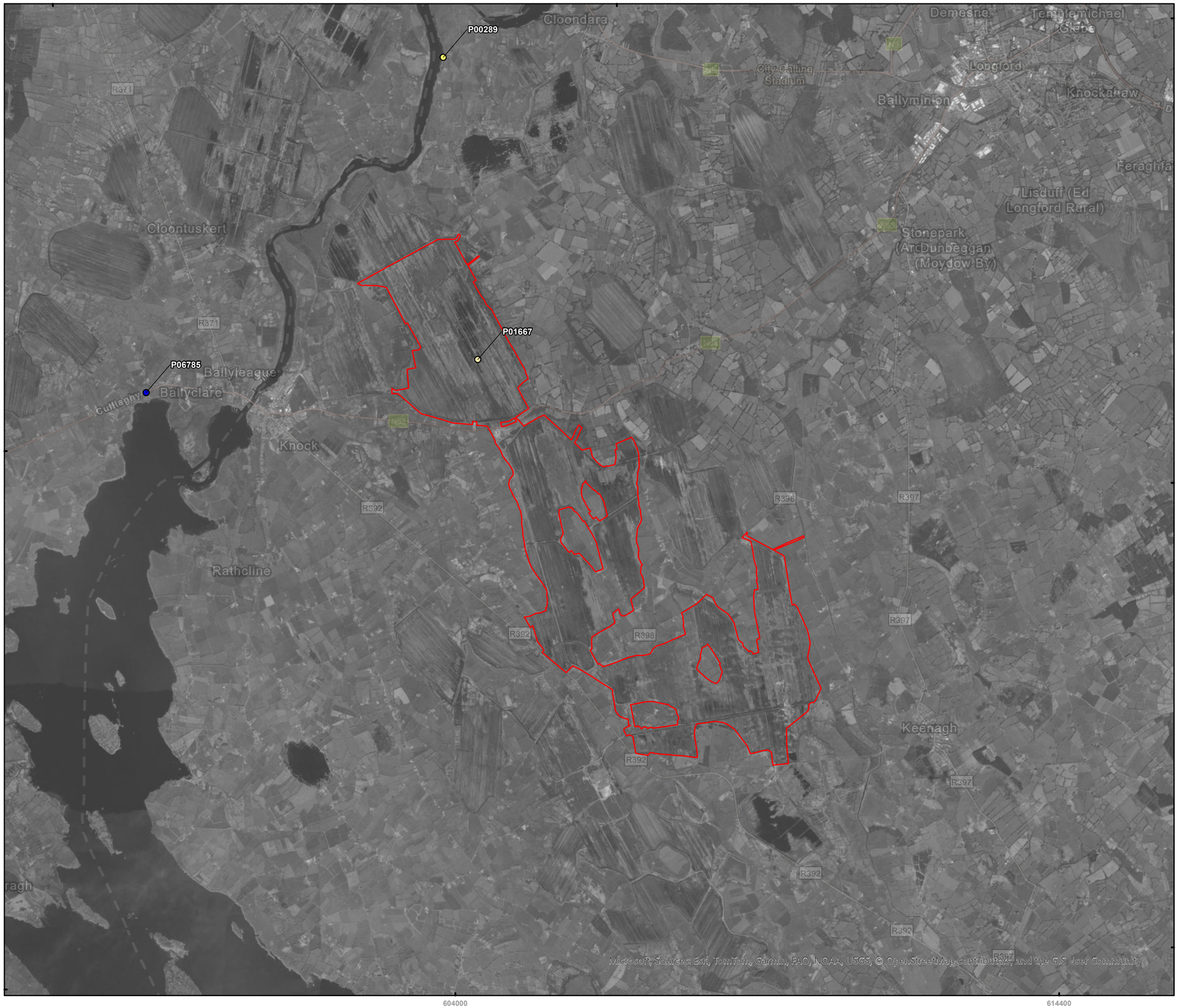
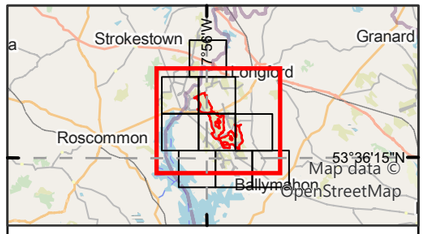
Appendix 8.3ee GREAT EGRET

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06785	Non-breeding	Ref No: 8	07/03/2024	1	Foraging	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01667	Breeding	T10	10/08/2022	N/A	1	PB4	Foraging	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00289	Breeding	HHVP11	13/05/2021	1	N/A	N/A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-23/24
- Breeding-21
- Breeding-22

0 1 2
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A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Great Egret
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Appendix 8.3ff GREY HERON

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP2	29/04/2021	10:11	1	30	0	0	0	0
Breeding	VP2	29/04/2021	10:33	1	9	0	0	0	0
Breeding	VP2	29/04/2021	15:45	1	17	0	0	0	0
Breeding	VP3	04/05/2021	08:36	1	53	0	0	0	0
Breeding	VP3	04/05/2021	10:15	1	12	0	0	0	0
Breeding	VP3	04/05/2021	15:20	1	32	0	0	0	0
Breeding	VP4	05/05/2021	09:37	1	97	27	0	0	0
Breeding	VP4	05/05/2021	13:55	1	2	0	0	0	0
Breeding	VP5	05/05/2021	17:30	1	12	0	0	0	0
Breeding	VP1	06/05/2021	17:18	1	0	0	0	0	355
Breeding	VP1	06/05/2021	13:42	1	15	0	0	0	0
Breeding	VP1	06/05/2021	14:18	1	12	0	0	0	0
Breeding	VP5	06/05/2021	08:51	1	3	0	0	0	0
Breeding	VP6	07/05/2021	10:43	1	52	0	0	0	0
Breeding	VP6	07/05/2021	13:30	1	19	0	0	0	0
Breeding	VP7	07/05/2021	18:19	1	0	128	0	0	0
Breeding	VP7	11/05/2021	13:21	1	122	0	0	0	0
Breeding	VP8	11/05/2021	19:06	1	0	0	102	0	0
Breeding	VP8	11/05/2021	19:15	1	30	0	0	0	0
Breeding	VP8	19/05/2021	10:43	1	6	47	0	0	0
Breeding	VP10	27/05/2021	13:52	1	18	0	0	0	0
Breeding	VP1	01/06/2021	15:13	1	33	0	0	0	0
Breeding	VP3	01/06/2021	18:06	1	0	0	154	0	0
Breeding	VP4	10/06/2021	19:34	3	29	0	0	0	0
Breeding	VP5	16/06/2021	16:30	1	40	0	0	0	0
Breeding	VP5	16/06/2021	19:45	1	15	0	0	0	0
Breeding	VP6	17/06/2021	16:03	1	34	0	0	0	0
Breeding	VP7	18/06/2021	12:01	1	15	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP8	23/06/2021	16:52	1	0	0	78	0	0
Breeding	VP9	24/06/2021	12:41	1	22	0	0	0	0
Breeding	VP10	24/06/2021	16:57	1	10	0	0	0	0
Breeding	VP3	05/07/2021	18:06	1	15	15	0	0	0
Breeding	VP5	06/07/2021	18:24	1	21	0	0	0	0
Breeding	VP2	07/07/2021	13:20	1	11	0	0	0	0
Breeding	VP2	07/07/2021	17:23	1	7	20	0	0	0
Breeding	VP4	07/07/2021	20:15	1	17	0	0	0	0
Breeding	VP6	08/07/2021	17:33	1	20	35	0	0	0
Breeding	VP6	08/07/2021	16:59	1	22	0	0	0	0
Breeding	VP4	09/07/2021	17:15	1	19	10	0	0	0
Breeding	VP5	09/07/2021	20:19	1	15	0	0	0	0
Breeding	VP7	09/07/2021	12:23	1	25	0	0	0	0
Breeding	VP9	14/07/2021	09:00	1	26	0	0	0	0
Breeding	VP10	15/07/2021	19:08	2	27	0	0	0	0
Breeding	VP2	28/07/2021	10:47	1	14	0	0	0	0
Breeding	VP3	28/07/2021	19:03	1	14	0	0	0	0
Breeding	VP3	29/07/2021	18:27	1	0	0	93	0	0
Breeding	VP4	30/07/2021	11:00	2	23	0	0	0	0
Breeding	VP4	30/07/2021	13:30	1	12	0	0	0	0
Breeding	VP4	30/07/2021	15:23	1	21	0	0	0	0
Breeding	VP4	30/07/2021	16:53	2	7	0	0	0	0
Breeding	VP7	02/08/2021	17:34	1	15	0	0	0	0
Breeding	VP8	03/08/2021	19:49	1	15	0	0	0	0
Breeding	VP9	03/08/2021	10:05	1	39	0	0	0	0
Breeding	VP9	03/08/2021	10:19	1	80	16	0	0	0
Breeding	VP9	03/08/2021	14:56	1	28	37	147	0	0
Breeding	VP6	04/08/2021	12:03	1	31	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP6	04/08/2021	16:41	1	44	0	0	0	0
Breeding	VP10	05/08/2021	13:05	1	31	0	0	0	0
Breeding	VP10	11/08/2021	09:59	1	10	0	0	0	0
Breeding	VP5	12/08/2021	16:31	1	15	0	0	0	0
Breeding	VP4	13/08/2021	15:57	1	11	0	0	0	0
Breeding	VP4	13/08/2021	17:03	1	5	0	0	0	0
Breeding	VP3	16/08/2021	15:00	1	10	0	0	0	0
Breeding	VP2	17/08/2021	09:42	1	18	0	0	0	0
Breeding	VP2	17/08/2021	10:20	2	14	39	0	0	0
Breeding	VP2	17/08/2021	11:46	1	15	0	0	0	0
Breeding	VP2	17/08/2021	13:24	1	11	0	0	0	0
Breeding	VP2	17/08/2021	14:50	1	14	0	0	0	0
Breeding	VP1	18/08/2021	10:54	1	24	0	0	0	0
Breeding	VP1	18/08/2021	13:14	1	18	0	0	0	0
Breeding	VP1	18/08/2021	14:57	1	5	0	0	0	0
Breeding	VP9	18/08/2021	19:02	1	24	0	0	0	0
Breeding	VP10	20/08/2021	12:02	1	25	0	0	0	0
Breeding	VP11	20/08/2021	13:40	1	26	0	0	0	0
Breeding	VP3	02/09/2021	09:50	1	5	17	80	0	0
Breeding	VP3	02/09/2021	11:19	1	15	0	0	0	0
Breeding	VP3	02/09/2021	13:45	1	14	0	0	0	0
Breeding	VP5	02/09/2021	16:57	1	23	0	0	0	0
Breeding	VP7	03/09/2021	14:02	1	17	0	0	0	0
Breeding	VP1	06/09/2021	11:23	1	12	0	0	0	0
Breeding	VP4	07/09/2021	12:53	1	12	0	0	0	0
Breeding	VP4	07/09/2021	14:52	1	27	0	0	0	0
Breeding	VP4	07/09/2021	17:23	1	17	0	0	0	0
Breeding	VP2	12/09/2021	13:30	1	15	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP2	12/09/2021	14:41	1	22	0	0	0	0
Breeding	VP2	12/09/2021	16:45	1	26	0	0	0	0
Breeding	VP2	12/09/2021	17:32	1	44	0	0	0	0
Breeding	VP2	12/09/2021	18:21	1	17	0	0	0	0
Breeding	VP6	12/09/2021	11:15	1	27	0	0	0	0
Breeding	VP9	13/09/2021	10:33	1	43	0	0	0	0
Breeding	VP10	13/09/2021	17:38	1	18	0	0	0	0
Breeding	VP11	14/09/2021	13:11	1	33	0	0	0	0
Breeding	VP11	14/09/2021	16:10	1	14	0	0	0	0
Breeding	VP2	20/09/2021	09:20	1	15	0	0	0	0
Breeding	VP2	20/09/2021	13:06	1	16	0	0	0	0
Breeding	VP2	20/09/2021	13:33	1	19	0	0	0	0
Breeding	VP9	21/09/2021	10:57	1	35	0	0	0	0
Breeding	VP10	22/09/2021	10:53	1	21	0	0	0	0
Breeding	VP4	23/09/2021	09:57	1	16	0	0	0	0
Breeding	VP4	23/09/2021	11:03	1	37	0	0	0	0
Breeding	VP4	23/09/2021	13:00	1	21	0	0	0	0
Breeding	VP4	23/09/2021	15:21	1	12	0	0	0	0
Breeding	VP4	23/09/2021	14:53	1	10	0	0	0	0
Breeding	VP1	24/09/2021	16:52	1	0	0	162	0	0
Breeding	VP1	24/09/2021	17:49	1	11	0	0	0	0
Breeding	VP1	27/09/2021	10:12	1	19	0	0	0	0
Breeding	VP1	27/09/2021	11:05	1	17	0	0	0	0
Breeding	VP3	28/09/2021	17:15	1	15	0	0	0	0
Breeding	VP6	28/09/2021	09:52	1	31	0	0	0	0
Breeding	VP3	29/09/2021	11:30	1	29	0	0	0	0
Non-breeding	VP1	01/10/2021	11:55	1	17	0	0	0	0
Non-breeding	VP1	01/10/2021	13:45	1	23	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP1	01/10/2021	09:43	1	15	0	0	0	0
Non-breeding	VP5	01/10/2021	17:42	1	22	0	0	0	0
Non-breeding	VP4	02/10/2021	10:10	1	18	0	0	0	0
Non-breeding	VP4	02/10/2021	12:39	1	29	0	0	0	0
Non-breeding	VP4	02/10/2021	13:04	1	7	0	0	0	0
Non-breeding	VP5	02/10/2021	16:26	1	57	0	0	0	0
Non-breeding	VP6	03/10/2021	10:37	1	124	0	0	0	0
Non-breeding	VP7	03/10/2021	16:22	1	31	0	0	0	0
Non-breeding	VP10	20/10/2021	10:00	1	27	0	0	0	0
Non-breeding	VP10	25/10/2021	15:04	1	24	0	0	0	0
Non-breeding	VP3	26/10/2021	09:03	1	30	0	0	0	0
Non-breeding	VP3	26/10/2021	12:52	1	16	0	0	0	0
Non-breeding	VP7	27/10/2021	09:51	1	44	0	0	0	0
Non-breeding	VP2	28/10/2021	09:49	1	22	0	0	0	0
Non-breeding	VP2	28/10/2021	14:10	1	19	0	0	0	0
Non-breeding	VP2	28/10/2021	14:51	1	17	0	0	0	0
Non-breeding	VP9	29/10/2021	15:07	1	10	157	0	0	0
Non-breeding	VP2	23/11/2021	08:38	1	38	0	0	0	0
Non-breeding	VP2	23/11/2021	11:00	1	62	0	0	0	0
Non-breeding	VP11	25/11/2021	10:47	1	0	0	0	0	0
Non-breeding	VP11	25/11/2021	10:52	1	2	0	0	0	0
Non-breeding	VP4	25/11/2021	10:11	1	51	0	0	0	0
Non-breeding	VP7	29/11/2021	12:36	1	0	32	0	0	0
Non-breeding	VP7	29/11/2021	14:28	1	61	0	0	0	0
Non-breeding	VP1	13/12/2021	12:15	1	0	0	25	0	0
Non-breeding	VP1	13/12/2021	12:21	1	6	20	4	0	0
Non-breeding	VP4	15/12/2021	11:40	1	4	11	0	0	0
Non-breeding	VP2	17/01/2022	09:46	1	5	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP2	17/01/2022	13:10	2	20	0	0	0	0
Non-breeding	VP10	01/02/2022	13:21	1	0	40	0	0	0
Non-breeding	VP2	03/02/2022	10:59	1	10	0	0	0	0
Non-breeding	VP2	03/02/2022	14:26	2	0	50	0	0	0
Non-breeding	VP8	14/02/2022	11:26	1	19	0	0	0	0
Non-breeding	VP1	02/03/2022	13:53	1	0	0	40	0	0
Non-breeding	VP7	07/03/2022	13:16	1	4	8	0	0	0
Non-breeding	VP3	16/03/2022	10:16	1	5	5	20	0	0
Non-breeding	VP3	16/03/2022	15:14	1	0	25	0	0	0
Non-breeding	VP11	28/03/2022	10:50	1	10	30	0	0	0
Breeding	VP9	11/04/2022	13:45	1	25	0	0	0	0
Breeding	VP 1	12/04/2022	16:19	1	0	30	0	0	0
Breeding	VP 3	14/04/2022	07:05	2	0	10	85	0	0
Breeding	VP11	15/04/2022	09:50	1	0	35	0	0	0
Breeding	VP 4	03/05/2022	15:11	1	10	30	0	0	0
Breeding	VP 4	03/05/2022	16:07	2	25	0	0	0	0
Breeding	VP 6	16/05/2022	20:45	1	0	25	70	0	0
Breeding	VP 1	18/05/2022	11:10	1	45	0	0	0	0
Breeding	VP11	07/06/2022	12:21	2	25	0	0	0	0
Breeding	VP 1	09/06/2022	15:40	1	0	0	0	0	0
Breeding	VP9	09/06/2022	16:15	1	37	0	0	0	0
Breeding	VP 3	06/07/2022	10:39	1	0	25	0	0	0
Breeding	VP8	12/07/2022	14:05	1	0	19	0	0	0
Breeding	VP8	12/07/2022	14:14	1	15	0	0	0	0
Breeding	VP 1	04/08/2022	18:02	1	15	30	0	0	0
Breeding	VP 4	16/08/2022	18:52	1	0	35	0	0	0
Breeding	VP10	05/09/2022	11:15	1	35	0	0	0	0
Breeding	VP11	16/09/2022	11:35	1	31	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP11	16/09/2022	16:55	1	25	0	0	0	0
Breeding	VP 4	26/09/2022	17:26	1	20	15	0	0	0
Breeding	VP 6	28/09/2022	13:27	1	0	40	20	0	0
Non-breeding	VP1	05/10/2022	18:24	1	4	0	0	0	0
Non-breeding	VP4	08/10/2022	15:38	1	4	0	0	0	0
Non-breeding	VP1	09/10/2022	10:40	1	3	5	0	0	0
Non-breeding	VP10	12/10/2022	13:15	1	65	0	0	0	0
Non-breeding	VP11	13/10/2022	09:15	1	55	0	0	0	0
Non-breeding	VP11	13/10/2022	10:25	1	35	0	0	0	0
Non-breeding	VP9	15/11/2022	14:30	1	10	10	0	0	0
Non-breeding	VP 1	16/12/2022	09:25	1	2	0	0	0	0
Non-breeding	VP2	21/12/2022	10:35	1	4	0	0	0	0
Non-breeding	VP1	09/01/2023	15:51	1	9	0	0	0	0
Non-breeding	VP11	20/01/2023	13:15	1	20	0	0	0	0
Non-breeding	VP1	06/02/2023	10:50	1	4	0	0	0	0
Breeding	VP9	07/04/2023	14:55	1	45	0	0	0	0
Breeding	VP5	13/04/2023	19:43	1	5	15	0	0	0
Breeding	VP10	16/06/2023	08:11	1	25	0	0	0	0
Breeding	VP4	06/07/2023	12:15	1	0	35	0	0	0
Breeding	VP5	20/07/2023	16:02	1	20	10	0	0	0
Breeding	VP2	21/07/2023	11:26	1	10	30	0	0	0
Breeding	VP1	09/08/2023	17:12	1	30	0	0	0	0
Breeding	VP8	16/08/2023	16:26	1	15	0	0	0	0
Breeding	VP4	29/09/2023	14:55	1	10	15	0	0	0
Non-breeding	VP4	08/10/2023	14:09	1	5	0	0	0	0
Non-breeding	VP3	06/11/2023	09:45	1	7	0	0	0	0
Non-breeding	VP1	07/11/2023	13:43	1	4	3	0	0	0
Non-breeding	VP4	12/11/2023	10:54	1	7	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP4	12/11/2023	11:03	2	9	0	0	0	0
Non-breeding	VP6	05/12/2023	08:05	1	0	45	0	0	0
Non-breeding	VP9	05/12/2023	12:24	1	12	0	0	0	0
Non-breeding	VP1	11/12/2023	13:45	1	0	0	0	0	0
Non-breeding	VP1	11/12/2023	14:59	1	5	0	0	0	0
Non-breeding	VP7	15/01/2024	11:05	1	20	0	0	0	0
Non-breeding	VP1	25/02/2024	10:55	1	6	4	0	0	0
Non-breeding	VP6	04/03/2024	13:05	1	0	40	0	0	0
Non-breeding	VP5	25/03/2024	09:50	1	10	0	0	0	0
Non-breeding	VP5	25/03/2024	11:03	1	8	0	0	0	0
Non-breeding	VP5	27/03/2024	11:56	1	20	0	0	0	0
Breeding	VP6	09/04/2024	20:20	1	45	0	0	0	0
Breeding	VP9	10/04/2024	19:40	1	45	0	0	0	0
Breeding	VP11	11/04/2024	10:56	1	0	30	0	0	0
Breeding	VP4	20/04/2024	07:10	1	8	0	0	0	0
Breeding	VP5	29/04/2024	11:08	1	15	0	0	0	0
Breeding	VP5	30/04/2024	08:58	1	9	0	0	0	0
Breeding	VP9	15/05/2024	07:11	1	30	0	0	0	0
Breeding	VP2	25/05/2024	17:55	1	8	0	0	0	0
Breeding	VP5	25/06/2024	12:44	1	4	0	0	0	0
Breeding	VP5	25/06/2024	15:29	1	6	0	0	0	0
Breeding	VP1	15/07/2024	11:36	1	5	0	0	0	0
Breeding	VP1	05/08/2024	08:01	1	4	0	0	0	0
Breeding	VP9	07/08/2024	11:32	1	50	0	0	0	0
Breeding	VP3	12/08/2024	15:00	1	2	0	0	0	0
Breeding	VP2	25/08/2024	13:26	1	0	9	0	0	0
Breeding	VP7	05/09/2024	08:55	1	10	20	0	0	0
Breeding	VP7	05/09/2024	13:30	1	15	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP11	05/09/2024	16:02	1	10	30	0	0	0
Breeding	VP8	09/09/2024	11:05	1	10	10	0	0	0
Breeding	VP8	09/09/2024	11:30	1	0	35	0	0	0
Breeding	VP8	09/09/2024	12:05	1	0	30	0	0	0
Breeding	VP1	18/09/2024	10:23	1	11	0	0	0	0
Breeding	VP2	22/09/2024	12:49	2	10	0	0	0	0
Breeding	VP4	24/09/2024	10:01	1	6	0	0	0	0
Breeding	VP4	24/09/2024	11:36	1	7	9	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00925	Breeding	VP1	18/05/2022	08:30	1	FW2	In suitable breeding habitat	H	Possible
P00950	Breeding	VP10	09/06/2022	12:25	1	PB4	Foraging	N/A	N/A
P01864	Non-breeding	VP10	02/02/2023	08:40	1	PB4	Foraging.	N/A	N/A
P01877	Non-breeding	VP10	07/03/2023	12:20	1	PB4	Foraging.	N/A	N/A
P04150	Breeding	VP1	28/09/2023	07:30	1	N/A	Foraging	N/A	N/A
P05861	Non-breeding	VP10	03/10/2023	07:10	1	N/A	Foraging.	N/A	N/A
P05862	Non-breeding	VP10	02/11/2023	09:45	1	N/A	Foraging.	N/A	N/A
P05871	Non-breeding	VP9	05/12/2023	12:25	1	N/A	Resting	N/A	N/A
P05888	Non-breeding	VP10	05/03/2024	07:15	1	N/A	Foraging	N/A	N/A
P06139	Breeding	VP10	07/05/2024	10:50	1	N/A	Foraging	N/A	N/A
P06123	Breeding	VP10	01/07/2024	07:40	2	N/A	Foraging	N/A	N/A
P06128	Breeding	VP10	01/08/2024	07:25	3	N/A	Foraging	N/A	N/A
P06130	Breeding	VP9	06/08/2024	16:40	1	N/A	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P00013	Breeding	N/A	19/05/2021	1	N/A	N/A	N/A
P01089	Breeding	Ref: 4	20/04/2022	1	Flying over lough.	F	Non-Breeding
P01312	Breeding	Rhynmount Bog.	10/05/2022	1	Flying over bog.	F	Non-Breeding
P01334	Breeding	Ref: 4	12/05/2022	1	Flying over.	F	Non-Breeding
P01203	Breeding	VP Number 10	17/05/2022	1	1 heron at edge of river.	H	Possible
P01213	Breeding	VP Number 8	17/05/2022	1	1 heron flying.	H	Possible
P01487	Breeding	Corlea Wetlands	20/06/2022	7	Roosting/foraging around wetland.	N/A	N/A
P01581	Breeding	ref: 8	11/07/2022	1	Roosting around the shoreline.	N/A	N/A
P01603	Breeding	Corlea Wetlands	14/07/2022	1	Foraging around the wetland.	N/A	N/A
P01710	Breeding	Rhynmount Bog.	11/08/2022	1	Foraging around the wetland.	N/A	N/A
P01806	Breeding	Ref No: 4	13/09/2022	1	Foraging in field.	N/A	N/A
P01809	Breeding	Rhynmount Bog.	14/09/2022	1	Foraging around the wetland.	N/A	N/A
P01891	Non-breeding	Rhynmount Bog	12/10/2022	2	Foraging on wetlands.	N/A	N/A
P01920	Non-breeding	Ref No 12	14/10/2022	1	Foraging around reeds.	N/A	N/A
P01925	Non-breeding	Derrycashel Bog	14/10/2022	1	Foraging on open water.	N/A	N/A
P01938	Non-breeding	Lough at Corlea	27/10/2022	1	flying over lough and resting on western part amongst tall planst	N/A	N/A
P01939	Non-breeding	Ballyduff	27/10/2022	2	Standing still but both flushed by myself when walking on path	N/A	N/A
P01943	Non-breeding	iwebs 1234	31/10/2022	1	Flying to far sight and landed but not seen afterwards	N/A	N/A
P02015	Non-breeding	Site 4	06/11/2022	2	One standing on the southside and one	N/A	N/A
P02026	Non-breeding	Near site 4, LeTergullion	06/11/2022	1	Standing in reeds near CU	N/A	N/A
P01965	Non-breeding	Rhynmount Bog	16/11/2022	1	Foraging on wetlands.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01978	Non-breeding	Ref No 12	16/11/2022	1	Foraging around river eadge.	N/A	N/A
P01982	Non-breeding	Derrycashel Bog	16/11/2022	1	Foraging on wetlands.	N/A	N/A
P02003	Non-breeding	Site 23	27/11/2022	1	Standing at edge of canal for most of the time until flying to flooded field where it stood and occasionally walked along edge.	N/A	N/A
P02008	Non-breeding	Site 4	27/11/2022	1	Standing at western edge of turlough	N/A	N/A
P02010	Non-breeding	Corlea Bog Amenity Walk	27/11/2022	1	Standing in water, flew off when walkers became too close	N/A	N/A
P02037	Non-breeding	Ref No 10	07/12/2022	1	Foraging	N/A	N/A
P02058	Non-breeding	Rhynmount Bog	08/12/2022	1	Foraging on wetland.	N/A	N/A
P02112	Non-breeding	Site 4, Turlough at LeTergullion	27/12/2022	1	Solitary beside Lapwings	N/A	N/A
P02117	Non-breeding	Site 4, Turlough at LeTergullion	27/12/2022	1	Standing at SE end	N/A	N/A
P02124	Non-breeding	Newpark, turlough slightly to the east of Turlough Site 4 (same complex)	27/12/2022	1	Standing t edge of water. Moving occassionally	N/A	N/A
P02126	Non-breeding	Corlea Bog Amenity Walk Southside	27/12/2022	1	Standing still at side of water	N/A	N/A
P02212	Non-breeding	Ref No 18	23/01/2023	1	Foraging on flooded field.	N/A	N/A
P02145	Non-breeding	NE of Lisnacusha	29/01/2023	1	Flew in and landed near CU	N/A	N/A
P02156	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	2	Both standing seperatley on northern side	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02169	Non-breeding	Derrymany Bog	29/01/2023	1	N/A	N/A	N/A
P02325	Non-breeding	NE of Lisnacusha	29/01/2023	1	Flew in and landed near CU	N/A	N/A
P02336	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	2	Both standing seperatley on northern side	N/A	N/A
P02349	Non-breeding	Derrymany Bog	29/01/2023	1	N/A	N/A	N/A
P02241	Non-breeding	Ref No 13	10/02/2023	1	Foraging on grass field.	N/A	N/A
P02257	Non-breeding	Ref No 17	10/02/2023	1	Foraging	N/A	N/A
P02300	Non-breeding	East of Site 4, Newpark	25/02/2023	1	Standing in wet field	N/A	N/A
P02371	Non-breeding	East of Site 4, Newpark	25/02/2023	1	Standing in wet field	N/A	N/A
P02450	Non-breeding	Rhynmount Bog VP1	16/03/2023	1	Roosting	N/A	N/A
P02467	Non-breeding	Rhynmount Bog VP3	16/03/2023	1	Foraging	N/A	N/A
P02387	Non-breeding	Derrylough	23/03/2023	1	Flew over and landed beside water	N/A	N/A
P02410	Non-breeding	East of Location 4	24/03/2023	1	Standing beside water	N/A	N/A
P04179	Breeding	Derrycashel Bog	14/04/2023	1	Foraging	N/A	N/A
P04281	Breeding	Corlea lake	27/04/2023	1	heron feeding	H	Possible
P04337	Breeding	Rhynmount VP2	03/05/2023	1	Foraging.	N/A	N/A
P04359	Breeding	Derrycashel Bog	03/05/2023	1	Flyover	F	Non-Breeding
P04425	Breeding	5 KM radius	26/05/2023	1	Heron feeding in wetland area	H	Possible
P04475	Breeding	Onsite	02/06/2023	3	Foraging	N/A	N/A
P04520	Breeding	5 KM radius	09/06/2023	1	Heron feeding in wetland area	H	Possible

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04596	Breeding	Onsite	07/07/2023	3	Foraging	N/A	N/A
P04647	Breeding	01832 63178	19/07/2023	2	2 Herons feeding on Turlogh	N/A	N/A
P04827	Breeding	Rhynmount VP2	28/09/2023	1	Foraging	N/A	N/A
P04829	Breeding	Onsite	29/09/2023	1	Foraging	N/A	N/A
P06439	Non-breeding	4	06/10/2023	2	2 Herons feeding on turlough	N/A	N/A
P06386	Non-breeding	Derrycashel Bog	10/10/2023	1	Foraging	N/A	N/A
P06398	Non-breeding	Rhynmount	11/10/2023	2	Foraging	N/A	N/A
P06399	Non-breeding	Onsite	11/10/2023	2	Foraging	N/A	N/A
P06446	Non-breeding	N/A	14/10/2023	1	Heron on turlough	N/A	N/A
P06450	Non-breeding	4	14/10/2023	5	5 Heron on turlough	N/A	N/A
P06194	Non-breeding	Gortgallan Bog	08/11/2023	1	Roosting	N/A	N/A
P06208	Non-breeding	Ref No: 17	13/11/2023	2	Swimming	N/A	N/A
P06212	Non-breeding	Rhynmount	13/11/2023	1	Foraging	N/A	N/A
P06216	Non-breeding	Onsite	13/11/2023	2	Foraging	N/A	N/A
P06281	Non-breeding	4	20/11/2023	2	2 Heron on Turlough	N/A	N/A
P06297	Non-breeding	4	23/11/2023	2	2 Heron on turlough	N/A	N/A
P06304	Non-breeding	4	23/11/2023	3	3 Heron on turlough	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06312	Non-breeding	N/A	27/11/2023	2	2 Herons at lake edge	N/A	N/A
P06325	Non-breeding	4	27/11/2023	3	3 Heron on turlough	N/A	N/A
P06490	Non-breeding	Onsite	08/12/2023	1	Foraging	N/A	N/A
P06508	Non-breeding	Gortgallan Bog	11/12/2023	1	Foraging	N/A	N/A
P06638	Non-breeding	Southern half of site	02/01/2024	1	N/A	N/A	N/A
P06601	Non-breeding	Ref No: 8	05/01/2024	1	N/A	N/A	N/A
P06606	Non-breeding	Gortgallan Bog	05/01/2024	1	N/A	N/A	N/A
P06633	Non-breeding	Onsite	12/01/2024	1	N/A	N/A	N/A
P06657	Non-breeding	Southern half of site	25/01/2024	1	N/A	N/A	N/A
P06695	Non-breeding	Ref No: 12	06/02/2024	1	N/A	N/A	N/A
P06710	Non-breeding	Rhynmount	14/02/2024	1	N/A	N/A	N/A
P06724	Non-breeding	Southern half of site	19/02/2024	2	Heron at edge of wetland	N/A	N/A
P04942	Breeding	Ref No:2	08/04/2024	1	Foraging	N/A	N/A
P04948	Breeding	Ref No:6	08/04/2024	1	Foraging	N/A	N/A
P04960	Breeding	Ref No:12	15/04/2024	1	Foraging	N/A	N/A
P05096	Breeding	Ref No:1	10/05/2024	1	Foraging	N/A	N/A
P05115	Breeding	Ref No:9	13/05/2024	1	Foraging	N/A	N/A
P05117	Breeding	Ref No:11	13/05/2024	2	Foraging	N/A	N/A
P05127	Breeding	Ref No:12	13/05/2024	1	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05286	Breeding	Ref No:1	07/06/2024	2	Flight/ Alarm Call display, on suitable breeding ground	A	Probable
P05296	Breeding	Ref No:6	07/06/2024	1	Foraging	N/A	N/A
P05300	Breeding	Ref No:8	07/06/2024	1	Foraging	N/A	N/A
P05315	Breeding	Ref No:12	11/06/2024	1	Foraging	N/A	N/A
P05342	Breeding	N/A	17/06/2024	2	2 Herons foraging on wetland.	N/A	N/A
P05456	Breeding	Ref No:1	03/07/2024	1	Foraging	N/A	N/A
P05460	Breeding	Ref No:2	03/07/2024	1	Foraging	N/A	N/A
P05467	Breeding	Ref No:5	03/07/2024	2	Foraging	N/A	N/A
P05474	Breeding	Ref No:9	05/07/2024	1	Foraging	N/A	N/A
P05477	Breeding	Ref No:10	05/07/2024	1	Foraging	N/A	N/A
P05480	Breeding	Ref No:11	05/07/2024	3	Foraging	N/A	N/A
P05487	Breeding	Ref No:12	05/07/2024	2	Foraging	N/A	N/A
P05537	Breeding	2km buffer	29/07/2024	1	Heron took flight from wetland	N/A	N/A
P05597	Breeding	Ref No:1	08/08/2024	1	Foraging	N/A	N/A
P05603	Breeding	Ref No:3	08/08/2024	1	Foraging	N/A	N/A
P05607	Breeding	Ref No:5	08/08/2024	2	Foraging	N/A	N/A
P05610	Breeding	Ref No:7	08/08/2024	1	Foraging	N/A	N/A
P05613	Breeding	Ref No:8	08/08/2024	1	Foraging	N/A	N/A
P05615	Breeding	Ref No:9	09/08/2024	1	Roosting.	N/A	N/A
P05621	Breeding	Ref No:11	09/08/2024	3	Foraging	N/A	N/A
P05627	Breeding	Ref No:12	09/08/2024	2	Foraging	N/A	N/A
P05666	Breeding	2 Km buffer	20/08/2024	1	Heron took flight from wetland	N/A	N/A
P05674	Breeding	2 Km buffer	20/08/2024	2	2 Herons took flight from wetland	N/A	N/A
P05692	Breeding	2 km buffer	21/08/2024	1	Heron took flight from wetland	N/A	N/A
P05699	Breeding	2 km buffer	27/08/2024	1	Heron on wetland	N/A	N/A
P05753	Breeding	Ref No:1	02/09/2024	1	Foraging	N/A	N/A
P05761	Breeding	Ref No:5	02/09/2024	1	Foraging	N/A	N/A
P05763	Breeding	Ref No:6	02/09/2024	1	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05770	Breeding	Ref No:9	06/09/2024	1	Foraging	N/A	N/A
P05787	Breeding	Ref No:12	06/09/2024	3	Foraging	N/A	N/A
P05852	Breeding	2km buffer	16/09/2024	2	2 Herons took flight from wetland	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00079	Breeding	T9	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00081	Breeding	T9	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00082	Breeding	T9	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00093	Breeding	T10	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00164	Breeding	T4	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00179	Breeding	T9	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00194	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00219	Breeding	T13	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00237	Breeding	T20	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00241	Breeding	T20	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P01162	Breeding	T5	13/04/2022	10:08	1	pb4	h	H	Possible
P01061	Breeding	T10	22/04/2022	N/A	1	PB4	Flying over.	F	Non-Breeding
P01232	Breeding	T13	10/05/2022	N/A	1	PB4	Flying over	F	Non-Breeding
P01248	Breeding	T11	12/05/2022	N/A	1	PB4	Foraging.	N/A	N/A
P01189	Breeding	T4	17/05/2022	08:27	2	pb4	F	F	Non-Breeding
P01412	Breeding	T11	10/06/2022	N/A	1	PB4	Foraging.	N/A	N/A
P01422	Breeding	T10	14/06/2022	N/A	4	PB4	Foraging.	N/A	N/A
P01528	Breeding	T12	07/07/2022	N/A	2	PB4	Flying over	F	Non-Breeding
P01624	Breeding	T4	08/07/2022	N/A	3	pb4	N/A	F	Non-Breeding
P01530	Breeding	T10	11/07/2022	N/A	1	PB4	Flushed	N/A	N/A
P01540	Breeding	T10	11/07/2022	N/A	2	PB4	Flushed	N/A	N/A
P01560	Breeding	T7	14/07/2022	N/A	1	PB4	Foraging	N/A	N/A
P01654	Breeding	T16	08/08/2022	N/A	1	PB4	Foraging	N/A	N/A
P01659	Breeding	T11	09/08/2022	N/A	2	PB4	Foraging	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01669	Breeding	T10	10/08/2022	N/A	1	PB4	Foraging	N/A	N/A
P01638	Breeding	T4	24/08/2022	N/A	1	pb4	N/A	N/A	N/A
P01640	Breeding	T5	24/08/2022	N/A	1	pb4	N/A	N/A	N/A
P01745	Breeding	T19	05/09/2022	N/A	1	PB4	Foraging	N/A	N/A
P01750	Breeding	T13	08/09/2022	N/A	1	PB4	Foraging	N/A	N/A
P01755	Breeding	T11	12/09/2022	N/A	1	PB4	Foraging	N/A	N/A
P01771	Breeding	T10	13/09/2022	N/A	1	PB4	Foraging	N/A	N/A
P02565	Non-breeding	T19	04/10/2022	13:45	1	PB4	Foraging	N/A	N/A
P02634	Non-breeding	T13	06/10/2022	11:30	2	PB4	Foraging	N/A	N/A
P03029	Non-breeding	T17	08/12/2022	08:20	1	PB4	Flyover	N/A	N/A
P03055	Non-breeding	T20	08/12/2022	10:10	1	PB4	Flyover	N/A	N/A
P03506	Non-breeding	T19	09/02/2023	09:55	1	PB4	Foraging	N/A	N/A
P03704	Non-breeding	T3	12/03/2023	N/A	1	FW2	On Ground	N/A	N/A
P04234	Breeding	T10	06/04/2023	13:00	1	PB4	N/A	F	Non-Breeding
P04250	Breeding	T11	13/04/2023	16:42	1	PB4	N/A	H	Possible
P04311	Breeding	T5	24/05/2023	09:45	5	PB4	N/A	N/A	N/A
P04394	Breeding	T11	25/05/2023	08:35	1	PB4	N/A	H	Possible
P04447	Breeding	T6	08/06/2023	13:45	1	PB4	N/A	F	Non-Breeding
P04456	Breeding	T4	21/06/2023	15:30	1	PB4	N/A	N/A	N/A
P04465	Breeding	T5	21/06/2023	17:35	1	PB4	N/A	N/A	N/A
P04549	Breeding	T10	26/06/2023	16:24	1	PB4	N/A	H	Possible
P04557	Breeding	T11	28/06/2023	09:30	1	PB4	N/A	H	Possible
P04579	Breeding	T4	05/07/2023	12:45	1	PB4	N/A	N/A	N/A
P04587	Breeding	T5	05/07/2023	14:05	1	PB4	N/A	N/A	N/A
P04637	Breeding	T12	12/07/2023	15:25	1	PB4	N/A	N/A	N/A
P04665	Breeding	T11	25/07/2023	08:20	1	PB4	N/A	N/A	N/A
P04681	Breeding	T18	31/07/2023	09:20	1	PB4	N/A	N/A	N/A
P04697	Breeding	T4	02/08/2023	11:30	1	PB4	N/A	N/A	N/A
P04759	Breeding	T10	11/08/2023	12:28	1	PB4	N/A	N/A	N/A
P04764	Breeding	T12	15/08/2023	16:38	1	PB4	N/A	N/A	N/A
P04777	Breeding	T17	18/08/2023	13:25	1	PB4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04856	Breeding	T11	20/09/2023	09:25	1	PB4	N/A	N/A	N/A
P04861	Breeding	T12	20/09/2023	10:48	1	PB4	N/A	N/A	N/A
P04865	Breeding	T17	20/09/2023	17:30	1	pb4	N/A	N/A	N/A
P04796	Breeding	T5	25/09/2023	12:00	11	PB4	N/A	N/A	N/A
P06352	Non-breeding	T20	03/10/2023	10:20	1	PB4	Foraging	N/A	N/A
P06410	Non-breeding	T17	12/10/2023	12:00	1	PB4	Feeding	N/A	N/A
P06413	Non-breeding	T18	13/10/2023	09:23	1	PB4	Forage	N/A	N/A
P06419	Non-breeding	T11	13/10/2023	14:20	1	PB4	Feeding	N/A	N/A
P06426	Non-breeding	T5	19/10/2023	09:00	1	PB4	Foraging	N/A	N/A
P06427	Non-breeding	T5	19/10/2023	09:03	1	PB4	Foraging	N/A	N/A
P06158	Non-breeding	T21	02/11/2023	13:00	1	PB4	Foraging	N/A	N/A
P06179	Non-breeding	T7	09/11/2023	13:55	2	PB4	Flushed by PE.	N/A	N/A
P06241	Non-breeding	T17	21/11/2023	13:18	1	PB4	Feeding	N/A	N/A
P06475	Non-breeding	T19	05/12/2023	15:00	1	PB4	Foraging	N/A	N/A
P06482	Non-breeding	T7	07/12/2023	12:05	1	PB4	Foraging	N/A	N/A
P06545	Non-breeding	T5	22/12/2023	09:22	1	PB4	Foraging	N/A	N/A
P05937	Non-breeding	T11	10/01/2024	09:20	1	PB4	N/A	N/A	N/A
P05913	Non-breeding	T1	12/01/2024	15:20	1	PB4	N/A	N/A	N/A
P06076	Non-breeding	T10	06/03/2024	10:01	1	PB4	N/A	N/A	N/A
P04891	Breeding	T20	02/04/2024	16:35	1	PB4	Foraging	N/A	N/A
P05017	Breeding	Transect 15	09/04/2024	16:09	1	fw4	N/A	P	Probable
P05054	Breeding	T20	07/05/2024	09:40	1	PB4	N/A	N/A	N/A
P05081	Breeding	T5	10/05/2024	10:15	3	PB4	N/A	N/A	N/A
P05147	Breeding	T11	11/05/2024	16:09	1	pb4	N/A	N/A	N/A
P05188	Breeding	T18	15/05/2024	17:56	1	PB4	N/A	N/A	N/A
P05205	Breeding	T10	16/05/2024	10:35	1	PB4	N/A	N/A	N/A
P05249	Breeding	T20	05/06/2024	12:30	1	PB4	N/A	N/A	N/A
P05254	Breeding	T19	06/06/2024	14:35	1	PB5	N/A	N/A	N/A
P05277	Breeding	T5	11/06/2024	11:10	1	PB4	N/A	N/A	N/A
P05356	Breeding	T18	19/06/2024	10:15	1	PB4	N/A	N/A	N/A
P05367	Breeding	T15	20/06/2024	14:42	1	pb4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05386	Breeding	T10	25/06/2024	11:35	11	PB4	N/A	H	Possible
P05405	Breeding	T7	25/06/2024	16:20	1	PB4	N/A	N/A	N/A
P05421	Breeding	T20	01/07/2024	12:10	4	PB4	N/A	N/A	N/A
P05425	Breeding	T20	01/07/2024	12:45	1	PB4	N/A	N/A	N/A
P05439	Breeding	T4	05/07/2024	07:55	1	PB4	N/A	N/A	N/A
P05446	Breeding	T5	05/07/2024	10:35	3	PB4	N/A	N/A	N/A
P05492	Breeding	T10	22/07/2024	15:39	2	PB4	N/A	N/A	N/A
P05505	Breeding	T17	23/07/2024	11:38	1	PB4	N/A	N/A	N/A
P05568	Breeding	T20	01/08/2024	11:30	1	PB4	N/A	N/A	N/A
P05635	Breeding	T13	06/08/2024	15:46	1	PB4	N/A	N/A	N/A
P05637	Breeding	T10	07/08/2024	13:45	4	PB4	N/A	N/A	N/A
P05581	Breeding	T4	09/08/2024	07:40	1	PB4	N/A	N/A	N/A
P05586	Breeding	T5	09/08/2024	09:35	1	PB4	N/A	N/A	N/A
P05654	Breeding	T12	19/08/2024	13:56	1	PB4	N/A	N/A	N/A
P05679	Breeding	T7	20/08/2024	13:05	1	PB4	N/A	N/A	N/A
P05681	Breeding	T7	20/08/2024	13:29	1	PB4	N/A	N/A	N/A
P05686	Breeding	T17	20/08/2024	15:08	1	PB4	N/A	N/A	N/A
P05717	Breeding	T21	04/09/2024	10:10	2	PB4	N/A	N/A	N/A
P05818	Breeding	T10	04/09/2024	16:42	1	PB4	N/A	N/A	N/A
P05727	Breeding	T6	05/09/2024	11:05	1	PB4	N/A	N/A	N/A
P05820	Breeding	T18	05/09/2024	09:38	1	PB4	N/A	N/A	N/A
P05743	Breeding	T5	06/09/2024	09:55	1	PB4	N/A	N/A	N/A
P05834	Breeding	T7	12/09/2024	15:59	1	pb4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00271	Breeding	HHVP7	12/05/2021	1	N/A	N/A
P00307	Breeding	HHVP15	13/05/2021	1	N/A	N/A
P00313	Breeding	HHVP21	14/05/2021	1	N/A	N/A
P00375	Breeding	HHVP16	11/06/2021	1	N/A	N/A
P00316	Breeding	HHVP2	12/06/2021	1	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00322	Breeding	HHVP4	12/06/2021	9	N/A	N/A
P00389	Breeding	HHVP4	17/07/2021	7	N/A	N/A
P00411	Breeding	HHVP8	17/07/2021	3	N/A	N/A
P00425	Breeding	HHVP9	17/07/2021	1	N/A	N/A
P00428	Breeding	HHVP10	17/07/2021	1	N/A	N/A
P00440	Breeding	HHVP1	05/08/2021	1	N/A	N/A
P00446	Breeding	HHVP4	05/08/2021	2	N/A	N/A
P00499	Breeding	HHVP4	14/08/2021	1	N/A	N/A
P00544	Breeding	HHVP11	14/08/2021	1	N/A	N/A
P00559	Breeding	HHVP2	09/09/2021	1	N/A	N/A
P00563	Breeding	HHVP4	09/09/2021	2	N/A	N/A
P00572	Breeding	HHVP5	09/09/2021	2	N/A	N/A
P00578	Breeding	HHVP7	09/09/2021	1	N/A	N/A
P00589	Breeding	HHVP8	09/09/2021	1	N/A	N/A
P00594	Breeding	HHVP9	09/09/2021	1	N/A	N/A
P00608	Breeding	HHVP12	09/09/2021	1	N/A	N/A
P00614	Breeding	HHVP16	09/09/2021	1	N/A	N/A
P00617	Breeding	HHVP19	09/09/2021	1	N/A	N/A
P00622	Breeding	HHVP2	30/09/2021	1	N/A	N/A
P00634	Breeding	HHVP5	30/09/2021	1	N/A	N/A
P00639	Breeding	HHVP7	30/09/2021	1	N/A	N/A
P00651	Breeding	HHVP8	30/09/2021	1	N/A	N/A
P00654	Breeding	HHVP9	30/09/2021	2	N/A	N/A
P00665	Breeding	HHVP11	30/09/2021	1	N/A	N/A
P00668	Breeding	HHVP12	30/09/2021	1	N/A	N/A
P00674	Breeding	HHVP21	30/09/2021	1	N/A	N/A
P00680	Non-breeding	HHVP4	26/10/2021	1	N/A	N/A
P00699	Non-breeding	HHVP8	26/10/2021	1	N/A	N/A
P00711	Non-breeding	HHVP11	28/10/2021	2	N/A	N/A
P00714	Non-breeding	HHVP13	28/10/2021	1	N/A	N/A
P00718	Non-breeding	HHVP17	28/10/2021	1	N/A	N/A
P00720	Non-breeding	HHVP20	29/10/2021	1	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00721	Non-breeding	HHVP21	29/10/2021	1	N/A	N/A
P00722	Non-breeding	HHVP24	29/10/2021	1	N/A	N/A
P00726	Non-breeding	HHVP4	24/11/2021	2	N/A	N/A
P00750	Non-breeding	HHVP12	24/11/2021	1	N/A	N/A
P00759	Non-breeding	HHVP11	24/11/2021	3	N/A	N/A
P00787	Non-breeding	HHVP11	25/01/2022	1	N/A	N/A
P00802	Non-breeding	HHVP5	28/02/2022	1	N/A	N/A
P00803	Non-breeding	HHVP6	28/02/2022	2	N/A	N/A
P00813	Non-breeding	HHVP10	28/02/2022	1	N/A	N/A
P00817	Non-breeding	HHVP12	28/02/2022	1	N/A	N/A
P00818	Non-breeding	HHVP13	28/02/2022	NA	N/A	N/A
P00829	Non-breeding	HHVP5	29/03/2022	1	N/A	N/A
P00844	Non-breeding	HHVP9	29/03/2022	1	N/A	N/A
P00848	Non-breeding	HHVP10	29/03/2022	1	N/A	N/A
P00852	Non-breeding	HHVP16	29/03/2022	1	N/A	N/A

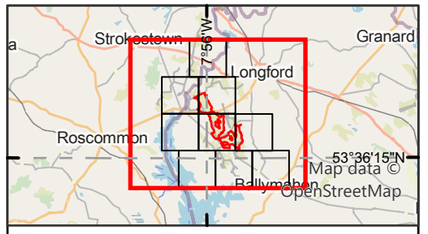
Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P03963	Non-breeding	14/10/2022	3	N/A	N/A
P03985	Non-breeding	06/12/2022	1	N/A	N/A
P04023	Non-breeding	20/01/2023	1	N/A	N/A

8°2'40"W
7°53'50"W
7°45'0"W
53°45'0"N
53°40'0"N
53°35'0"N
776000
768000
760000
593600
604000
614400

Strokestown Golf Club
Townparks (Longford By)
Enybegs
Ballytoohey
Termonbarry
Cloongara
Cloonrollagh
Cloonbalt
Longford
Feraghfad
Stonepark (Ardagh By)
Cloontuskert
Ballyleague
Knock
Keenagh
Fearagh
Knockcroghery
Galey
Lough Ree
Derrymacar Lough
Drinan
Ballymahon

R371
R194
R397
R393
R392
N5
N63
N55

Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8



Legend

- Proposed wind farm site boundary
- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

0 1.5 3
Kilometres

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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Grey Heron
Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Map Ref: 11399-032.ApX-SUM-H.-TOB-A

Draft: A

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7°53'50"W

53°45'0"N

604000

776000

Ballytoohey

Termonbarry

Cloondara

L1462

P00714, P00818

P02241

P01978, P06695

P01920

P00608, P00668, P00750, P00817

P01925, P01982

P04179, P04359, P06386

P00544, P00665, P00711, P00759, P00787

P00307

P00375, P00614, P00852

P02257

P06208

P00720

P02212

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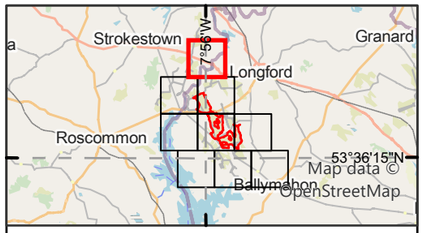

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23

0 0.5 1
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Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Grey Heron
Sheet 1 of 8

Scale @ A3: 1:22,000

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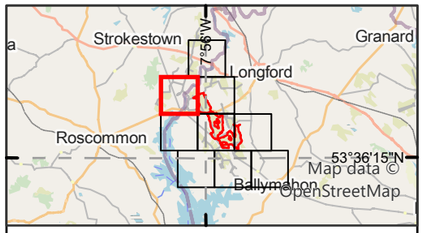
8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

0 0.5 1
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Title: Flight and non-flight observations
Grey Heron
Sheet 2 of 8

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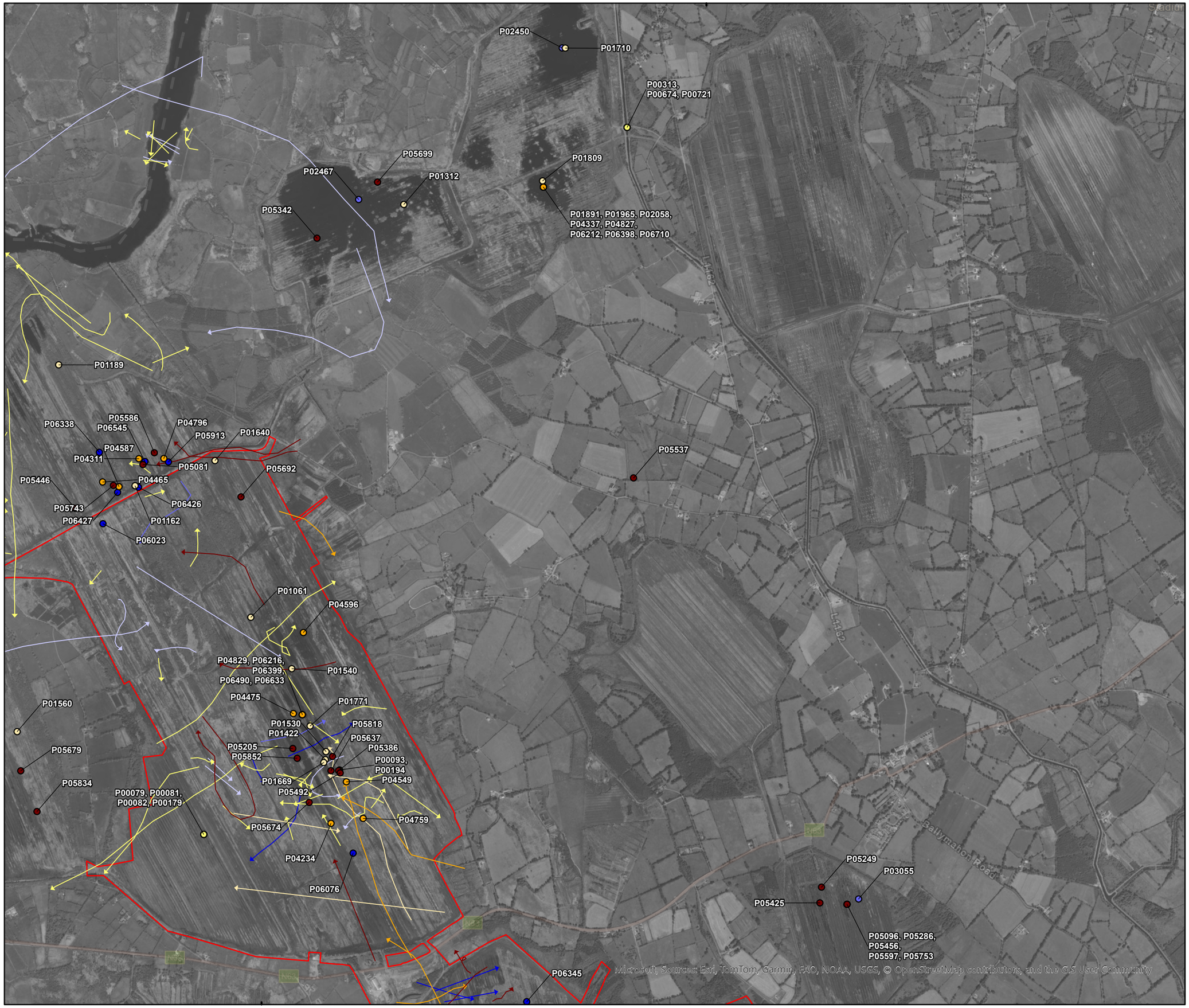
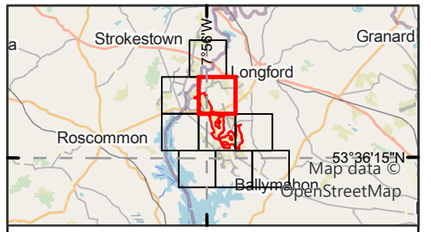
Draft: A

7°53'50"W





Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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Grey Heron
Sheet 3 of 8

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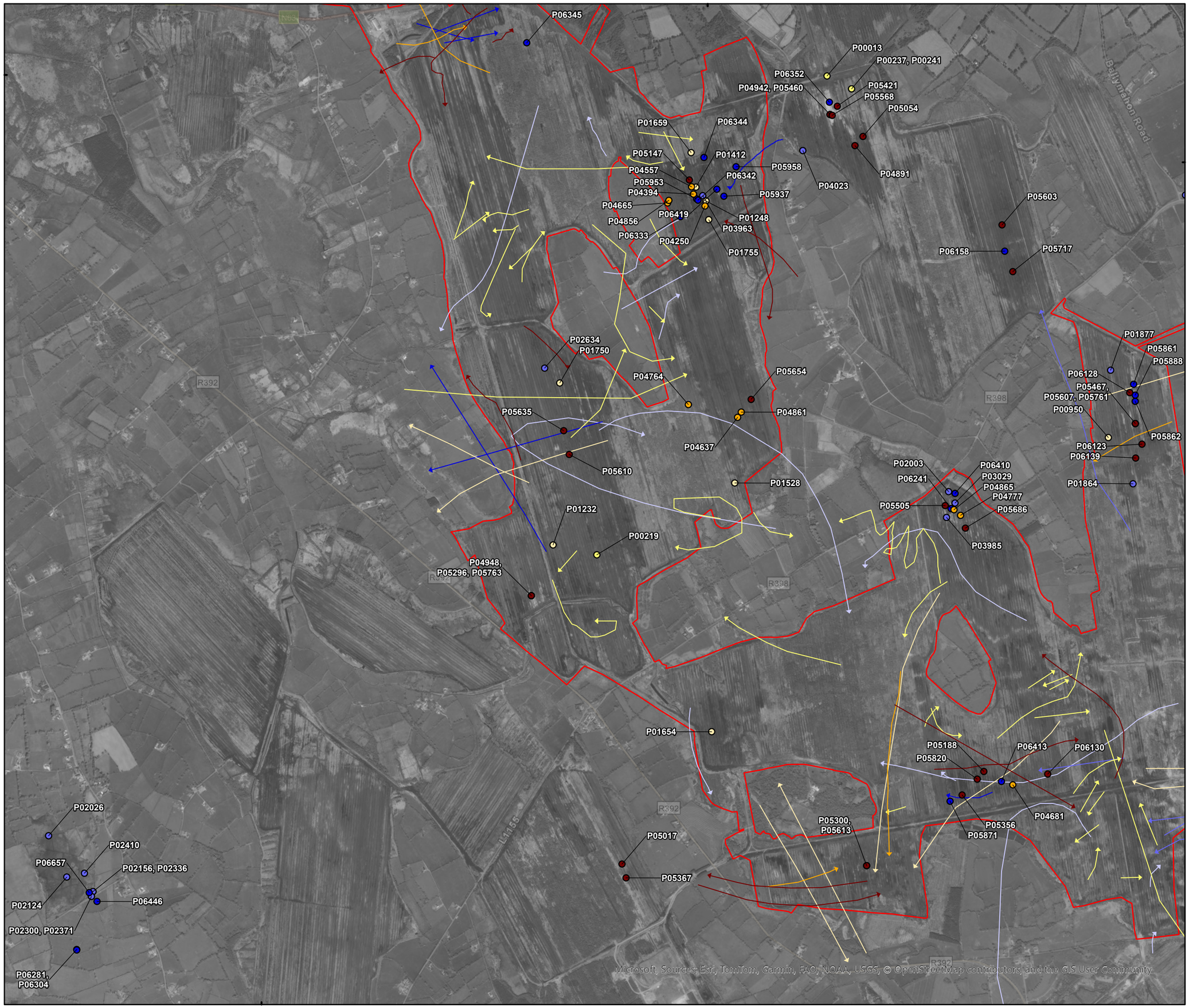
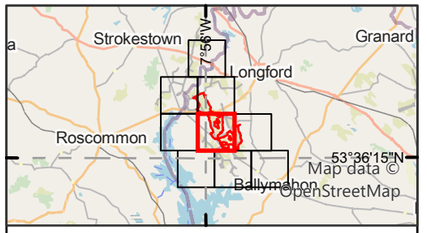
7°53'50"W

53°40'0"N

768000

604000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

0 0.5 1
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Project: Derryadd Wind Farm

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Grey Heron
Sheet 4 of 8

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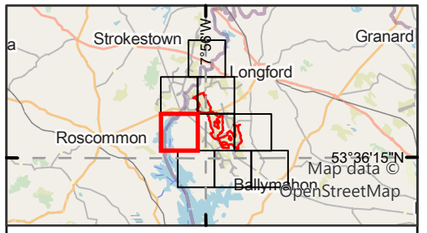
8°2'40"W

53°40'0"N

768000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

0 0.5 1
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Title: Flight and non-flight observations
Grey Heron
Sheet 5 of 8

Scale @ A3: 1:22,000

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7°53'50"W

53°35'0"N

760000

P03506
P02010
P06724
P02126
P01603
P06638
P04281
P01487
P01938
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P02169, P02349
P02387
P05477
P05115, P05474, P05615, P05770
P00316, P00559, P00622

R392
L5236
Estate Road
Fas Road
Derrymacar Lough

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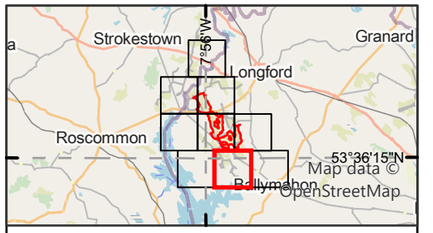

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Breeding-22

0 0.5 1
Kilometres

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Grey Heron
Sheet 6 of 8

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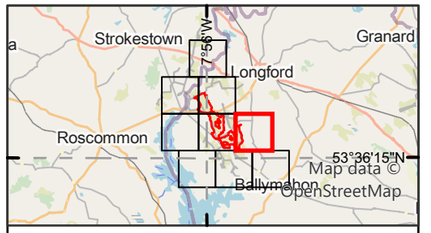

Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

0 0.5 1
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A	16/04/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Grey Heron
Sheet 7 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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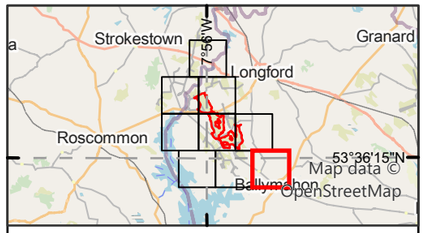
Map Ref: 11399-032.ApX-SUM-H.-TOB-A

Draft: A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

Breeding-21

0 0.5 1
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A	16/04/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Grey Heron
Sheet 8 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Draft: A

Appendix 8.3gg GREYLAG GOOSE

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP10	27/12/2021	12:25	6	0	0	27	0	0
Non-breeding	VP10	04/11/2022	14:20	2	0	0	55	0	0

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01329	Breeding	Ref: 5	12/05/2022	2	Foraging on island.	N/A	N/A
P02237	Non-breeding	Ref No 5	03/02/2023	31	Roosting on island.	N/A	N/A
P02440	Non-breeding	Ref No 5	03/03/2023	5	Roosting on island.	N/A	N/A
P06214	Non-breeding	Grass field	13/11/2023	4	Foraging	N/A	N/A
P06493	Non-breeding	Grass field 2	08/12/2023	1	Foraging	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04807	Breeding	T6	29/09/2023	11:30	3	PB4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00259	Breeding	HHVP5	12/05/2021	2	N/A	N/A

8°2'40"W

7°53'50"W

53°40'0"N

53°35'0"N

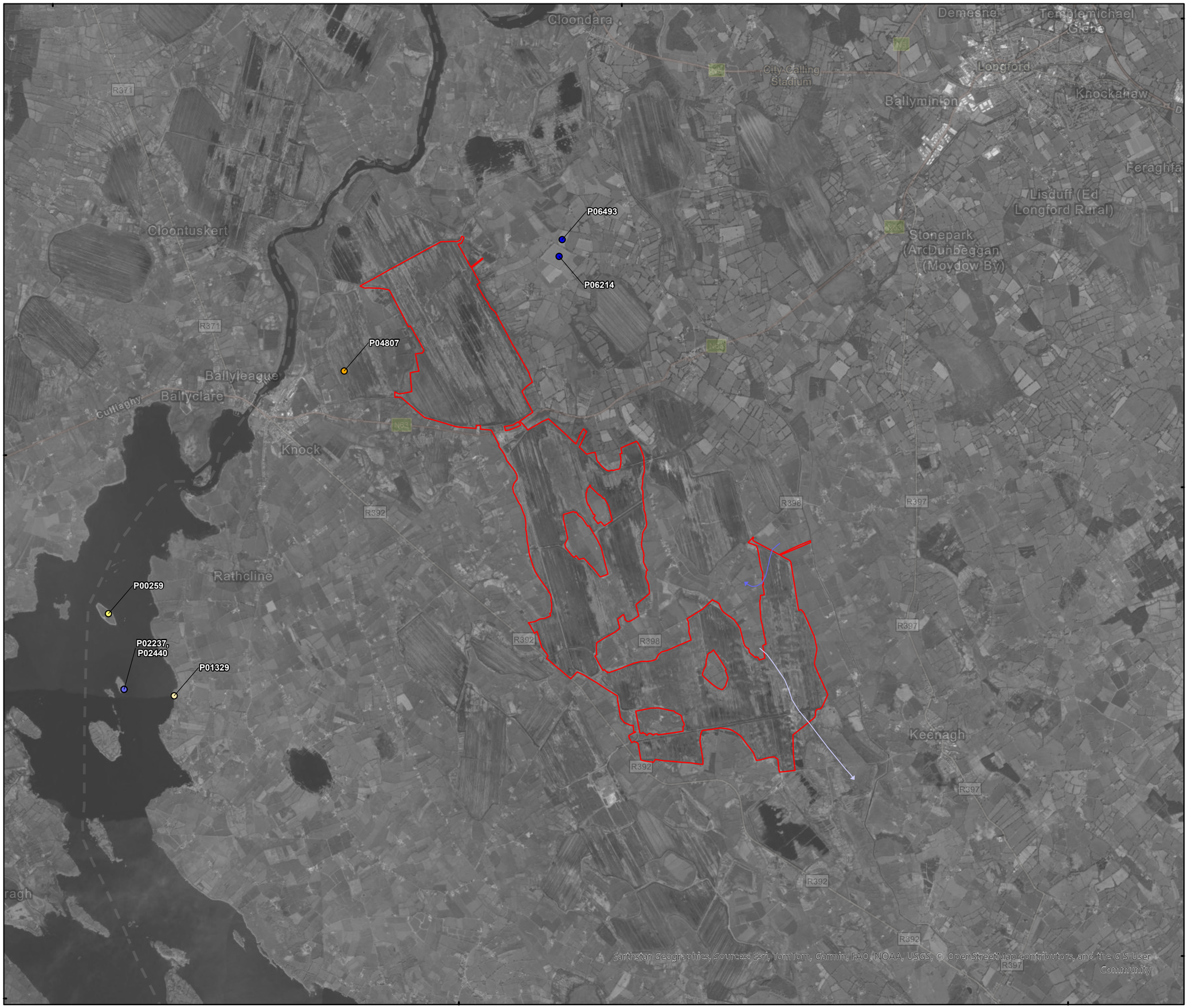
604000

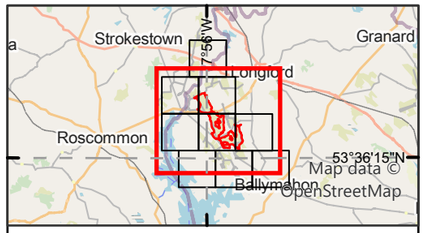
614400

776000

768000

760000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23

0 1 2
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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Greylag Goose
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
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Draft: A

Appendix 8.3hh HEN HARRIER

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP5	26/11/2021	09:23	1	72	0	0	0	0
Non-breeding	VP5	26/11/2021	09:34	1	23	0	0	0	0
Non-breeding	VP7	15/12/2021	13:30	1	500	100	0	0	0
Non-breeding	VP6	16/12/2021	10:47	1	7	0	0	0	0
Non-breeding	VP11	28/12/2021	11:47	1	10	0	0	0	0
Non-breeding	VP8	11/01/2022	13:24	1	0	0	13	0	0
Non-breeding	VP10	17/01/2022	11:08	1	62	7	9	0	0
Non-breeding	VP10	17/01/2022	11:53	1	69	9	0	0	0
Non-breeding	VP2	03/02/2022	11:25	1	30	0	0	0	0
Non-breeding	VP3	16/03/2022	11:28	1	10	10	0	0	0
Non-breeding	VP6	16/03/2022	11:35	1	0	0	49	0	0
Breeding	VP4	06/04/2023	15:40	1	45	0	0	0	0
Non-breeding	VP6	07/02/2024	11:35	1	75	0	0	0	0
Non-breeding	VP6	07/02/2024	11:55	1	35	0	0	0	0
Non-breeding	VP6	07/02/2024	14:05	1	210	65	65	0	0
Non-breeding	VP4	15/03/2024	10:17	1	5	0	0	0	0
Non-breeding	VP4	15/03/2024	10:50	1	104	0	0	0	0
Non-breeding	VP5	25/03/2024	10:25	1	18	0	0	0	0
Non-breeding	VP5	25/03/2024	11:31	1	5	0	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05881	Non-breeding	VP6	07/02/2024	11:35	1	N/A	Perched	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02061	Non-breeding	Rhynmount Bog	08/12/2022	1	Adult male hunting around bog	N/A	N/A
P02251	Non-breeding	Derrycashel Bog	10/02/2023	1	Hunting on Bog. Male	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P06060	Non-breeding	T12	05/03/2024	12:23	1	PB4	N/A	N/A	N/A

7°53'50"W

53°40'0"N

604000

614400

768000

P02061

P06060

P05881

Ballyminion

Farnagh

Lisduff (E
Longford Ru

Cloontuskert

Stonepark
(Ard Dunbeggan
(Moydow By)

Ballyleague

Ballyclare

Culliaghy

Knock

Rathcline

Keenagh

R371

R392

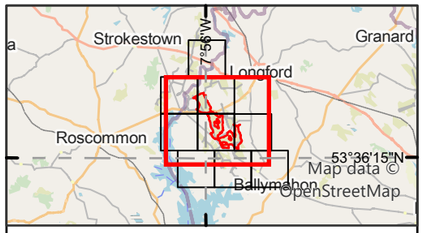
R397

R398

N63

N4

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



Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-23/24
- Breeding-23

0 1 2
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A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Hen Harrier
Sheet 1 of 1

Scale @ A3: 1:50,000

Prepared by:	Checked by:	Date:
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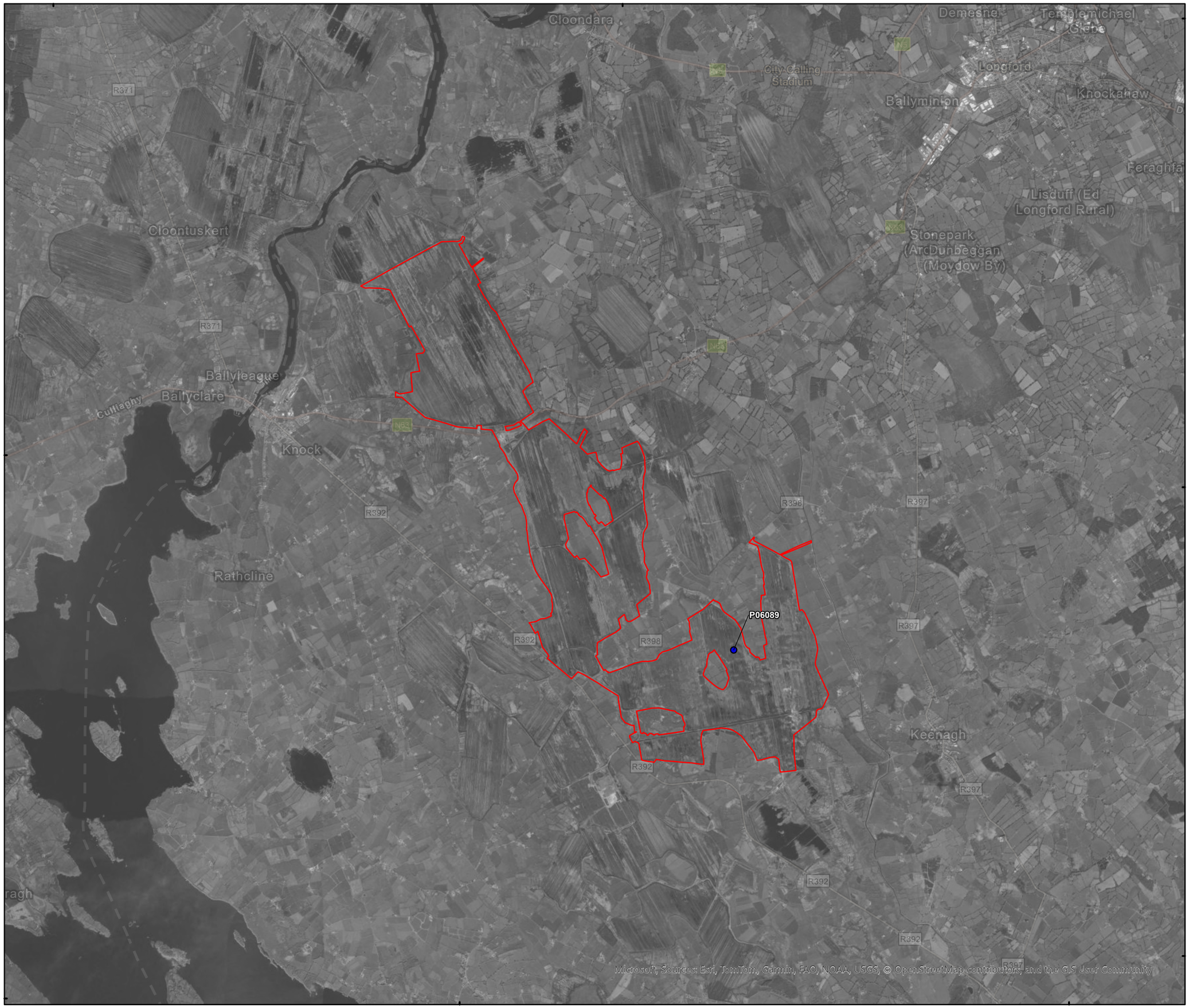
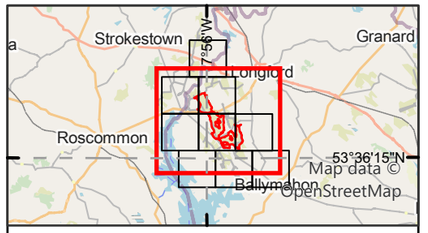
Appendix 8.3ii JACK SNIPE

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P06089	Non-breeding	T17	06/03/2024	16:18	1	PB4	N/A	N/A	N/A

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
604000
614400
776000
768000
760000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

Non-breeding-23/24

0 1 2
Kilometres

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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Jack Snipe
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
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Draft: A

Appendix 8.3jj LESSER BLACK-BACKED GULL

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP3	04/05/2021	08:54	12	0	183	0	0	0
Breeding	VP3	04/05/2021	17:15	11	113	59	0	0	0
Breeding	VP4	05/05/2021	08:44	11	0	0	163	0	0
Breeding	VP4	05/05/2021	10:23	8	15	0	0	0	0
Breeding	VP4	05/05/2021	13:06	6	0	45	0	0	0
Breeding	VP4	05/05/2021	13:19	1	0	0	61	0	0
Breeding	VP4	05/05/2021	14:44	3	0	0	124	0	0
Breeding	VP1	06/05/2021	16:17	12	0	0	169	0	0
Breeding	VP5	06/05/2021	09:16	11	6	15	104	0	0
Breeding	VP6	07/05/2021	11:35	74	0	0	345	0	0
Breeding	VP6	07/05/2021	14:13	6	0	0	67	0	0
Breeding	VP6	07/05/2021	14:50	3	0	124	0	0	0
Breeding	VP7	07/05/2021	17:49	3	8	55	0	0	0
Breeding	VP7	07/05/2021	19:44	4	37	0	0	0	0
Breeding	VP7	11/05/2021	14:12	3	0	45	0	0	0
Breeding	VP7	11/05/2021	14:30	6	0	33	0	0	0
Breeding	VP7	11/05/2021	14:58	2	0	103	0	0	0
Breeding	VP7	11/05/2021	15:11	72	0	141	0	0	0
Breeding	VP7	11/05/2021	15:23	6	73	0	0	0	0
Breeding	VP7	11/05/2021	15:44	4	0	44	0	0	0
Breeding	VP8	11/05/2021	17:13	7	0	187	0	0	0
Breeding	VP8	11/05/2021	18:08	8	0	0	610	0	0
Breeding	VP8	11/05/2021	18:20	15	86	98	0	0	0
Breeding	VP8	11/05/2021	19:22	6	24	0	0	0	0
Breeding	VP8	11/05/2021	19:53	12	0	0	0	0	106
Breeding	VP8	19/05/2021	10:54	12	0	0	124	0	0
Breeding	VP8	19/05/2021	11:45	7	23	0	0	0	0
Breeding	VP8	19/05/2021	13:02	6	0	84	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP8	19/05/2021	13:16	1	11	51	0	0	0
Breeding	VP9	21/05/2021	09:23	1	48	0	0	0	0
Breeding	VP9	21/05/2021	09:35	1	0	0	72	0	0
Breeding	VP9	21/05/2021	09:44	1	6	18	0	0	0
Breeding	VP9	21/05/2021	10:30	8	0	0	189	0	0
Breeding	VP9	21/05/2021	11:12	11	0	74	0	0	0
Breeding	VP9	21/05/2021	12:06	4	0	53	0	0	0
Breeding	VP9	21/05/2021	12:10	1	40	0	0	0	0
Breeding	VP9	22/05/2021	11:15	3	0	83	0	0	0
Breeding	VP9	22/05/2021	11:42	3	0	98	89	0	0
Breeding	VP9	22/05/2021	12:07	4	44	0	0	0	0
Breeding	VP9	22/05/2021	12:21	1	60	0	0	0	0
Breeding	VP10	22/05/2021	14:23	3	8	79	0	0	0
Breeding	VP10	22/05/2021	14:48	1	0	72	0	0	0
Breeding	VP10	22/05/2021	15:17	7	64	0	0	0	0
Breeding	VP10	22/05/2021	15:24	3	0	103	0	0	0
Breeding	VP10	22/05/2021	15:59	4	0	0	173	0	0
Breeding	VP10	22/05/2021	16:32	1	0	21	0	0	0
Breeding	VP10	27/05/2021	11:29	17	0	0	0	0	108
Breeding	VP10	27/05/2021	12:49	1	0	77	0	0	0
Breeding	VP10	27/05/2021	13:16	3	0	0	110	0	0
Breeding	VP11	28/05/2021	13:10	6	0	45	0	0	0
Breeding	VP11	28/05/2021	13:41	8	0	74	0	0	0
Breeding	VP11	28/05/2021	13:55	16	15	42	135	0	0
Breeding	VP11	28/05/2021	14:09	3	0	33	0	0	0
Breeding	VP11	28/05/2021	14:40	1	0	87	0	0	0
Breeding	VP11	28/05/2021	15:03	3	0	0	101	0	0
Breeding	VP11	28/05/2021	15:29	2	0	44	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP11	28/05/2021	16:40	4	0	82	0	0	0
Breeding	VP11	28/05/2021	16:51	3	0	0	96	0	0
Breeding	VP11	28/05/2021	17:08	8	0	0	109	0	0
Breeding	VP11	28/05/2021	17:16	11	0	0	77	0	0
Breeding	VP11	28/05/2021	17:29	1	0	0	122	0	0
Breeding	VP11	28/05/2021	18:23	4	0	0	87	0	0
Breeding	VP11	28/05/2021	18:44	7	0	0	138	0	0
Breeding	VP11	28/05/2021	19:08	6	0	14	32	0	0
Breeding	VP11	28/05/2021	19:10	2	0	0	84	0	0
Breeding	VP2	31/05/2021	09:03	2	0	0	59	0	0
Breeding	VP2	31/05/2021	09:52	2	0	0	37	0	0
Breeding	VP2	31/05/2021	11:30	2	46	0	0	0	0
Breeding	VP2	31/05/2021	11:43	2	29	0	0	0	0
Breeding	VP2	31/05/2021	18:17	2	0	0	42	0	0
Breeding	VP2	31/05/2021	18:22	1	0	29	0	0	0
Breeding	VP2	31/05/2021	19:00	4	0	0	0	0	100
Breeding	VP2	31/05/2021	19:52	2	0	102	0	0	0
Breeding	VP1	01/06/2021	09:52	3	22	40	62	0	0
Breeding	VP1	01/06/2021	11:06	8	0	96	0	0	0
Breeding	VP1	01/06/2021	11:15	1	0	0	48	0	0
Breeding	VP1	01/06/2021	13:30	2	0	0	110	0	0
Breeding	VP1	01/06/2021	14:44	4	0	111	0	0	0
Breeding	VP1	01/06/2021	15:20	4	0	0	122	0	0
Breeding	VP1	01/06/2021	15:33	2	0	67	0	0	0
Breeding	VP3	01/06/2021	18:23	10	0	0	212	0	0
Breeding	VP3	01/06/2021	18:35	1	0	65	0	0	0
Breeding	VP3	02/06/2021	14:00	4	0	0	245	0	0
Breeding	VP3	02/06/2021	14:21	4	0	34	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP3	02/06/2021	15:23	2	0	44	0	0	0
Breeding	VP4	10/06/2021	13:30	6	20	54	183	0	0
Breeding	VP4	10/06/2021	14:15	2	35	0	0	0	0
Breeding	VP4	10/06/2021	15:48	2	0	82	0	0	0
Breeding	VP4	10/06/2021	17:49	2	0	0	129	0	0
Breeding	VP4	10/06/2021	18:10	8	0	0	144	0	0
Breeding	VP5	16/06/2021	15:38	8	67	0	0	0	0
Breeding	VP5	16/06/2021	17:58	4	0	47	0	0	0
Breeding	VP6	17/06/2021	11:30	10	0	79	0	0	0
Breeding	VP6	17/06/2021	15:38	12	0	85	0	0	0
Breeding	VP6	17/06/2021	16:49	6	0	0	166	0	0
Breeding	VP7	18/06/2021	13:42	2	0	0	77	0	0
Breeding	VP7	18/06/2021	09:29	4	0	86	0	0	0
Breeding	VP8	23/06/2021	10:57	5	0	47	41	0	0
Breeding	VP8	23/06/2021	12:14	2	0	77	80	0	0
Breeding	VP8	23/06/2021	12:29	4	45	13	0	0	0
Breeding	VP8	23/06/2021	15:02	12	0	31	63	0	0
Breeding	VP8	23/06/2021	15:38	7	0	0	100	0	0
Breeding	VP9	23/06/2021	18:34	3	0	0	122	0	0
Breeding	VP9	23/06/2021	20:48	3	30	36	0	0	0
Breeding	VP9	23/06/2021	18:57	14	0	39	0	0	0
Breeding	VP9	24/06/2021	10:33	3	0	0	102	0	0
Breeding	VP9	24/06/2021	11:10	4	0	91	0	0	0
Breeding	VP10	24/06/2021	14:36	3	0	47	0	0	0
Breeding	VP10	24/06/2021	16:44	1	0	0	110	0	0
Breeding	VP10	24/06/2021	15:06	2	0	0	125	0	0
Breeding	VP10	24/06/2021	18:06	2	0	0	50	0	0
Breeding	VP10	24/06/2021	18:59	2	0	0	102	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP10	24/06/2021	19:37	6	0	33	0	0	0
Breeding	VP10	24/06/2021	20:03	1	0	37	0	0	0
Breeding	VP11	25/06/2021	11:09	3	0	0	77	0	0
Breeding	VP11	25/06/2021	11:47	2	22	0	0	0	0
Breeding	VP11	25/06/2021	12:30	4	0	90	0	0	0
Breeding	VP11	25/06/2021	13:40	1	0	30	36	0	0
Breeding	VP11	25/06/2021	13:56	4	0	0	100	0	0
Breeding	VP11	25/06/2021	15:43	2	0	11	100	0	0
Breeding	VP11	25/06/2021	16:48	4	0	28	0	0	0
Breeding	VP3	05/07/2021	10:03	2	0	66	0	0	0
Breeding	VP3	05/07/2021	11:33	11	0	30	100	0	0
Breeding	VP3	05/07/2021	16:20	2	0	73	0	0	0
Breeding	VP3	05/07/2021	17:07	3	0	0	94	0	0
Breeding	VP1	06/07/2021	09:44	3	0	0	75	0	0
Breeding	VP1	06/07/2021	12:01	2	0	0	65	0	0
Breeding	VP1	06/07/2021	13:11	1	0	0	92	0	0
Breeding	VP1	06/07/2021	13:58	3	0	50	0	0	0
Breeding	VP3	06/07/2021	10:38	3	0	12	167	0	0
Breeding	VP5	06/07/2021	17:06	2	0	0	93	0	0
Breeding	VP5	06/07/2021	19:50	2	0	0	117	0	0
Breeding	VP5	06/07/2021	20:03	1	0	0	74	0	0
Breeding	VP2	07/07/2021	11:21	2	0	0	94	0	0
Breeding	VP2	07/07/2021	12:36	1	0	12	112	0	0
Breeding	VP2	07/07/2021	13:31	1	15	34	152	0	0
Breeding	VP2	07/07/2021	15:15	2	0	0	45	0	0
Breeding	VP2	07/07/2021	16:57	1	0	0	88	0	0
Breeding	VP4	07/07/2021	19:02	5	0	0	87	0	0
Breeding	VP4	07/07/2021	19:28	7	0	0	45	0	210

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP4	07/07/2021	20:58	1	0	0	70	0	0
Breeding	VP4	07/07/2021	21:25	3	0	0	88	0	0
Breeding	VP6	08/07/2021	11:33	2	0	0	83	0	0
Breeding	VP6	08/07/2021	13:11	1	0	0	111	0	0
Breeding	VP6	08/07/2021	13:42	3	0	0	84	0	0
Breeding	VP6	08/07/2021	15:09	10	0	0	80	0	0
Breeding	VP6	08/07/2021	16:28	2	0	0	110	0	0
Breeding	VP6	08/07/2021	17:46	1	0	0	106	0	0
Breeding	VP6	08/07/2021	17:10	1	0	0	99	0	0
Breeding	VP6	08/07/2021	18:00	1	0	23	0	0	0
Breeding	VP7	08/07/2021	19:03	2	0	0	94	0	0
Breeding	VP7	08/07/2021	19:47	1	0	42	0	0	0
Breeding	VP7	08/07/2021	20:55	7	0	0	75	0	0
Breeding	VP4	09/07/2021	15:36	2	0	0	147	0	0
Breeding	VP4	09/07/2021	15:43	4	0	67	0	0	0
Breeding	VP4	09/07/2021	17:35	7	0	0	92	0	0
Breeding	VP4	09/07/2021	17:48	1	0	36	0	0	0
Breeding	VP5	09/07/2021	19:20	3	0	0	0	0	93
Breeding	VP5	09/07/2021	20:45	2	0	66	0	0	0
Breeding	VP5	09/07/2021	20:55	1	0	8	110	0	0
Breeding	VP7	09/07/2021	13:17	1	0	0	33	0	0
Breeding	VP7	09/07/2021	11:52	2	0	0	73	0	0
Breeding	VP7	09/07/2021	12:46	1	0	0	183	0	0
Breeding	VP7	09/07/2021	13:00	1	0	24	31	0	0
Breeding	VP7	09/07/2021	13:44	3	0	21	49	0	0
Breeding	VP7	09/07/2021	14:06	1	0	0	66	0	0
Breeding	VP8	13/07/2021	08:27	43	0	0	120	0	0
Breeding	VP8	13/07/2021	09:46	6	0	8	94	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP8	13/07/2021	10:22	7	29	0	0	0	0
Breeding	VP8	13/07/2021	15:05	3	0	0	100	0	0
Breeding	VP8	13/07/2021	16:27	2	0	0	53	0	0
Breeding	VP8	13/07/2021	17:02	3	0	0	112	0	0
Breeding	VP8	13/07/2021	17:18	4	0	68	0	0	0
Breeding	VP8	13/07/2021	17:39	1	0	12	58	0	0
Breeding	VP9	14/07/2021	08:27	2	0	0	103	0	0
Breeding	VP9	14/07/2021	10:27	3	0	48	0	0	0
Breeding	VP9	15/07/2021	08:46	2	0	0	113	0	0
Breeding	VP9	15/07/2021	10:17	1	0	13	56	0	0
Breeding	VP9	15/07/2021	10:48	3	0	0	124	0	0
Breeding	VP9	15/07/2021	11:00	1	0	0	148	0	0
Breeding	VP10	15/07/2021	16:30	2	0	0	98	0	0
Breeding	VP10	15/07/2021	18:13	1	0	0	91	0	0
Breeding	VP10	15/07/2021	19:00	3	0	0	144	0	0
Breeding	VP10	15/07/2021	13:06	2	0	0	65	0	0
Breeding	VP10	15/07/2021	14:40	4	0	0	104	0	0
Breeding	VP11	16/07/2021	09:43	1	0	0	64	0	0
Breeding	VP11	16/07/2021	11:11	1	0	0	90	0	0
Breeding	VP11	16/07/2021	11:26	4	0	0	177	0	0
Breeding	VP11	16/07/2021	14:24	2	0	0	113	0	0
Breeding	VP11	16/07/2021	15:00	1	0	0	84	0	0
Breeding	VP11	16/07/2021	15:23	1	0	0	209	0	0
Breeding	VP5	27/07/2021	09:22	3	0	0	109	0	0
Breeding	VP5	27/07/2021	09:57	3	0	0	54	0	0
Breeding	VP5	27/07/2021	10:10	1	0	0	0	0	91
Breeding	VP5	27/07/2021	10:49	4	0	17	102	0	0
Breeding	VP5	27/07/2021	11:48	1	0	24	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP5	27/07/2021	16:30	4	0	0	108	0	0
Breeding	VP5	27/07/2021	16:49	2	0	0	93	0	0
Breeding	VP5	27/07/2021	18:02	3	0	6	44	0	0
Breeding	VP5	27/07/2021	18:55	1	0	26	0	0	0
Breeding	VP2	28/07/2021	09:33	3	0	17	41	0	0
Breeding	VP2	28/07/2021	10:06	2	72	0	0	0	0
Breeding	VP2	28/07/2021	10:58	3	0	0	196	0	0
Breeding	VP2	28/07/2021	11:59	2	0	0	77	0	0
Breeding	VP2	28/07/2021	12:14	1	0	0	19	0	0
Breeding	VP2	28/07/2021	14:57	3	0	0	133	0	0
Breeding	VP2	28/07/2021	13:44	2	0	0	66	0	0
Breeding	VP2	28/07/2021	14:02	1	0	8	80	0	0
Breeding	VP2	28/07/2021	16:03	1	0	36	0	0	0
Breeding	VP2	28/07/2021	15:42	1	0	0	163	0	0
Breeding	VP3	28/07/2021	17:32	3	0	0	63	0	0
Breeding	VP3	28/07/2021	18:20	1	0	0	72	0	0
Breeding	VP3	28/07/2021	18:58	4	0	27	0	0	0
Breeding	VP3	28/07/2021	19:15	1	0	0	111	0	0
Breeding	VP3	28/07/2021	19:50	1	0	25	0	0	0
Breeding	VP1	29/07/2021	11:32	3	0	0	143	0	0
Breeding	VP1	29/07/2021	11:50	1	0	12	28	0	0
Breeding	VP1	29/07/2021	12:42	1	22	19	0	0	0
Breeding	VP1	29/07/2021	14:05	2	7	13	63	0	0
Breeding	VP1	29/07/2021	15:02	1	7	15	71	0	0
Breeding	VP1	29/07/2021	15:51	1	0	0	78	0	0
Breeding	VP3	29/07/2021	17:52	4	0	0	164	0	0
Breeding	VP3	29/07/2021	18:45	3	0	0	205	0	0
Breeding	VP3	29/07/2021	19:03	1	0	47	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP3	29/07/2021	19:29	2	0	0	55	0	0
Breeding	VP3	29/07/2021	20:11	1	0	28	0	0	0
Breeding	VP3	29/07/2021	20:37	8	0	0	202	0	0
Breeding	VP4	30/07/2021	11:17	1	0	0	142	0	0
Breeding	VP4	30/07/2021	11:22	1	33	0	0	0	0
Breeding	VP4	30/07/2021	11:48	1	0	79	0	0	0
Breeding	VP4	30/07/2021	12:30	2	0	0	262	0	0
Breeding	VP4	30/07/2021	14:52	2	0	0	155	0	0
Breeding	VP4	30/07/2021	15:40	1	0	26	51	0	0
Breeding	VP4	30/07/2021	16:10	1	0	47	0	0	0
Breeding	VP4	30/07/2021	16:24	2	0	0	143	0	0
Breeding	VP4	30/07/2021	17:15	2	0	0	123	0	0
Breeding	VP4	30/07/2021	17:23	1	15	0	0	0	0
Breeding	VP7	02/08/2021	10:02	12	0	0	177	0	0
Breeding	VP7	02/08/2021	10:15	4	0	0	190	0	0
Breeding	VP7	02/08/2021	10:58	3	0	0	149	0	0
Breeding	VP7	02/08/2021	11:22	1	0	13	59	0	0
Breeding	VP7	02/08/2021	12:05	15	0	0	0	0	212
Breeding	VP7	02/08/2021	15:20	10	0	0	180	0	0
Breeding	VP7	02/08/2021	15:43	2	0	0	48	0	0
Breeding	VP7	02/08/2021	15:56	3	0	57	0	0	0
Breeding	VP7	02/08/2021	17:19	1	0	0	97	0	0
Breeding	VP7	02/08/2021	17:58	8	0	0	155	0	0
Breeding	VP8	03/08/2021	18:09	2	46	100	103	0	0
Breeding	VP8	03/08/2021	18:27	3	0	0	88	0	0
Breeding	VP8	03/08/2021	18:50	1	0	0	134	0	0
Breeding	VP8	03/08/2021	19:25	5	0	0	112	0	0
Breeding	VP8	03/08/2021	20:14	1	0	33	68	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP9	03/08/2021	10:42	2	0	0	93	0	312
Breeding	VP9	03/08/2021	15:19	3	0	0	177	0	0
Breeding	VP9	03/08/2021	16:37	2	0	0	79	0	0
Breeding	VP6	04/08/2021	10:22	2	0	0	128	0	0
Breeding	VP6	04/08/2021	10:50	1	0	0	93	0	0
Breeding	VP6	04/08/2021	11:46	1	0	0	120	0	0
Breeding	VP6	04/08/2021	12:42	1	0	0	109	0	0
Breeding	VP6	04/08/2021	12:50	1	0	0	133	0	0
Breeding	VP6	04/08/2021	14:02	4	0	0	106	0	205
Breeding	VP6	04/08/2021	14:19	1	0	0	0	0	204
Breeding	VP6	04/08/2021	15:00	1	0	34	0	0	0
Breeding	VP6	04/08/2021	15:34	1	0	0	164	0	0
Breeding	VP6	04/08/2021	15:58	3	0	20	0	0	0
Breeding	VP6	04/08/2021	16:22	1	0	0	127	0	0
Breeding	VP8	04/08/2021	17:50	4	0	0	208	0	0
Breeding	VP8	04/08/2021	18:13	1	0	0	112	0	0
Breeding	VP8	04/08/2021	19:19	1	0	0	74	0	0
Breeding	VP8	04/08/2021	20:00	1	0	0	99	0	0
Breeding	VP8	04/08/2021	20:22	6	0	0	0	0	354
Breeding	VP10	05/08/2021	11:52	1	0	0	173	0	0
Breeding	VP10	05/08/2021	12:34	1	0	0	97	0	0
Breeding	VP10	05/08/2021	13:40	1	0	0	200	0	0
Breeding	VP10	11/08/2021	09:45	2	0	0	310	0	0
Breeding	VP10	11/08/2021	11:00	14	0	0	143	0	0
Breeding	VP11	11/08/2021	13:37	4	0	0	333	0	0
Breeding	VP11	11/08/2021	15:08	3	0	0	204	0	0
Breeding	VP11	11/08/2021	17:24	4	0	0	210	0	0
Breeding	VP11	11/08/2021	19:06	1	0	24	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP11	11/08/2021	19:30	3	0	0	244	0	0
Breeding	VP5	12/08/2021	11:04	1	0	15	0	0	0
Breeding	VP5	12/08/2021	11:33	1	0	0	197	0	0
Breeding	VP5	12/08/2021	12:42	1	0	62	0	0	0
Breeding	VP5	12/08/2021	14:56	2	0	0	166	0	0
Breeding	VP5	12/08/2021	15:27	1	0	0	77	0	0
Breeding	VP5	12/08/2021	16:47	1	0	0	184	0	0
Breeding	VP7	12/08/2021	18:40	1	0	0	90	0	0
Breeding	VP7	12/08/2021	19:11	1	12	43	0	0	0
Breeding	VP7	12/08/2021	19:23	2	0	0	184	0	0
Breeding	VP7	12/08/2021	20:29	1	0	0	0	0	201
Breeding	VP4	13/08/2021	11:09	1	15	0	0	0	0
Breeding	VP4	13/08/2021	11:40	1	0	0	198	0	0
Breeding	VP4	13/08/2021	12:58	2	19	72	92	0	0
Breeding	VP4	13/08/2021	14:10	2	0	0	177	0	0
Breeding	VP4	13/08/2021	16:10	1	0	0	109	0	0
Breeding	VP4	13/08/2021	16:50	1	0	0	150	0	0
Breeding	VP7	13/08/2021	18:15	2	0	0	195	0	0
Breeding	VP7	13/08/2021	18:40	1	0	15	47	0	0
Breeding	VP7	13/08/2021	19:12	1	0	0	94	0	0
Breeding	VP7	13/08/2021	20:24	4	0	210	0	0	0
Breeding	VP8	14/08/2021	11:17	1	0	0	224	0	0
Breeding	VP8	14/08/2021	11:51	1	12	55	0	0	0
Breeding	VP8	14/08/2021	12:46	1	0	0	193	0	0
Breeding	VP8	14/08/2021	13:15	1	0	0	100	0	0
Breeding	VP3	16/08/2021	09:29	1	0	0	201	0	21
Breeding	VP3	16/08/2021	10:11	1	0	0	180	0	0
Breeding	VP3	16/08/2021	13:27	1	0	0	160	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP3	16/08/2021	13:48	2	0	0	256	0	0
Breeding	VP3	16/08/2021	15:16	1	0	0	53	0	0
Breeding	VP8	16/08/2021	17:04	8	0	0	209	0	0
Breeding	VP8	16/08/2021	17:39	1	0	0	187	0	0
Breeding	VP8	16/08/2021	18:14	1	0	13	81	0	0
Breeding	VP8	16/08/2021	18:40	1	0	0	226	0	0
Breeding	VP2	17/08/2021	09:14	2	0	0	110	0	0
Breeding	VP2	17/08/2021	10:49	1	0	33	0	0	0
Breeding	VP2	17/08/2021	12:45	1	0	0	105	0	0
Breeding	VP2	17/08/2021	14:21	1	0	0	85	0	0
Breeding	VP2	17/08/2021	15:23	1	23	0	0	0	0
Breeding	VP9	17/08/2021	16:53	2	0	0	207	0	0
Breeding	VP9	17/08/2021	17:25	26	0	0	193	0	0
Breeding	VP9	17/08/2021	18:34	1	29	0	0	0	0
Breeding	VP9	17/08/2021	19:01	3	0	0	87	0	0
Breeding	VP1	18/08/2021	09:48	2	0	0	25	0	50
Breeding	VP1	18/08/2021	10:07	1	38	0	0	0	0
Breeding	VP1	18/08/2021	10:33	1	0	0	194	0	0
Breeding	VP1	18/08/2021	11:40	6	0	0	200	0	0
Breeding	VP1	18/08/2021	11:52	1	0	66	0	0	0
Breeding	VP1	18/08/2021	13:00	3	0	0	112	0	0
Breeding	VP1	18/08/2021	13:38	1	0	35	0	0	0
Breeding	VP1	18/08/2021	15:09	1	0	0	94	0	0
Breeding	VP9	18/08/2021	17:08	34	0	0	195	0	0
Breeding	VP9	18/08/2021	17:17	12	0	0	143	0	0
Breeding	VP9	18/08/2021	18:10	1	0	47	0	0	0
Breeding	VP6	19/08/2021	09:47	6	25	75	0	0	0
Breeding	VP6	19/08/2021	10:15	22	0	0	186	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP6	19/08/2021	12:01	1	0	44	0	0	0
Breeding	VP6	19/08/2021	13:56	3	0	0	134	0	0
Breeding	VP10	19/08/2021	18:15	3	0	0	86	0	0
Breeding	VP10	19/08/2021	19:10	1	0	0	165	0	0
Breeding	VP10	20/08/2021	10:30	2	0	0	118	0	0
Breeding	VP10	20/08/2021	11:15	1	0	0	227	0	0
Breeding	VP11	20/08/2021	14:00	1	0	0	211	0	0
Breeding	VP11	20/08/2021	15:33	1	6	12	50	0	0
Breeding	VP11	20/08/2021	17:16	1	0	14	151	0	0
Breeding	VP11	20/08/2021	18:05	3	0	0	222	0	0
Breeding	VP11	20/08/2021	18:49	1	0	12	28	0	0
Breeding	VP3	02/09/2021	15:17	1	0	0	74	0	0
Breeding	VP1	06/09/2021	09:11	1	0	0	133	0	0
Breeding	VP1	06/09/2021	10:19	1	0	0	107	0	0
Breeding	VP1	06/09/2021	14:43	1	0	0	201	0	0
Breeding	VP8	06/09/2021	17:10	1	0	0	166	0	0
Breeding	VP6	09/09/2021	10:10	1	0	0	173	0	0
Breeding	VP9	13/09/2021	11:00	1	0	0	97	0	0
Breeding	VP11	14/09/2021	13:59	1	0	0	187	0	0
Breeding	VP2	20/09/2021	10:04	1	0	0	143	0	0
Breeding	VP2	20/09/2021	11:08	1	0	154	0	0	0
Breeding	VP11	22/09/2021	17:20	1	0	0	183	0	0
Breeding	VP4	23/09/2021	09:38	1	0	0	165	0	0
Breeding	VP8	24/09/2021	10:29	1	0	0	199	0	0
Non-breeding	VP11	25/11/2021	09:25	20	0	45	15	0	0
Breeding	VP9	11/04/2022	08:04	1	0	30	0	0	0
Breeding	VP9	11/04/2022	11:10	2	125	0	0	0	0
Breeding	VP9	11/04/2022	12:15	2	120	120	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP8	12/04/2022	07:26	3	0	35	0	0	0
Breeding	VP8	12/04/2022	08:40	2	0	30	0	0	0
Breeding	VP8	12/04/2022	10:05	2	0	30	0	0	0
Breeding	VP 1	12/04/2022	16:02	1	0	35	0	0	0
Breeding	VP 1	12/04/2022	16:21	1	0	40	0	0	0
Breeding	VP 1	12/04/2022	16:56	2	50	0	0	0	0
Breeding	VP 1	12/04/2022	17:19	1	45	15	0	0	0
Breeding	VP 1	12/04/2022	18:52	4	0	30	0	0	0
Breeding	VP 1	12/04/2022	20:11	2	0	30	0	0	0
Breeding	VP10	13/04/2022	06:55	6	18	0	0	0	0
Breeding	VP10	13/04/2022	07:31	8	20	0	0	0	0
Breeding	VP10	13/04/2022	07:55	4	30	0	0	0	0
Breeding	VP10	13/04/2022	08:01	3	3	0	0	0	0
Breeding	VP10	13/04/2022	12:30	25	25	0	0	0	0
Breeding	VP10	13/04/2022	12:35	10	20	0	0	0	0
Breeding	VP10	13/04/2022	13:15	16	18	0	0	0	0
Breeding	VP10	13/04/2022	13:30	17	17	0	0	0	0
Breeding	VP 3	14/04/2022	07:34	2	0	0	80	0	0
Breeding	VP 3	14/04/2022	08:45	2	0	70	0	0	0
Breeding	VP 3	14/04/2022	11:26	4	0	75	0	0	0
Breeding	VP 3	14/04/2022	11:42	1	0	30	40	0	0
Breeding	VP11	15/04/2022	12:14	4	0	0	35	0	0
Breeding	VP 5	20/04/2022	15:02	2	0	90	0	0	0
Breeding	VP 5	20/04/2022	15:45	5	0	85	0	0	0
Breeding	VP 5	20/04/2022	16:18	4	0	0	75	0	0
Breeding	VP 6	21/04/2022	10:26	6	0	70	0	0	0
Breeding	VP 6	21/04/2022	10:32	4	0	35	0	0	0
Breeding	VP 7	21/04/2022	17:08	3	0	45	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP 7	21/04/2022	17:49	2	0	50	0	0	0
Breeding	VP 7	22/04/2022	07:40	5	0	0	70	0	0
Breeding	VP 4	03/05/2022	15:02	8	0	0	0	265	50
Breeding	VP 4	03/05/2022	16:48	1	40	0	0	0	0
Breeding	VP 5	04/05/2022	13:26	4	0	0	75	0	0
Breeding	VP 5	04/05/2022	13:49	2	0	0	68	0	0
Breeding	VP11	04/05/2022	17:31	4	0	51	0	0	0
Breeding	VP8	09/05/2022	15:05	2	0	45	0	0	0
Breeding	VP8	09/05/2022	17:41	2	0	0	37	0	0
Breeding	VP8	09/05/2022	18:45	1	0	0	20	0	0
Breeding	VP9	11/05/2022	19:51	4	0	0	45	0	0
Breeding	VP10	12/05/2022	15:45	4	35	0	0	0	0
Breeding	VP10	12/05/2022	16:16	7	26	0	0	0	0
Breeding	VP10	12/05/2022	17:15	3	21	0	0	0	0
Breeding	VP10	12/05/2022	20:10	6	24	0	0	0	0
Breeding	VP 1	18/05/2022	06:12	2	0	0	40	0	0
Breeding	VP 7	19/05/2022	16:26	2	0	75	0	0	0
Breeding	VP 7	19/05/2022	20:07	3	0	0	40	0	0
Breeding	VP 3	30/05/2022	14:52	3	0	0	55	0	0
Breeding	VP 3	30/05/2022	19:23	4	0	20	40	0	0
Breeding	VP11	07/06/2022	14:51	4	0	0	35	0	0
Breeding	VP11	07/06/2022	15:12	5	0	0	24	0	0
Breeding	VP 3	08/06/2022	13:51	1	25	15	0	0	0
Breeding	VP 3	08/06/2022	18:03	1	0	35	0	0	0
Breeding	VP10	08/06/2022	13:45	5	0	35	0	0	0
Breeding	VP10	08/06/2022	14:10	2	20	0	0	0	0
Breeding	VP10	08/06/2022	15:05	3	35	0	0	0	0
Breeding	VP10	08/06/2022	15:15	2	0	45	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP10	08/06/2022	15:19	1	25	0	0	0	0
Breeding	VP 1	09/06/2022	14:52	9	35	0	0	0	0
Breeding	VP 1	09/06/2022	20:02	6	0	40	0	0	0
Breeding	VP10	09/06/2022	13:05	3	0	35	0	0	0
Breeding	VP10	09/06/2022	14:25	2	35	0	0	0	0
Breeding	VP9	09/06/2022	16:35	3	0	35	0	0	0
Breeding	VP 2	10/06/2022	10:42	1	25	0	0	0	0
Breeding	VP 2	10/06/2022	14:21	1	30	25	0	0	0
Breeding	VP 2	10/06/2022	15:11	1	0	40	0	0	0
Breeding	VP8	17/06/2022	10:42	5	0	34	0	0	0
Breeding	VP 4	27/06/2022	19:40	2	0	45	0	0	0
Breeding	VP 5	28/06/2022	20:13	5	0	30	0	0	0
Breeding	VP 6	29/06/2022	10:40	3	0	30	0	0	0
Breeding	VP 7	30/06/2022	14:05	2	10	35	0	0	0
Breeding	VP 7	30/06/2022	18:40	6	0	70	0	0	0
Breeding	VP 1	01/07/2022	10:52	6	0	45	0	0	0
Breeding	VP 1	04/07/2022	14:40	8	0	35	0	0	0
Breeding	VP 1	04/07/2022	16:12	4	0	45	0	0	0
Breeding	VP 3	05/07/2022	12:02	10	0	0	55	30	30
Breeding	VP9	05/07/2022	13:01	6	0	65	15	0	0
Breeding	VP 3	06/07/2022	08:29	6	0	40	0	0	0
Breeding	VP 2	06/07/2022	14:06	4	0	45	0	0	0
Breeding	VP 2	06/07/2022	17:15	8	0	35	20	0	0
Breeding	VP 2	06/07/2022	18:13	4	0	0	40	0	0
Breeding	VP 4	07/07/2022	15:02	6	0	30	0	0	0
Breeding	VP 4	07/07/2022	16:46	5	0	35	0	0	0
Breeding	VP10	07/07/2022	13:35	2	10	25	0	0	0
Breeding	VP10	07/07/2022	14:42	2	0	32	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP 4	08/07/2022	12:26	4	0	40	0	0	0
Breeding	VP 4	08/07/2022	12:58	3	0	35	0	0	0
Breeding	VP8	12/07/2022	10:41	3	0	35	0	0	0
Breeding	VP8	12/07/2022	12:35	2	0	32	0	0	0
Breeding	VP8	12/07/2022	13:28	3	35	0	0	0	0
Breeding	VP11	13/07/2022	14:23	5	0	35	0	0	0
Breeding	VP 5	27/07/2022	13:28	10	0	40	0	0	0
Breeding	VP 5	27/07/2022	13:52	4	0	45	0	0	0
Breeding	VP 5	27/07/2022	14:26	2	0	0	0	0	0
Breeding	VP 5	27/07/2022	15:18	5	0	20	35	0	0
Breeding	VP 5	27/07/2022	14:12	4	0	0	40	0	0
Breeding	VP 5	27/07/2022	15:15	12	0	0	40	0	0
Breeding	VP 5	27/07/2022	16:08	3	0	0	45	0	0
Breeding	VP 5	27/07/2022	16:40	4	0	0	50	0	0
Breeding	VP 5	27/07/2022	18:39	6	0	0	55	0	0
Breeding	VP 6	28/07/2022	11:47	4	0	45	0	0	0
Breeding	VP 7	29/07/2022	10:55	1	0	0	315	0	0
Breeding	VP 7	29/07/2022	13:20	2	0	30	0	0	0
Breeding	VP 7	29/07/2022	13:25	1	0	0	46	0	0
Breeding	VP 3	03/08/2022	13:06	4	0	0	65	0	0
Breeding	VP 3	03/08/2022	14:03	1	0	45	0	0	0
Breeding	VP 3	03/08/2022	14:42	5	0	35	45	0	0
Breeding	VP 3	03/08/2022	14:55	2	0	45	0	0	0
Breeding	VP 1	04/08/2022	10:23	3	25	10	0	0	0
Breeding	VP 1	04/08/2022	11:16	2	15	30	0	0	0
Breeding	VP 1	04/08/2022	12:33	2	0	30	0	0	0
Breeding	VP 1	04/08/2022	16:48	3	0	40	0	0	0
Breeding	VP 1	04/08/2022	17:26	2	10	25	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP 2	05/08/2022	09:33	1	40	7	0	0	0
Breeding	VP 2	05/08/2022	14:06	2	20	30	0	0	0
Breeding	VP10	05/08/2022	11:25	3	0	42	0	0	0
Breeding	VP10	05/08/2022	13:30	3	35	0	0	0	0
Breeding	VP10	05/08/2022	14:15	2	30	0	0	0	0
Breeding	VP 4	16/08/2022	10:52	4	0	45	0	0	0
Breeding	VP 4	16/08/2022	12:12	6	0	40	0	0	0
Breeding	VP 4	16/08/2022	17:03	4	0	45	0	0	0
Breeding	VP 4	16/08/2022	19:00	3	0	40	0	0	0
Breeding	VP 5	17/08/2022	11:05	4	0	50	0	0	0
Breeding	VP 5	17/08/2022	11:50	6	0	65	0	0	0
Breeding	VP 5	23/08/2022	16:45	4	0	40	0	0	0
Breeding	VP 5	23/08/2022	17:26	4	0	42	0	0	0
Breeding	VP 7	31/08/2022	17:26	2	0	55	0	0	0
Breeding	VP10	05/09/2022	13:20	3	45	0	0	0	0
Breeding	VP10	05/09/2022	13:55	2	35	0	0	0	0
Breeding	VP10	05/09/2022	15:05	5	40	0	0	0	0
Breeding	VP 3	06/09/2022	15:26	2	0	35	125	0	0
Breeding	VP 1	27/09/2022	12:26	2	35	10	0	0	0
Breeding	VP 1	27/09/2022	12:48	1	0	30	0	0	0
Breeding	VP 1	27/09/2022	13:27	2	0	35	0	0	0
Breeding	VP 1	27/09/2022	16:56	4	25	0	0	0	0
Breeding	VP 5	29/09/2022	14:16	4	0	0	55	0	0
Non-breeding	VP7	05/10/2022	17:20	1	10	35	0	0	0
Non-breeding	VP1	05/10/2022	18:34	1	12	0	0	0	0
Non-breeding	VP1	14/11/2022	10:23	1	7	0	0	0	0
Non-breeding	VP10	01/12/2022	10:15	1	55	0	0	0	0
Non-breeding	VP1	09/01/2023	10:10	1	2	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP1	06/02/2023	16:35	2	8	0	0	0	0
Non-breeding	VP7	08/03/2023	13:55	4	0	25	0	0	0
Non-breeding	VP7	08/03/2023	15:25	4	0	25	0	0	0
Non-breeding	VP9	14/03/2023	15:30	3	0	25	0	0	0
Non-breeding	VP8	15/03/2023	11:15	3	0	25	0	0	0
Non-breeding	VP8	15/03/2023	14:05	2	0	20	0	0	0
Non-breeding	VP11	20/03/2023	15:40	7	0	0	45	0	0
Non-breeding	VP4	21/03/2023	08:15	2	0	10	0	0	0
Non-breeding	VP5	29/03/2023	10:50	2	10	0	0	0	0
Non-breeding	VP5	29/03/2023	15:10	1	3	0	0	0	0
Breeding	VP1	04/04/2023	14:52	1	0	55	0	0	0
Breeding	VP1	04/04/2023	17:58	1	10	30	0	0	0
Breeding	VP1	04/04/2023	19:37	4	0	35	0	0	0
Breeding	VP3	05/04/2023	10:38	2	0	15	20	0	0
Breeding	VP3	05/04/2023	10:53	1	0	35	10	0	0
Breeding	VP3	05/04/2023	11:18	2	0	20	25	0	0
Breeding	VP3	05/04/2023	17:51	2	0	30	0	0	0
Breeding	VP4	06/04/2023	15:32	1	0	35	0	0	0
Breeding	VP4	06/04/2023	18:20	22	0	0	45	0	0
Breeding	VP10	13/04/2023	14:35	3	25	0	0	0	0
Breeding	VP10	13/04/2023	14:45	17	20	0	0	0	0
Breeding	VP10	13/04/2023	17:10	7	20	0	0	0	0
Breeding	VP10	13/04/2023	18:05	19	35	0	0	0	0
Breeding	VP5	13/04/2023	12:44	2	0	40	0	0	0
Breeding	VP5	13/04/2023	13:12	1	0	35	0	0	0
Breeding	VP5	13/04/2023	18:34	15	0	40	0	0	0
Breeding	VP5	13/04/2023	19:26	8	0	45	0	0	0
Breeding	VP5	13/04/2023	19:52	22	0	40	30	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP5	13/04/2023	20:12	9	0	45	0	0	0
Breeding	VP11	14/04/2023	20:05	12	0	35	0	0	0
Breeding	VP6	14/04/2023	07:23	1	0	45	20	0	0
Breeding	VP6	14/04/2023	08:10	2	0	55	0	0	0
Breeding	VP7	24/04/2023	16:03	1	15	0	0	0	0
Breeding	VP7	24/04/2023	16:14	6	0	10	45	0	0
Breeding	VP7	24/04/2023	17:18	4	0	55	0	0	0
Breeding	VP7	24/04/2023	17:26	2	15	0	0	0	0
Breeding	VP7	24/04/2023	19:11	16	0	0	75	0	0
Breeding	VP8	25/04/2023	19:27	3	0	35	40	0	0
Breeding	VP8	26/04/2023	14:11	1	0	25	30	0	0
Breeding	VP3	04/05/2023	14:20	1	0	0	15	0	0
Breeding	VP2	09/05/2023	17:20	3	0	20	35	0	0
Breeding	VP2	09/05/2023	19:28	4	0	25	10	0	0
Breeding	VP6	10/05/2023	18:26	5	0	43	10	0	0
Breeding	VP6	10/05/2023	19:09	3	0	40	0	0	0
Breeding	VP5	20/05/2023	09:33	6	0	15	35	0	0
Breeding	VP5	20/05/2023	17:02	8	0	55	0	0	0
Breeding	VP1	22/05/2023	08:51	10	0	45	0	0	0
Breeding	VP1	22/05/2023	09:55	5	0	40	0	0	0
Breeding	VP1	22/05/2023	10:36	4	0	40	0	0	0
Breeding	VP8	23/05/2023	06:25	4	0	40	20	0	0
Breeding	VP8	23/05/2023	11:36	3	0	0	35	0	0
Breeding	VP4	24/05/2023	13:25	3	0	0	35	0	0
Breeding	VP7	25/05/2023	12:45	6	0	45	0	0	0
Breeding	VP7	25/05/2023	18:27	7	0	45	0	0	0
Breeding	VP11	27/05/2023	07:38	2	0	0	45	0	0
Breeding	VP10	31/05/2023	10:15	4	0	45	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP7	05/06/2023	13:18	7	0	55	0	0	0
Breeding	VP4	08/06/2023	15:05	3	0	45	0	0	0
Breeding	VP4	08/06/2023	15:50	7	0	0	50	0	0
Breeding	VP6	08/06/2023	14:02	3	0	50	0	0	0
Breeding	VP2	15/06/2023	11:48	2	15	35	0	0	0
Breeding	VP2	15/06/2023	13:03	3	0	20	50	0	0
Breeding	VP2	15/06/2023	19:58	2	0	0	70	0	0
Breeding	VP10	16/06/2023	09:41	2	0	45	0	0	0
Breeding	VP10	16/06/2023	13:58	4	0	40	0	0	0
Breeding	VP8	20/06/2023	12:40	4	0	45	0	0	0
Breeding	VP8	20/06/2023	14:12	3	0	50	0	0	0
Breeding	VP8	20/06/2023	18:12	5	0	70	0	0	0
Breeding	VP8	20/06/2023	18:47	3	0	75	0	0	0
Breeding	VP3	21/06/2023	13:53	3	0	30	0	0	0
Breeding	VP3	21/06/2023	18:32	3	0	0	25	0	0
Breeding	VP1	22/06/2023	08:50	6	0	70	0	0	0
Breeding	VP1	22/06/2023	09:12	5	0	65	0	0	0
Breeding	VP1	22/06/2023	10:25	8	0	60	0	0	0
Breeding	VP1	22/06/2023	14:18	6	0	55	0	0	0
Breeding	VP5	26/06/2023	12:50	12	0	70	0	0	0
Breeding	VP5	26/06/2023	15:20	8	0	0	55	0	0
Breeding	VP5	26/06/2023	20:10	6	0	65	0	0	0
Breeding	VP11	27/06/2023	16:02	5	0	85	0	0	0
Breeding	VP9	29/06/2023	16:12	4	0	0	70	0	0
Breeding	VP3	05/07/2023	09:35	3	0	0	45	0	0
Breeding	VP3	05/07/2023	11:35	5	0	0	50	0	0
Breeding	VP3	05/07/2023	15:55	5	0	75	0	0	0
Breeding	VP4	06/07/2023	10:05	7	0	65	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP4	06/07/2023	10:50	8	0	40	0	0	0
Breeding	VP4	06/07/2023	11:20	7	0	0	65	0	0
Breeding	VP4	06/07/2023	15:05	8	0	30	0	0	0
Breeding	VP7	12/07/2023	13:06	1	0	0	45	0	0
Breeding	VP7	12/07/2023	17:28	8	0	65	0	0	0
Breeding	VP6	13/07/2023	10:13	3	0	55	0	0	0
Breeding	VP6	13/07/2023	11:26	4	0	70	0	0	0
Breeding	VP1	14/07/2023	15:03	4	15	60	0	0	0
Breeding	VP1	14/07/2023	16:12	3	0	55	0	0	0
Breeding	VP5	20/07/2023	07:12	6	0	75	0	0	0
Breeding	VP5	20/07/2023	09:11	5	0	0	55	0	0
Breeding	VP5	20/07/2023	17:01	12	0	75	0	0	0
Breeding	VP2	21/07/2023	11:02	3	0	75	0	0	0
Breeding	VP2	21/07/2023	13:22	4	0	75	0	0	0
Breeding	VP2	21/07/2023	15:49	2	0	80	0	0	0
Breeding	VP8	24/07/2023	12:38	4	0	30	0	0	0
Breeding	VP8	24/07/2023	13:16	3	0	45	0	0	0
Breeding	VP8	24/07/2023	19:47	4	0	30	0	0	0
Breeding	VP10	25/07/2023	10:16	5	0	62	0	0	0
Breeding	VP10	25/07/2023	11:26	4	0	50	0	0	0
Breeding	VP10	25/07/2023	17:26	6	0	40	0	0	0
Breeding	VP11	26/07/2023	09:05	4	0	75	0	0	0
Breeding	VP11	26/07/2023	10:18	6	0	55	0	0	0
Breeding	VP9	27/07/2023	09:18	4	0	0	55	0	0
Breeding	VP9	27/07/2023	16:18	3	0	70	0	0	0
Breeding	VP4	01/08/2023	10:50	5	0	0	35	0	0
Breeding	VP4	01/08/2023	11:25	4	0	0	45	0	0
Breeding	VP3	02/08/2023	09:10	3	0	30	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP3	02/08/2023	09:35	5	0	35	0	0	0
Breeding	VP3	02/08/2023	13:40	4	0	0	35	0	0
Breeding	VP7	08/08/2023	13:42	1	20	25	0	0	0
Breeding	VP1	09/08/2023	10:13	4	70	0	0	0	0
Breeding	VP5	11/08/2023	09:26	4	0	85	0	0	0
Breeding	VP2	14/08/2023	15:21	2	0	70	0	0	0
Breeding	VP6	15/08/2023	19:38	2	0	15	35	0	0
Breeding	VP8	16/08/2023	11:12	3	0	55	0	0	0
Breeding	VP8	16/08/2023	17:41	2	0	0	45	0	0
Breeding	VP10	22/08/2023	18:48	3	0	45	0	0	0
Breeding	VP10	18/09/2023	16:24	1	55	10	0	0	0
Breeding	VP1	28/09/2023	11:45	1	0	35	0	0	0
Non-breeding	VP1	25/02/2024	15:11	1	9	0	0	0	0
Non-breeding	VP6	04/03/2024	10:55	7	0	0	55	0	0
Non-breeding	VP7	06/03/2024	08:50	4	0	0	65	0	0
Non-breeding	VP7	06/03/2024	10:00	2	0	0	35	0	0
Non-breeding	VP7	06/03/2024	13:55	4	0	0	65	0	0
Non-breeding	VP3	07/03/2024	14:20	1	9	4	0	0	0
Non-breeding	VP8	11/03/2024	15:55	3	0	30	0	0	0
Non-breeding	VP4	15/03/2024	11:15	5	8	0	0	0	0
Non-breeding	VP4	15/03/2024	10:22	5	13	35	0	0	0
Non-breeding	VP4	15/03/2024	13:50	4	4	0	0	0	0
Non-breeding	VP5	25/03/2024	10:04	4	15	8	0	0	0
Non-breeding	VP5	25/03/2024	10:14	3	4	1	0	0	0
Non-breeding	VP5	25/03/2024	10:53	5	5	2	0	0	0
Non-breeding	VP5	27/03/2024	12:33	4	0	6	5	0	0
Breeding	VP10	02/04/2024	19:05	4	0	40	0	0	0
Breeding	VP8	04/04/2024	14:05	5	0	0	35	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP3	09/04/2024	11:12	1	7	6	0	0	0
Breeding	VP4	09/04/2024	16:15	3	19	30	0	0	0
Breeding	VP6	09/04/2024	14:55	32	0	35	0	0	0
Breeding	VP6	09/04/2024	15:50	12	0	0	65	0	0
Breeding	VP6	09/04/2024	18:30	25	0	0	70	0	0
Breeding	VP6	09/04/2024	19:40	75	0	0	65	0	0
Breeding	VP6	09/04/2024	20:15	55	0	0	60	0	0
Breeding	VP11	09/04/2024	18:48	26	0	90	0	0	0
Breeding	VP11	09/04/2024	19:23	8	0	75	0	0	0
Breeding	VP9	10/04/2024	18:46	4	0	0	310	0	0
Breeding	VP11	11/04/2024	09:15	2	0	40	0	0	0
Breeding	VP11	11/04/2024	10:06	4	0	90	0	0	0
Breeding	VP9	11/04/2024	12:12	4	0	45	186	0	0
Breeding	VP9	11/04/2024	13:27	2	0	85	0	0	0
Breeding	VP3	12/04/2024	07:40	4	5	0	0	0	0
Breeding	VP5	29/04/2024	12:00	7	30	18	0	0	0
Breeding	VP5	30/04/2024	10:30	5	10	3	0	0	0
Breeding	VP10	07/05/2024	07:30	2	0	35	0	0	0
Breeding	VP10	07/05/2024	13:05	1	0	25	0	0	0
Breeding	VP6	08/05/2024	09:25	16	0	0	45	0	0
Breeding	VP11	08/05/2024	17:18	4	0	75	0	0	0
Breeding	VP11	08/05/2024	18:06	6	0	80	0	0	0
Breeding	VP1	09/05/2024	07:15	5	10	3	0	0	0
Breeding	VP7	09/05/2024	06:10	6	0	0	40	0	0
Breeding	VP7	09/05/2024	08:20	5	0	0	30	0	0
Breeding	VP7	09/05/2024	11:25	2	0	0	35	0	0
Breeding	VP3	14/05/2024	13:40	1	10	0	0	0	0
Breeding	VP3	14/05/2024	18:43	2	11	3	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP8	14/05/2024	07:25	3	0	35	0	0	0
Breeding	VP8	14/05/2024	11:00	1	0	30	0	0	0
Breeding	VP8	14/05/2024	12:10	4	0	35	0	0	0
Breeding	VP4	22/05/2024	11:37	4	15	12	0	0	0
Breeding	VP2	25/05/2024	17:05	4	600	300	0	0	0
Breeding	VP2	26/05/2024	05:10	11	6000	4000	0	0	0
Breeding	VP5	28/05/2024	10:07	4	500	280	0	0	0
Breeding	VP5	28/05/2024	10:26	11	1000	400	0	0	0
Breeding	VP5	28/05/2024	12:01	3	540	0	0	0	0
Breeding	VP5	28/05/2024	14:05	20	1800	200	0	0	0
Breeding	VP5	28/05/2024	15:11	3	11	0	0	0	0
Breeding	VP8	04/06/2024	08:15	3	0	0	40	0	0
Breeding	VP6	06/06/2024	11:25	12	0	0	35	0	0
Breeding	VP4	10/06/2024	06:45	2	v	12	0	0	0
Breeding	VP4	10/06/2024	15:03	2	12	3	0	0	0
Breeding	VP7	10/06/2024	08:15	12	0	0	40	0	0
Breeding	VP7	10/06/2024	08:35	7	0	0	35	0	0
Breeding	VP7	10/06/2024	09:50	9	0	0	45	0	0
Breeding	VP1	16/06/2024	11:27	1	4	7	0	0	0
Breeding	VP1	16/06/2024	15:12	4	8	9	0	0	0
Breeding	VP11	20/06/2024	16:51	4	0	45	0	0	0
Breeding	VP11	20/06/2024	17:29	6	0	40	0	0	0
Breeding	VP11	21/06/2024	08:12	5	0	50	0	0	0
Breeding	VP10	01/07/2024	08:45	3	10	10	0	0	0
Breeding	VP10	01/07/2024	14:50	6	0	25	0	0	0
Breeding	VP7	02/07/2024	07:55	4	0	0	25	0	0
Breeding	VP7	02/07/2024	08:15	7	0	0	20	0	0
Breeding	VP6	04/07/2024	10:05	5	0	0	35	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP6	04/07/2024	11:20	12	0	35	0	0	0
Breeding	VP4	08/07/2024	15:48	3	5	7	0	0	0
Breeding	VP8	08/07/2024	06:55	4	0	0	40	0	0
Breeding	VP11	23/07/2024	19:23	4	0	54	0	0	0
Breeding	VP11	24/07/2024	15:39	3	0	40	0	0	0
Breeding	VP5	29/07/2024	09:00	12	35	11	0	0	0
Breeding	VP5	29/07/2024	15:51	3	0	14	0	0	0
Breeding	VP10	01/08/2024	08:35	4	0	0	40	0	0
Breeding	VP10	01/08/2024	08:55	6	0	0	35	0	0
Breeding	VP10	01/08/2024	10:20	12	20	20	0	0	0
Breeding	VP10	01/08/2024	12:55	15	10	20	0	0	0
Breeding	VP10	01/08/2024	13:20	9	10	20	0	0	0
Breeding	VP10	01/08/2024	14:55	8	20	10	0	0	0
Breeding	VP7	06/08/2024	08:05	1	0	40	0	0	0
Breeding	VP7	06/08/2024	09:45	3	0	65	0	0	0
Breeding	VP7	06/08/2024	10:20	5	0	45	0	0	0
Breeding	VP7	06/08/2024	13:30	1	0	30	0	0	0
Breeding	VP7	06/08/2024	14:25	2	0	0	45	0	0
Breeding	VP7	06/08/2024	15:15	6	0	35	0	0	0
Breeding	VP9	06/08/2024	17:32	2	0	115	20	0	0
Breeding	VP9	06/08/2024	19:17	2	0	50	0	0	0
Breeding	VP6	07/08/2024	07:55	3	0	45	0	0	0
Breeding	VP6	07/08/2024	08:20	1	0	30	0	0	0
Breeding	VP6	07/08/2024	10:25	5	0	50	0	0	0
Breeding	VP9	07/08/2024	10:32	1	0	95	0	0	0
Breeding	VP9	07/08/2024	12:06	3	0	175	0	0	0
Breeding	VP11	08/08/2024	10:11	4	0	55	0	0	0
Breeding	VP3	12/08/2024	10:04	1	6	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP8	12/08/2024	09:45	3	0	25	0	0	0
Breeding	VP5	26/09/2024	11:13	3	8	4	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00907	Breeding	VP10	13/04/2022	06:45	43	PB4	Grounded	H	Possible
P00933	Breeding	VP10	12/05/2022	15:20	22	PB4	Roosting	F	Non-Breeding
P00946	Breeding	VP10	08/06/2022	13:15	19	PB4	Roosting	F	Non-Breeding
P00992	Breeding	VP10	05/09/2022	10:40	9	PB4	Roosting	N/A	N/A
P01839	Non-breeding	VP10	04/11/2022	09:00	3	PB4	Foraging.	N/A	N/A
P01876	Non-breeding	VP10	07/03/2023	12:20	3	PB4	Foraging.	N/A	N/A
P04086	Breeding	VP10	13/04/2023	14:25	5	N/A	Roosting	N/A	N/A
P05889	Non-breeding	VP10	05/03/2024	07:15	3	N/A	Swimming.	N/A	N/A
P06134	Breeding	VP10	07/05/2024	05:10	6	N/A	Roosting	N/A	N/A
P06119	Breeding	VP10	01/07/2024	07:40	17	N/A	Roosting	N/A	N/A
P06125	Breeding	VP6	04/07/2024	07:40	3	N/A	Roosting	N/A	N/A
P06127	Breeding	VP10	01/08/2024	07:25	28	N/A	Roosting	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P00003	Breeding	N/A	21/05/2021	10	N/A	N/A	N/A
P01077	Breeding	Ref: 9	20/04/2022	480	Roosting on Incharmadermot island.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01095	Breeding	Ref: 7	21/04/2022	2	Flying over.	F	Non-Breeding
P01100	Breeding	Ref: 8	21/04/2022	1	Flying over.	F	Non-Breeding
P01107	Breeding	Ref: 20	21/04/2022	1	Flying over.	F	Non-Breeding
P01111	Breeding	New site	22/04/2022	4	Grounded at side of lake	N/A	N/A
P01127	Breeding	New site	22/04/2022	6	Swimming on open water.	N/A	N/A
P01130	Breeding	New site	22/04/2022	6	Foraging on grass field.	N/A	N/A
P01296	Breeding	Corlea Wetlands	05/05/2022	2	Swimming on lake.	N/A	N/A
P01300	Breeding	Rhynmount Bog.	10/05/2022	2	Flying over bog.	F	Non-Breeding
P01304	Breeding	Rhynmount Bog.	10/05/2022	1	Swimming on lake.	N/A	N/A
P01311	Breeding	Rhynmount Bog.	10/05/2022	4	Flying over bog.	F	Non-Breeding
P01326	Breeding	Ref: 5	12/05/2022	12	Roosting on island.	P	Probable
P01331	Breeding	Ref: 9	12/05/2022	525	Roosting on island.	P	Probable
P01337	Breeding	Ref: 4	12/05/2022	2	Flying over.	F	Non-Breeding
P01202	Breeding	VP Number 10	17/05/2022	2	2 LB gulls flying over	H	Possible
P01462	Breeding	Ref: 9	10/06/2022	275	Roosting posible nesting on island.	H	Possible
P01469	Breeding	Ref: 4	10/06/2022	2	Flying over.	F	Non-Breeding
P01482	Breeding	Ref: 1	20/06/2022	3	Flying over.	F	Non-Breeding
P01483	Breeding	Ref: 3	20/06/2022	2	Flying over.	F	Non-Breeding
P01569	Breeding	ref: 6	06/07/2022	3	Flying over	F	Non-Breeding
P01575	Breeding	ref: 9	06/07/2022	489	Roosting on and flying around the island.	N/A	N/A
P01580	Breeding	ref: 4	06/07/2022	16	Flying over field.	F	Non-Breeding
P01591	Breeding	ref: 14	11/07/2022	3	Flying over.	F	Non-Breeding

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01596	Breeding	Rhynmount Bog.	11/07/2022	3	Flying over.	F	Non-Breeding
P01601	Breeding	ref: 22	14/07/2022	2	Flying over.	F	Non-Breeding
P01602	Breeding	ref: 25	14/07/2022	3	Flying over.	F	Non-Breeding
P01701	Breeding	ref: 5	10/08/2022	22	Roosting around the Island.	N/A	N/A
P01704	Breeding	ref: 9	10/08/2022	185	Roosting around the Island.	N/A	N/A
P01706	Breeding	ref: 4	10/08/2022	4	Flying over	N/A	N/A
P01715	Breeding	Rhynmount Bog.	11/08/2022	1	Flying over	N/A	N/A
P01718	Breeding	ref: 15	11/08/2022	4	Flying over	N/A	N/A
P01719	Breeding	ref: 20	11/08/2022	2	Flying over.	N/A	N/A
P01720	Breeding	ref: 11	23/08/2022	3	Flying over.	N/A	N/A
P01805	Breeding	Ref No: 5	13/09/2022	3	Flying over	N/A	N/A
P01958	Non-breeding	Ref No 5	08/11/2022	1	Flyover	N/A	N/A
P01961	Non-breeding	Ref No 9	08/11/2022	1	Flyover	N/A	N/A
P02000	Non-breeding	Site 23	27/11/2022	9	All gulls (LB,BH and CM) walking in flooded fields, feeding, preening, loafing around and occasionally flying from one part of field to another	N/A	N/A
P02291	Non-breeding	Site 4 Turlough	25/02/2023	2	N/A	N/A	N/A
P02293	Non-breeding	Site 4 Turlough	25/02/2023	8	A few swimming but 5/6 usually feeding on grass or just standing around	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02362	Non-breeding	Site 4 Turlough	25/02/2023	2	N/A	N/A	N/A
P02364	Non-breeding	Site 4 Turlough	25/02/2023	8	A few swimming but 5/6 usually feeding on grass or just standing around	N/A	N/A
P02445	Non-breeding	Ref No 9	03/03/2023	20	Roosting on island.	N/A	N/A
P02389	Non-breeding	Site 23, Stewart Family Farm	23/03/2023	4	1 on ground and 3 flying	N/A	N/A
P02406	Non-breeding	East of Location 4	24/03/2023	3	On field posts	N/A	N/A
P04170	Breeding	Gortgallan Bog	14/04/2023	3	Roosting.	N/A	N/A
P04276	Breeding	Lough Ree	27/04/2023	10	10 LB gulls feeding	H	Possible
P04278	Breeding	Lough Ree	27/04/2023	350	350 Lesser -black Backed Gulls breeding on small island	ON	Confirmed
P04345	Breeding	Ref No: 12	03/05/2023	7	Roosting	H	Possible
P04417	Breeding	5 KM radius	26/05/2023	500	Nesting colony of 500 LB gulls on island in lake	ON	Confirmed
P04496	Breeding	Gortgallan Bog	02/06/2023	22	Roosting	H	Possible
P04512	Breeding	Lough Ree	09/06/2023	500	Nesting colony of 500 LB gulls on island in lake	ON	Confirmed
P04625	Breeding	Gortgallan Bog	07/07/2023	12	Roosting	N/A	N/A
P04627	Breeding	Ref No: 8	07/07/2023	2	Roosting	N/A	N/A
P04640	Breeding	Lough Ree	19/07/2023	500	Adults and immatures seen at breeding colony.	FL	Confirmed

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04640	Breeding	Lough Ree	19/07/2023	500	Adults and immatures seen at breeding colony.	FL	Confirmed
P04748	Breeding	Lough Ree	10/08/2023	35	200 LB Gulls on Lough Ree	N/A	N/A
P06786	Non-breeding	Gortgallan Bog	07/03/2024	4	Roosting	N/A	N/A
P04952	Breeding	Ref No:9	15/04/2024	2	Roosting.	N/A	N/A
P04955	Breeding	Ref No:11	15/04/2024	4	Roosting.	N/A	N/A
P05101	Breeding	Ref No:4	10/05/2024	4	Roosting.	N/A	N/A
P05178	Breeding	2KM Buffer	15/05/2024	2	2 LB Gulls took flight from wetland	N/A	N/A
P05180	Breeding	2KM Buffer	15/05/2024	11	11 LB Gulls took flight from flooded bog	H	Possible
P05290	Breeding	Ref No:3	07/06/2024	6	Roosting.	N/A	N/A
P05291	Breeding	Ref No:4	07/06/2024	3	Roosting.	N/A	N/A
P05295	Breeding	Ref No:5	07/06/2024	7	Roosting.	N/A	N/A
P05299	Breeding	Ref No:7	07/06/2024	10	Roosting.	N/A	N/A
P05306	Breeding	Ref No:10	11/06/2024	16	Roosting.	N/A	N/A
P05455	Breeding	Ref No:1	03/07/2024	5	Roosting.	N/A	N/A
P05463	Breeding	Ref No:3	03/07/2024	6	Roosting.	N/A	N/A
P05465	Breeding	Ref No:4	03/07/2024	2	Roosting.	N/A	N/A
P05468	Breeding	Ref No:6	03/07/2024	3	Roosting.	N/A	N/A
P05469	Breeding	Ref No:7	03/07/2024	5	Roosting.	N/A	N/A
P05476	Breeding	Ref No:10	05/07/2024	13	Roosting.	N/A	N/A
P05546	Breeding	2KM Buffer	30/07/2024	4	4 Lesser Black-backed Gull took fligft from wetland.	N/A	N/A
P05596	Breeding	Ref No:1	08/08/2024	4	Roosting.	N/A	N/A
P05602	Breeding	Ref No:3	08/08/2024	12	Roosting.	N/A	N/A
P05604	Breeding	Ref No:4	08/08/2024	4	Roosting.	N/A	N/A
P05605	Breeding	Ref No:5	08/08/2024	7	Roosting.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05609	Breeding	Ref No:7	08/08/2024	16	Roosting.	N/A	N/A
P05614	Breeding	Ref No:9	09/08/2024	4	Roosting.	N/A	N/A
P05616	Breeding	Ref No:10	09/08/2024	9	Roosting.	N/A	N/A
P05759	Breeding	Ref No:3	02/09/2024	6	Roosting.	N/A	N/A
P05769	Breeding	Ref No:9	06/09/2024	6	Roosting.	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00071	Breeding	T4	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00078	Breeding	T7	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00095	Breeding	T10	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00113	Breeding	T16	13/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00102	Breeding	T11	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00114	Breeding	T18	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00116	Breeding	T18	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00117	Breeding	T18	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00121	Breeding	T19	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00128	Breeding	T20	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00134	Breeding	T1	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00143	Breeding	T3	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00145	Breeding	T3	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00146	Breeding	T3	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00149	Breeding	T3	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00150	Breeding	T3	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00153	Breeding	T3	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00154	Breeding	T3	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00159	Breeding	T4	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00160	Breeding	T4	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00161	Breeding	T4	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00163	Breeding	T4	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00165	Breeding	T5	11/06/2021	N/A	1	N/A	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00167	Breeding	T5	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00168	Breeding	T5	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00171	Breeding	T5	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00172	Breeding	T5	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00175	Breeding	T5	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00176	Breeding	T5	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00177	Breeding	T7	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00178	Breeding	T7	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00193	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00200	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00205	Breeding	T11	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00209	Breeding	T11	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00213	Breeding	T11	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00217	Breeding	T12	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00220	Breeding	T15	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00221	Breeding	T15	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00224	Breeding	T16	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00137	Breeding	T2	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00139	Breeding	T2	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00141	Breeding	T2	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00225	Breeding	T17	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00226	Breeding	T18	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00228	Breeding	T18	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00230	Breeding	T18	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00232	Breeding	T18	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00233	Breeding	T18	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00240	Breeding	T20	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00243	Breeding	T20	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00244	Breeding	T21	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P01011	Breeding	T19	11/04/2022	N/A	2	PB4	Flying over	F	Non-Breeding
P01013	Breeding	T15	12/04/2022	N/A	2	PB4	Flying over	F	Non-Breeding
P01022	Breeding	T18	19/04/2022	N/A	2	PB4	Flying over	F	Non-Breeding
P01028	Breeding	T13	19/04/2022	N/A	3	PB4	Flying over	F	Non-Breeding

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01038	Breeding	T11	20/04/2022	N/A	4	PB4	Seen grounded around flooded area.	N/A	N/A
P01234	Breeding	T13	10/05/2022	N/A	7	PB4	Roosting	N/A	N/A
P01252	Breeding	T11	12/05/2022	N/A	4	PB4	Flying over	F	Non-Breeding
P01254	Breeding	T12	12/05/2022	N/A	6	PB4	Flying over	F	Non-Breeding
P01268	Breeding	T10	13/05/2022	N/A	6	PB4	Flying over	F	Non-Breeding
P01285	Breeding	T7	19/05/2022	N/A	11	PB4	Flying over	F	Non-Breeding
P01377	Breeding	T14	07/06/2022	N/A	3	PB4	Flying over.	F	Non-Breeding
P01386	Breeding	T21	08/06/2022	N/A	4	PB4	Flying over.	F	Non-Breeding
P01389	Breeding	T13	08/06/2022	N/A	4	PB4	Flying over.	F	Non-Breeding
P01396	Breeding	T17	09/06/2022	N/A	3	PB4	Flushed.	N/A	N/A
P01406	Breeding	T20	09/06/2022	N/A	7	PB4	Flying over.	F	Non-Breeding
P01416	Breeding	T11	10/06/2022	N/A	5	PB4	Flying over.	F	Non-Breeding
P01419	Breeding	T12	10/06/2022	N/A	5	PB4	Flying over.	F	Non-Breeding
P01426	Breeding	T10	14/06/2022	N/A	12	PB4	Flying over.	F	Non-Breeding
P01440	Breeding	T7	17/06/2022	N/A	12	PB4	Flying over.	F	Non-Breeding
P01444	Breeding	T6	17/06/2022	N/A	4	PB4	Flying over.	F	Non-Breeding
P01446	Breeding	T3	17/06/2022	N/A	5	GM1	Flying over.	F	Non-Breeding
P01496	Breeding	T14	05/07/2022	N/A	5	PB4	Flying over	F	Non-Breeding
P01508	Breeding	T13	06/07/2022	N/A	54	PB4	Roosting	N/A	N/A
P01513	Breeding	T21	06/07/2022	N/A	2	PB4	Flying over	F	Non-Breeding
P01523	Breeding	T11	07/07/2022	N/A	7	PB4	Flying over	F	Non-Breeding
P01527	Breeding	T12	07/07/2022	N/A	6	PB4	Flying over	F	Non-Breeding
P01546	Breeding	T20	12/07/2022	N/A	19	PB4	Flying over	F	Non-Breeding
P01552	Breeding	T17	12/07/2022	N/A	5	PB4	Flying over	F	Non-Breeding
P01555	Breeding	T18	13/07/2022	N/A	12	PB4	Flying over	F	Non-Breeding
P01557	Breeding	T7	14/07/2022	N/A	4	PB4	Flying over	F	Non-Breeding
P01563	Breeding	T6	14/07/2022	N/A	7	PB4	Flying over	F	Non-Breeding
P01643	Breeding	T14	05/08/2022	N/A	3	PB4	Flying over	N/A	N/A
P01645	Breeding	T15	05/08/2022	N/A	4	PB4	Flying over	N/A	N/A
P01649	Breeding	T19	05/08/2022	N/A	1	PB4	Flying over	N/A	N/A
P01651	Breeding	T13	08/08/2022	N/A	2	PB4	Flying over	N/A	N/A
P01664	Breeding	T20	09/08/2022	N/A	4	PB4	Flying over	N/A	N/A
P01679	Breeding	T18	11/08/2022	N/A	2	PB4	Flying over	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01681	Breeding	T21	11/08/2022	N/A	1	PB4	Flying over	N/A	N/A
P01686	Breeding	T8	17/08/2022	N/A	3	PB4	Flying over	N/A	N/A
P01744	Breeding	T15	05/09/2022	N/A	7	PB4	Flying over	N/A	N/A
P01751	Breeding	T13	08/09/2022	N/A	1	PB4	Flying over	N/A	N/A
P01752	Breeding	T16	08/09/2022	N/A	3	PB4	Flying over	N/A	N/A
P03852	Non-breeding	T17	14/03/2023	10:25	2	PB4	Flyover.	N/A	N/A
P03881	Non-breeding	T11	16/03/2023	09:05	2	PB4	Flyover.	N/A	N/A
P03925	Non-breeding	T20	20/03/2023	10:30	1	PB4	Flyover.	N/A	N/A
P04270	Breeding	T13	26/04/2023	11:20	4	PB4	N/A	H	Possible
P04296	Breeding	T6	04/05/2023	10:00	3	PB4	N/A	F	Non-Breeding
P04406	Breeding	T12	25/05/2023	15:10	7	PB4	N/A	U	Non-Breeding
P04509	Breeding	T21	05/06/2023	17:08	4	PB4	N/A	F	Non-Breeding
P04567	Breeding	T12	28/06/2023	11:05	8	PB4	N/A	H	Possible
P04591	Breeding	T6	07/07/2023	07:15	12	PB4	N/A	H	Possible
P04633	Breeding	T12	12/07/2023	14:55	4	PB4	N/A	F	Non-Breeding
P04705	Breeding	T5	02/08/2023	13:40	3	PB4	N/A	N/A	N/A
P04709	Breeding	T6	03/08/2023	08:40	5	PB4	N/A	N/A	N/A
P04738	Breeding	T11	08/08/2023	16:21	1	PB4	N/A	N/A	N/A
P06041	Non-breeding	3	06/03/2024	11:10	4	GS4	N/A	N/A	N/A
P06088	Non-breeding	T17	06/03/2024	15:45	4	PB4	N/A	N/A	N/A
P05010	Breeding	Transect 17	09/04/2024	14:12	32	pb4	N/A	P	Probable
P05140	Breeding	T17	10/05/2024	14:23	10	pb4	N/A	N/A	N/A
P05416	Breeding	T21	01/07/2024	11:00	8	PB4	N/A	N/A	N/A
P05426	Breeding	T20	01/07/2024	12:45	5	PB4	N/A	N/A	N/A
P05440	Breeding	T4	05/07/2024	07:55	1	PB4	N/A	N/A	N/A
P05563	Breeding	T21	01/08/2024	10:40	22	PB4	N/A	N/A	N/A
P05631	Breeding	T15	06/08/2024	15:35	1	PB4	N/A	N/A	N/A
P05576	Breeding	T19	07/08/2024	13:40	4	PB4	N/A	N/A	N/A

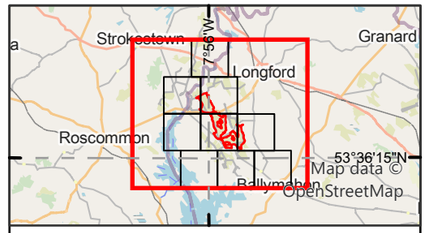
Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00592	Breeding	HHVP8	09/09/2021	1	N/A	N/A
P00641	Breeding	HHVP8	30/09/2021	1	N/A	N/A
P00691	Non-breeding	HHVP8	26/10/2021	1	N/A	N/A

8°2'40"W 7°53'50"W 7°45'0"W

53°45'0"N 53°40'0"N 53°35'0"N

776000 768000 760000

593600 604000 614400



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 1.5 3
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NOTES

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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Lesser Black-backed Gull Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-037.ApX-SUM-LB-TOB-A

Draft: A

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

7°53'50"W

53°45'0"N

604000

776000

Ballytoohey

Cloondara

P01591

P00304, P00369,
P00484, P00550

P01718

P00305, P00371,
P00438,
P00488, P00551

P04345

P00295,
P00364

P00430

P01107, P01719

P01300

L1462

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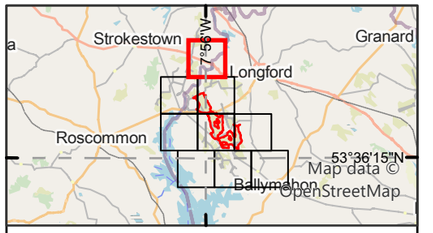

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-21
- Breeding-22
- Breeding-23

*should be read with data in Appendix 8.3

0 0.5 1
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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Lesser Black-backed Gull
Sheet 1 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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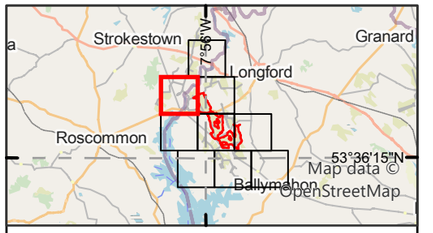
Map Ref: 11399-037.ApX-SUM-LB-TOB-A

Draft: A

8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Lesser Black-backed Gull
Sheet 2 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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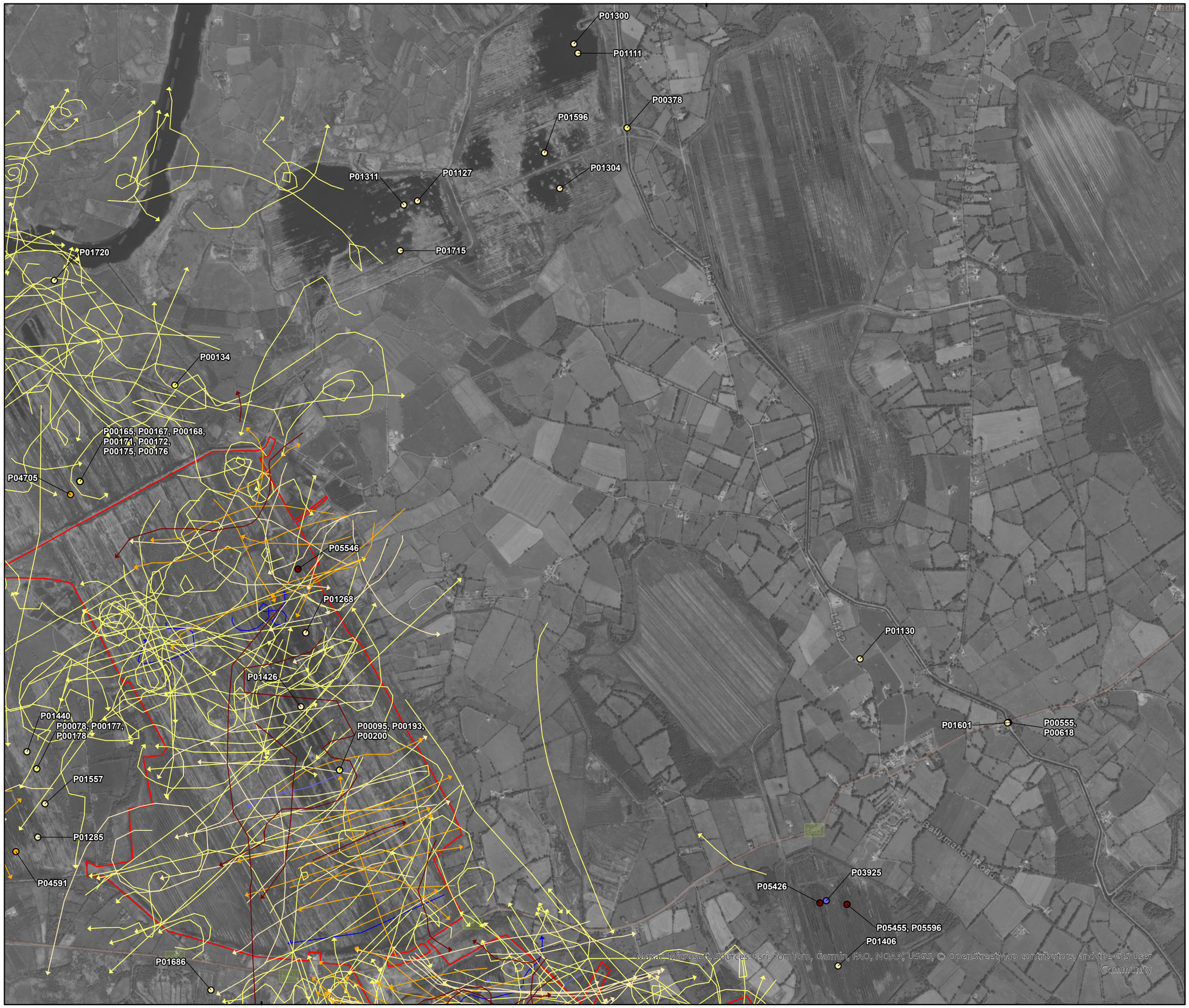
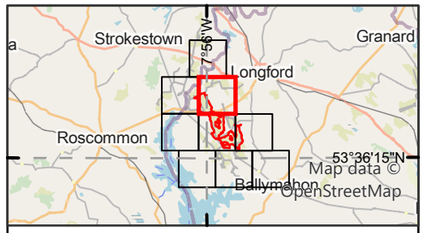
Map Ref: 11399-037.ApX-SUM-LB-TOB-A

Draft: A

7°53'50"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
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Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Lesser Black-backed Gull
Sheet 3 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-037.ApX-SUM-LB-TOB-A

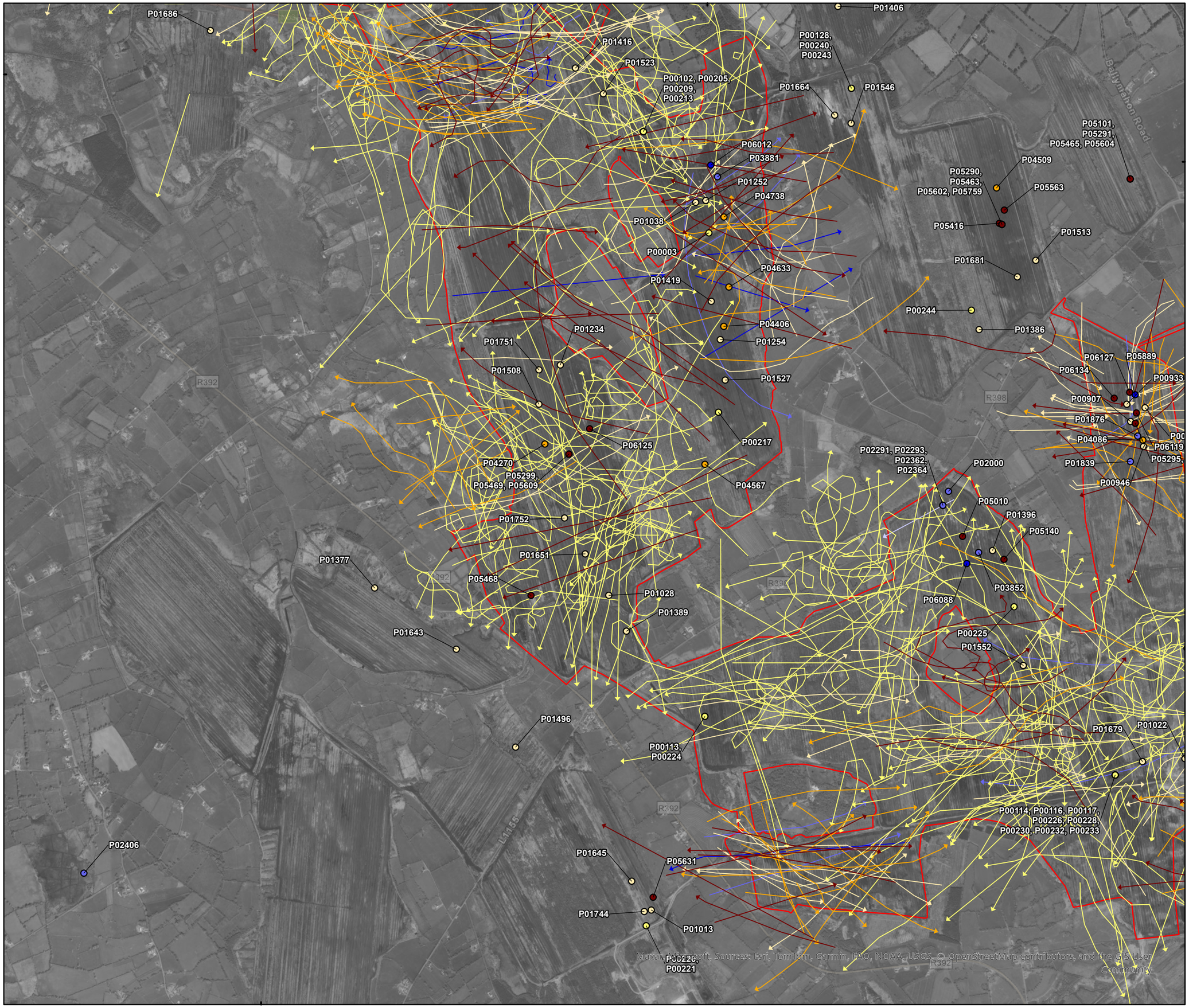
Draft: A

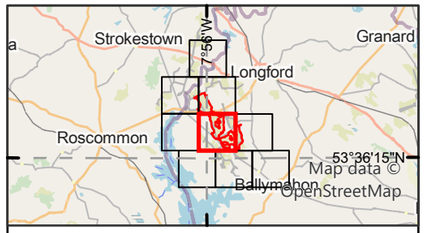
7°53'50"W

53°40'0"N

768000

604000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING\
2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE\
3. ENGINEER TO BE INFORMED OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES\
4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Lesser Black-backed Gull Sheet 4 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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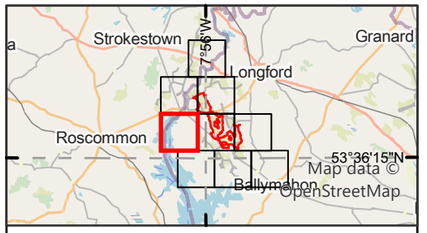
Draft: A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-21
- Breeding-22
- Breeding-23
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Breeding-21
- Breeding-22

*should be read with data in Appendix 8.3

0 0.5 1
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NOTES

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Lesser Black-backed Gull
Sheet 5 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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Map Ref: 11399-037.ApX-SUM-LB-TOB-A

Draft: A

7°53'50"W

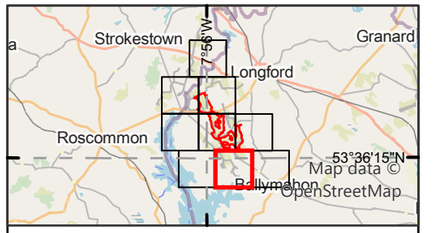
53°35'0"N

760000

P01649
P01011
P00121
P01296
P04955
P04952,
P05614, P05769
P05306,
P05476,
P05616
P01483

R392
L5236
Estate Road
Fas Road
Derrymacar
Lough

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



Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-21
- Breeding-22
- Breeding-24

Flightline observations - Seasons

- Breeding-21
- Breeding-23

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Lesser Black-backed Gull
Sheet 6 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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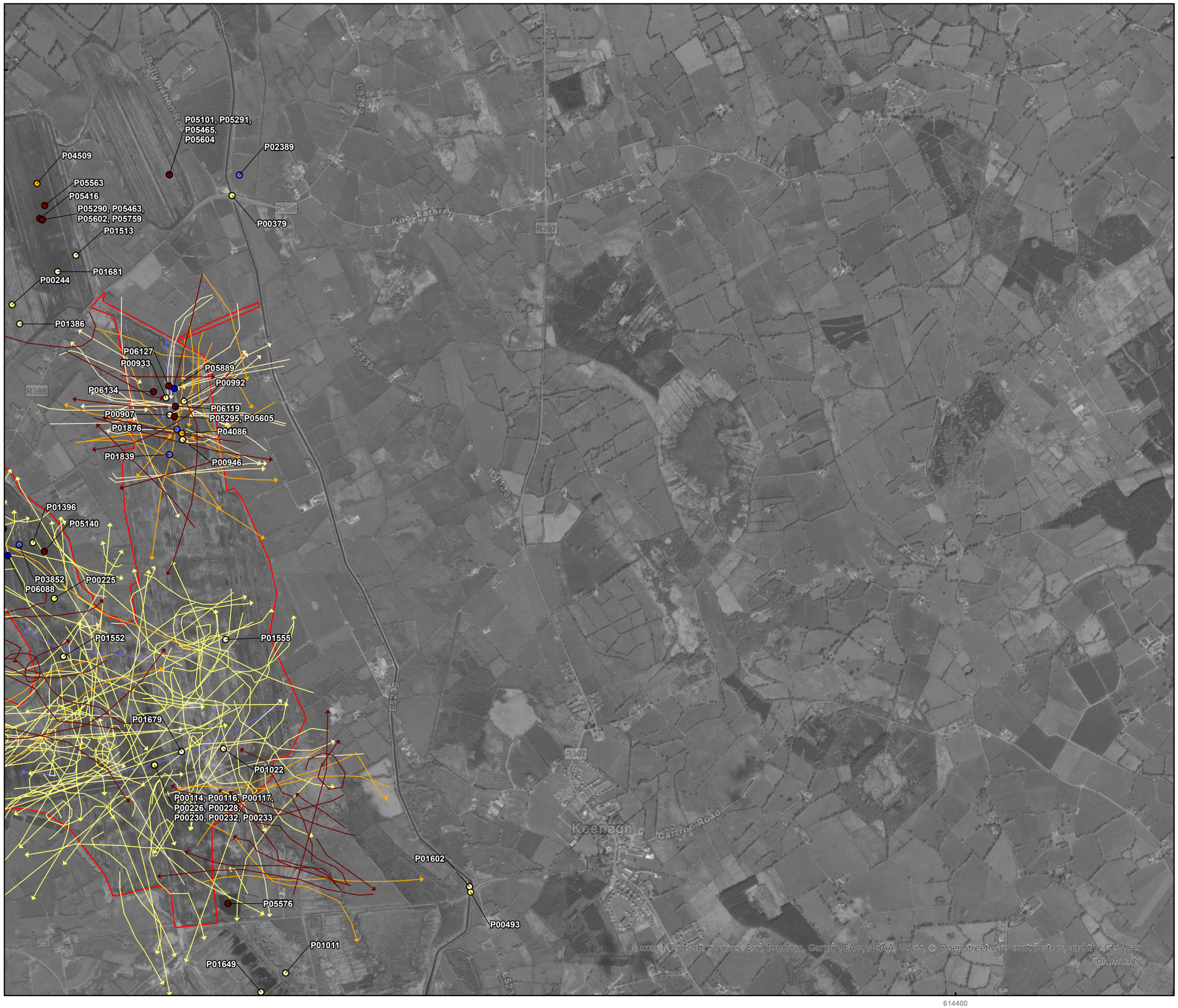

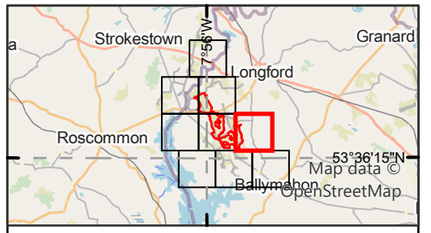

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-22/23
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Lesser Black-backed Gull
Sheet 7 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-037.ApX-SUM-LB-TOB-A

Draft: A

7°45'0"W

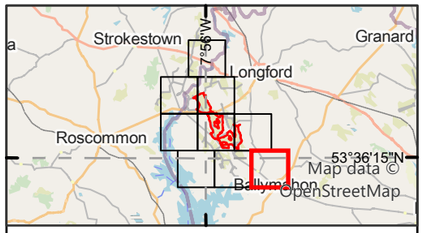
53°36'15"N

53°3'0"N

760000

614400





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-21
- Breeding-22

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Lesser Black-backed Gull
Sheet 8 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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Map Ref: 11399-037.ApX-SUM-LB-TOB-A

Draft: A

Appendix 8.3kk LITTLE EGRET

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP2	29/04/2021	11:20	1	32	0	0	0	0
Breeding	VP2	29/04/2021	11:45	1	38	0	0	0	0
Breeding	VP2	29/04/2021	15:58	2	45	0	0	0	0
Breeding	VP3	04/05/2021	07:31	2	147	43	0	0	0
Breeding	VP3	04/05/2021	08:08	2	7	0	0	0	0
Breeding	VP3	04/05/2021	15:49	1	3	0	0	0	0
Breeding	VP3	04/05/2021	16:07	2	24	0	0	0	0
Breeding	VP3	04/05/2021	17:23	1	2	0	0	0	0
Breeding	VP3	04/05/2021	17:59	1	22	201	0	0	0
Breeding	VP4	05/05/2021	08:34	1	0	12	0	0	0
Breeding	VP4	05/05/2021	08:55	1	0	40	0	0	0
Breeding	VP4	05/05/2021	09:22	1	28	0	0	0	0
Breeding	VP4	05/05/2021	09:59	1	11	59	0	0	0
Breeding	VP4	05/05/2021	14:01	1	34	0	0	0	0
Breeding	VP4	05/05/2021	15:17	1	7	19	102	0	0
Breeding	VP4	05/05/2021	12:59	3	33	0	0	0	0
Breeding	VP5	05/05/2021	16:49	1	17	0	0	0	0
Breeding	VP5	05/05/2021	17:46	4	88	0	0	0	0
Breeding	VP5	05/05/2021	18:25	12	125	0	0	0	0
Breeding	VP5	06/05/2021	09:05	4	4	20	0	0	0
Breeding	VP5	06/05/2021	10:38	1	23	0	0	0	0
Breeding	VP6	07/05/2021	10:34	1	0	81	0	0	0
Breeding	VP6	07/05/2021	10:56	4	21	204	0	0	0
Breeding	VP6	07/05/2021	14:22	1	161	0	0	0	0
Breeding	VP6	07/05/2021	15:28	1	73	0	0	0	0
Breeding	VP7	11/05/2021	16:08	1	6	0	0	0	0
Breeding	VP8	11/05/2021	19:41	3	0	0	122	0	0
Breeding	VP8	19/05/2021	12:47	2	0	0	189	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP8	19/05/2021	13:09	1	0	44	0	0	0
Breeding	VP9	21/05/2021	10:44	1	0	136	0	0	0
Breeding	VP10	22/05/2021	16:10	1	12	0	0	0	0
Breeding	VP2	31/05/2021	09:16	1	12	33	0	0	0
Breeding	VP2	31/05/2021	11:18	1	0	42	0	0	0
Breeding	VP1	01/06/2021	12:10	1	0	64	0	0	0
Breeding	VP3	01/06/2021	19:25	1	24	0	0	0	0
Breeding	VP3	02/06/2021	15:35	1	0	94	0	0	0
Breeding	VP4	10/06/2021	19:51	1	0	45	88	0	0
Breeding	VP5	16/06/2021	14:15	1	4	0	0	0	0
Breeding	VP5	16/06/2021	15:14	1	110	0	0	0	0
Breeding	VP5	16/06/2021	20:00	1	10	0	0	0	0
Breeding	VP8	23/06/2021	11:45	1	0	0	73	0	0
Breeding	VP5	27/07/2021	11:12	1	5	10	63	0	0
Breeding	VP5	27/07/2021	17:11	1	9	35	0	0	0
Breeding	VP2	28/07/2021	11:09	2	11	42	0	0	0
Breeding	VP2	28/07/2021	15:19	1	21	0	0	0	0
Breeding	VP9	03/08/2021	11:27	1	26	52	0	0	0
Breeding	VP9	03/08/2021	15:35	1	33	100	0	0	0
Breeding	VP4	13/08/2021	11:58	1	7	100	0	0	0
Breeding	VP4	13/08/2021	12:45	1	19	0	0	0	0
Breeding	VP4	13/08/2021	16:54	1	10	0	0	0	0
Breeding	VP10	19/08/2021	18:52	1	0	77	0	0	0
Breeding	VP10	20/08/2021	09:44	1	15	0	0	0	0
Breeding	VP10	20/08/2021	10:49	3	43	0	0	0	0
Breeding	VP5	02/09/2021	17:30	2	0	15	0	0	0
Breeding	VP5	03/09/2021	09:46	1	27	0	0	0	0
Breeding	VP4	07/09/2021	13:06	1	12	40	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP4	07/09/2021	18:41	1	23	0	0	0	0
Breeding	VP10	13/09/2021	16:40	2	44	0	0	0	0
Breeding	VP10	13/09/2021	18:44	1	23	0	0	0	0
Breeding	VP10	14/09/2021	09:20	1	24	0	0	0	0
Breeding	VP4	23/09/2021	10:29	1	22	0	0	0	0
Breeding	VP4	23/09/2021	11:26	1	6	0	0	0	0
Breeding	VP4	23/09/2021	15:09	1	35	0	0	0	0
Non-breeding	VP5	01/10/2021	16:10	1	36	0	0	0	0
Non-breeding	VP4	02/10/2021	09:29	1	34	0	0	0	0
Non-breeding	VP4	02/10/2021	12:06	1	35	0	0	0	0
Non-breeding	VP9	02/11/2021	10:01	1	33	0	0	0	0
Non-breeding	VP10	18/11/2021	11:09	1	13	0	0	0	0
Non-breeding	VP5	26/11/2021	12:58	1	0	30	0	0	0
Non-breeding	VP6	02/12/2021	14:39	1	65	0	0	0	0
Non-breeding	VP3	13/12/2021	11:56	1	60	0	0	0	0
Non-breeding	VP3	13/12/2021	13:31	1	30	30	0	0	0
Non-breeding	VP5	14/12/2021	13:56	1	5	21	0	0	0
Non-breeding	VP5	14/12/2021	10:27	1	5	10	60	0	0
Non-breeding	VP5	14/12/2021	10:40	1	5	20	0	0	0
Non-breeding	VP7	15/12/2021	10:39	1	0	20	0	0	0
Non-breeding	VP7	15/12/2021	14:07	2	10	0	0	0	0
Non-breeding	VP6	16/12/2021	09:47	2	10	0	0	0	0
Non-breeding	VP6	16/12/2021	10:33	1	10	0	0	0	0
Non-breeding	VP9	16/12/2021	10:28	1	3	12	0	0	0
Non-breeding	VP10	27/12/2021	10:43	1	13	0	0	0	0
Non-breeding	VP2	17/01/2022	11:33	1	0	30	0	0	0
Non-breeding	VP10	17/01/2022	11:24	1	6	8	0	0	0
Non-breeding	VP4	24/01/2022	10:03	1	20	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP4	24/01/2022	11:33	1	20	20	0	0	0
Non-breeding	VP6	25/02/2022	14:14	1	5	37	0	0	0
Non-breeding	VP4	28/02/2022	12:05	1	0	10	0	0	0
Non-breeding	VP5	15/03/2022	10:56	1	0	20	0	0	0
Non-breeding	VP5	15/03/2022	10:57	4	0	30	0	0	0
Non-breeding	VP3	16/03/2022	09:51	11	0	30	0	0	0
Breeding	VP 2	13/04/2022	15:13	1	10	0	0	0	0
Breeding	VP 3	14/04/2022	07:30	3	0	0	35	0	0
Breeding	VP 4	15/04/2022	08:12	2	10	75	0	0	0
Breeding	VP 5	20/04/2022	15:26	1	15	25	0	0	0
Breeding	VP 4	03/05/2022	20:09	3	15	50	0	0	0
Breeding	VP8	09/05/2022	19:42	1	0	35	0	0	0
Breeding	VP9	11/05/2022	17:24	1	35	0	0	0	0
Breeding	VP9	11/05/2022	19:42	1	32	0	0	0	0
Breeding	VP 4	27/06/2022	15:20	2	10	25	0	0	0
Breeding	VP 5	28/06/2022	15:12	1	10	30	0	0	0
Breeding	VP10	05/08/2022	12:55	1	30	0	0	0	0
Breeding	VP 5	29/09/2022	09:11	1	25	0	0	0	0
Non-breeding	VP5	12/10/2022	11:08	2	8	0	0	0	0
Non-breeding	VP6	18/10/2022	10:36	1	8	0	0	0	0
Non-breeding	VP4	13/11/2022	12:50	1	3	0	0	0	0
Non-breeding	VP2	18/11/2022	09:46	8	0	0	0	0	0
Non-breeding	VP5	28/11/2022	10:35	1	3	0	0	0	0
Non-breeding	VP10	01/12/2022	09:51	1	15	0	0	0	0
Non-breeding	VP5	30/12/2022	10:50	1	7	0	0	0	0
Non-breeding	VP5	30/12/2022	09:55	1	4	0	0	0	0
Non-breeding	VP9	16/01/2023	09:15	1	25	0	0	0	0
Non-breeding	VP9	16/01/2023	09:55	1	10	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP5	20/01/2023	14:57	1	6	0	0	0	0
Non-breeding	VP5	24/02/2023	09:12	5	5	0	0	0	0
Non-breeding	VP5	29/03/2023	09:50	3	3	0	0	0	0
Non-breeding	VP5	29/03/2023	14:03	2	4	0	0	0	0
Breeding	VP5	20/05/2023	16:15	1	35	0	0	0	0
Breeding	VP2	15/06/2023	11:32	1	20	0	0	0	0
Breeding	VP2	14/08/2023	16:02	2	30	0	0	0	0
Non-breeding	VP6	03/11/2023	13:40	1	0	0	215	0	0
Non-breeding	VP5	09/11/2023	09:45	1	3	0	0	0	0
Non-breeding	VP5	09/11/2023	09:45	4	5	0	0	0	0
Non-breeding	VP10	04/12/2023	13:30	1	10	20	0	0	0
Non-breeding	VP5	19/12/2023	09:56	1	4	0	0	0	0
Non-breeding	VP5	19/12/2023	14:21	2	6	0	0	0	0
Non-breeding	VP4	06/01/2024	12:11	2	5	0	0	0	0
Non-breeding	VP8	08/01/2024	15:20	1	35	0	0	0	0
Non-breeding	VP5	17/01/2024	10:21	5	8	0	0	0	0
Non-breeding	VP7	06/03/2024	08:55	1	15	0	0	0	0
Breeding	VP1	09/05/2024	10:40	1	5	0	0	0	0
Breeding	VP4	22/05/2024	11:05	1	11	4	0	0	0
Breeding	VP5	28/05/2024	10:55	1	4	0	0	0	0
Breeding	VP5	28/05/2024	16:30	1	10	0	0	0	0
Breeding	VP2	25/08/2024	12:01	3	12	0	0	0	0
Breeding	VP4	24/09/2024	09:30	1	4	0	0	0	0
Breeding	VP4	24/09/2024	10:26	2	5	4	0	0	0
Breeding	VP5	26/09/2024	09:54	2	7	0	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00917	Breeding	VP5	20/04/2022	15:28	1	pb4	Feeding	N/A	N/A
P00963	Breeding	VP10	07/07/2022	14:05	1	PB4	Foraging	N/A	N/A
P00985	Breeding	VP5	23/08/2022	16:06	1	pb4	feeding	N/A	N/A
P01835	Non-breeding	VP10	10/10/2022	09:35	1	PB4	Foraging.	N/A	N/A
P01836	Non-breeding	VP10	10/10/2022	12:10	1	PB4	Foraging.	N/A	N/A
P01840	Non-breeding	VP10	04/11/2022	09:00	2	PB4	Foraging.	N/A	N/A
P01851	Non-breeding	VP10	09/01/2023	10:45	1	PB4	Foraging.	N/A	N/A
P01883	Non-breeding	VP7	08/03/2023	13:20	3	PB4	Foraging.	N/A	N/A
P04082	Breeding	VP4	06/04/2023	18:50	1	N/A	Foraging	N/A	N/A
P04110	Breeding	VP5	20/05/2023	16:16	1	N/A	Feeding	N/A	N/A
P04100	Breeding	VP4	24/05/2023	06:05	3	N/A	Foraging	N/A	N/A
P04116	Breeding	VP4	08/06/2023	17:10	2	N/A	Foraging	N/A	N/A
P04144	Breeding	VP5	11/08/2023	08:38	1	N/A	feeding	N/A	N/A
P05863	Non-breeding	VP10	02/11/2023	09:45	1	N/A	Foraging.	N/A	N/A
P05876	Non-breeding	VP10	01/02/2024	08:30	1	N/A	Perched	N/A	N/A
P06133	Breeding	VP6	03/09/2024	07:40	2	N/A	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P00007	Breeding	N/A	21/05/2021	2	N/A	N/A	N/A
P01074	Breeding	New site	19/04/2022	1	Foraging at the side of lake.	N/A	N/A
P01333	Breeding	Ref: 4	12/05/2022	4	Foraging on field.	N/A	N/A
P01578	Breeding	ref: 9	06/07/2022	2	Foraging around the shoreline of island.	N/A	N/A
P01587	Breeding	ref: 8	11/07/2022	1	Roosting around the shoreline.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01810	Breeding	Rhynmount Bog.	14/09/2022	1	Foraging around the wetland.	N/A	N/A
P01915	Non-breeding	Ref No 5	13/10/2022	1	Roosting around shore-line.	N/A	N/A
P01936	Non-breeding	Lough at Corlea	27/10/2022	2	Both staning together at side of lough, occassionally moving/feeding	N/A	N/A
P02047	Non-breeding	Ref No 5	07/12/2022	5	Foraging	N/A	N/A
P02127	Non-breeding	Corlea Bog Amenity Walk Southside	27/12/2022	1	Standing but flushed by group of runners	N/A	N/A
P02136	Non-breeding	Corlea Bog Amenity Walk	15/01/2023	1	Standing at waterside, took off and landed to the east, same waterbody	N/A	N/A
P02316	Non-breeding	Corlea Bog Amenity Walk	15/01/2023	1	Standing at waterside, took off and landed to the east, same waterbody	N/A	N/A
P02222	Non-breeding	Ref No 8	03/02/2023	1	Foraging on open water.	N/A	N/A
P02234	Non-breeding	Ref No 5	03/02/2023	7	Roosting around shore-line.	N/A	N/A
P02421	Non-breeding	Ref No 8	03/03/2023	1	Foraging around shore-line.	N/A	N/A
P02442	Non-breeding	Ref No 5	03/03/2023	1	Foraging around shore-line.	N/A	N/A
P02449	Non-breeding	Rhynmount Bog VP1	16/03/2023	1	Roosting	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02459	Non-breeding	Rhynmount Bog VP2	16/03/2023	1	Foraging	N/A	N/A
P04161	Breeding	Ref No 8	14/04/2023	3	Foraging	N/A	N/A
P04173	Breeding	Gortgallan Bog	14/04/2023	1	Foraging	N/A	N/A
P04365	Breeding	Ref No: 8	03/05/2023	1	Foraging.	N/A	N/A
P04424	Breeding	5 KM radius	26/05/2023	1	Little Egret feeding in wetland area	H	Possible
P04471	Breeding	Onsite	02/06/2023	1	Foraging	N/A	N/A
P04519	Breeding	5 KM radius	09/06/2023	2	2 Little Egret feeding in wetland area	H	Possible
P04597	Breeding	Onsite	07/07/2023	7	Foraging	N/A	N/A
P04720	Breeding	Onsite	03/08/2023	3	Foraging	N/A	N/A
P04843	Breeding	Lough Ree	07/09/2023	1	Little Egret at edge of lake	N/A	N/A
P04814	Breeding	Ref No: 8	28/09/2023	1	Foraging	N/A	N/A
P04832	Breeding	Onsite	29/09/2023	1	Foraging	N/A	N/A
P06432	Non-breeding	5	06/10/2023	2	2 Little Egret at lake edge	N/A	N/A
P06373	Non-breeding	Ref No: 10	10/10/2023	2	Foraging	N/A	N/A
P06382	Non-breeding	Ref No: 8	10/10/2023	1	Foraging	N/A	N/A
P06384	Non-breeding	Gortgallan Bog	10/10/2023	3	Foraging	N/A	N/A
P06217	Non-breeding	Onsite	13/11/2023	1	Foraging	N/A	N/A
P06271	Non-breeding	Flooded bog	20/11/2023	1	1 Egret on flooded bog.	N/A	N/A
P06277	Non-breeding	4	20/11/2023	1	Little Egret on turlough	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06305	Non-breeding	4	23/11/2023	1	Little Egret on turlough	N/A	N/A
P06553	Non-breeding	5	06/12/2023	1	Little Egret at lake edge.	N/A	N/A
P06645	Non-breeding	Southern half of site	02/01/2024	2	N/A	N/A	N/A
P06634	Non-breeding	Onsite	12/01/2024	2	N/A	N/A	N/A
P06664	Non-breeding	Southern half of site	25/01/2024	1	N/A	N/A	N/A
P06668	Non-breeding	Southern half of site	26/01/2024	4	N/A	N/A	N/A
P06686	Non-breeding	Gortgallan Bog	06/02/2024	1	N/A	N/A	N/A
P06715	Non-breeding	Onsite	14/02/2024	7	N/A	N/A	N/A
P06812	Non-breeding	Onsite	08/03/2024	2	Foraging	N/A	N/A
P04939	Breeding	Ref No:2	08/04/2024	1	Foraging	N/A	N/A
P04969	Breeding	2 km North of site	17/04/2024	2	2 Little Egrets foraging on wetland	H	Possible
P05160	Breeding	2Km Buffer	14/05/2024	2	2 Little Egrets took flight from wetland	N/A	N/A
P05285	Breeding	Ref No:1	07/06/2024	1	Foraging, adults.	N/A	N/A
P05301	Breeding	Ref No:8	07/06/2024	2	Foraging	N/A	N/A
P05457	Breeding	Ref No:1	03/07/2024	1	Foraging	N/A	N/A
P05598	Breeding	Ref No:1	08/08/2024	1	Foraging	N/A	N/A
P05628	Breeding	Ref No:12	09/08/2024	1	Foraging	N/A	N/A
P05667	Breeding	2 Km buffer	20/08/2024	1	Little Egret took flight from wetland	N/A	N/A
P05673	Breeding	2 Km buffer	20/08/2024	6	6 Little Egrets took flight from wetland	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05693	Breeding	2 km buffer	21/08/2024	1	Little Egret took flight from wetland	N/A	N/A
P05764	Breeding	Ref No:7	02/09/2024	2	Foraging	N/A	N/A
P05788	Breeding	2km buffer	03/09/2024	1	Little Egret took flight from wetland area	N/A	N/A
P05771	Breeding	Ref No:10	06/09/2024	1	Foraging	N/A	N/A
P05779	Breeding	Ref No:11	06/09/2024	1	Foraging	N/A	N/A
P05786	Breeding	Ref No:12	06/09/2024	1	Foraging	N/A	N/A
P05848	Breeding	2km buffer	16/09/2024	1	Little Egret kn wetland	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00083	Breeding	T9	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00086	Breeding	T10	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00090	Breeding	T10	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00105	Breeding	T11	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00108	Breeding	T11	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00110	Breeding	T11	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00120	Breeding	T19	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00212	Breeding	T11	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00214	Breeding	T11	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00135	Breeding	T2	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P01164	Breeding	T5	13/04/2022	10:12	3	pb4	f	F	Non-Breeding
P01048	Breeding	T6	21/04/2022	N/A	1	PB4	Foraging.	N/A	N/A
P01055	Breeding	T7	21/04/2022	N/A	3	PB4	Forraging.	N/A	N/A
P01057	Breeding	T10	22/04/2022	N/A	2	PB4	Foraging.	N/A	N/A
P01063	Breeding	T9	22/04/2022	N/A	1	PB4	Foraging.	N/A	N/A
P01235	Breeding	T16	10/05/2022	N/A	1	PB4	Foraging.	N/A	N/A
P01236	Breeding	T17	11/05/2022	N/A	1	PB4	Foraging.	N/A	N/A
P01247	Breeding	T11	12/05/2022	N/A	2	PB4	Foraging.	N/A	N/A
P01258	Breeding	T10	13/05/2022	N/A	2	PB4	Foraging.	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01267	Breeding	T10	13/05/2022	N/A	1	PB4	Flying over	F	Non-Breeding
P01275	Breeding	T9	13/05/2022	N/A	1	PB4	Flying over	F	Non-Breeding
P01173	Breeding	T5	17/05/2022	07:08	2	pb4	h	H	Possible
P01281	Breeding	T3	19/05/2022	N/A	1	GM1	Flying over	F	Non-Breeding
P01288	Breeding	T7	19/05/2022	N/A	1	PB4	Foraging.	N/A	N/A
P01291	Breeding	T6	19/05/2022	N/A	1	PB4	Flying over	F	Non-Breeding
P01391	Breeding	T13	08/06/2022	N/A	1	PB4	Flying over.	F	Non-Breeding
P01352	Breeding	T5	09/06/2022	11:25	1	pb4	N/A	F	Non-Breeding
P01395	Breeding	T17	09/06/2022	N/A	1	PB4	Foraging.	N/A	N/A
P01410	Breeding	T11	10/06/2022	N/A	2	PB4	Foraging.	N/A	N/A
P01434	Breeding	T9	14/06/2022	N/A	1	PB4	Foraging.	N/A	N/A
P01441	Breeding	T7	17/06/2022	N/A	2	PB4	Flying over.	F	Non-Breeding
P01519	Breeding	T11	07/07/2022	N/A	4	PB4	Foraging	N/A	N/A
P01622	Breeding	T4	08/07/2022	N/A	1	N/A	N/A	F	Non-Breeding
P01627	Breeding	T5	08/07/2022	N/A	2	pb4	N/A	H	Possible
P01538	Breeding	T10	11/07/2022	N/A	1	PB4	Flushed	N/A	N/A
P01550	Breeding	T17	12/07/2022	N/A	1	PB4	Foraging	N/A	N/A
P01559	Breeding	T7	14/07/2022	N/A	1	PB4	Foraging	N/A	N/A
P01760	Breeding	T11	12/09/2022	N/A	2	PB4	Foraging	N/A	N/A
P01770	Breeding	T10	13/09/2022	N/A	1	PB4	Foraging	N/A	N/A
P03223	Non-breeding	T5	03/01/2023	N/A	1	FL8	Standing, Flying	N/A	N/A
P03398	Non-breeding	T11	21/01/2023	N/A	1	PB4	Standing, Flying	N/A	N/A
P03427	Non-breeding	T20	23/01/2023	10:00	1	PB4	Foraging	N/A	N/A
P03712	Non-breeding	T4	05/03/2023	N/A	4	PB4	Fling, loafing	N/A	N/A
P03717	Non-breeding	T5	12/03/2023	N/A	2	PB4	Flew and landed beside water	N/A	N/A
P03887	Non-breeding	T11	16/03/2023	09:10	1	PB4	Foraging	N/A	N/A
P03928	Non-breeding	T20	20/03/2023	10:30	8	PB4	Foraging	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04248	Breeding	T11	13/04/2023	16:35	1	PB4	N/A	H	Possible
P04258	Breeding	T7	25/04/2023	10:27	1	PB4	N/A	H	Possible
P04392	Breeding	T10	23/05/2023	14:06	2	PB4	N/A	P	Probable
P04300	Breeding	T4	24/05/2023	08:20	2	PB4	N/A	N/A	N/A
P04304	Breeding	T4	24/05/2023	08:25	1	PB4	N/A	N/A	N/A
P04312	Breeding	T5	24/05/2023	09:45	1	PB4	N/A	N/A	N/A
P04395	Breeding	T11	25/05/2023	08:35	1	PB4	N/A	H	Possible
P04403	Breeding	T12	25/05/2023	14:55	2	PB4	N/A	H	Possible
P04444	Breeding	T7	30/05/2023	N/A	2	FL1	N/A	H	Possible
P04463	Breeding	T5	21/06/2023	17:20	3	PB4	N/A	N/A	N/A
P04550	Breeding	T10	26/06/2023	16:24	2	PB4	N/A	H	Possible
P04558	Breeding	T11	28/06/2023	09:30	2	PB4	N/A	H	Possible
P04564	Breeding	T12	28/06/2023	10:45	1	FL8	N/A	H	Possible
P04586	Breeding	T5	05/07/2023	14:05	3	PB4	N/A	N/A	N/A
P04636	Breeding	T12	12/07/2023	15:22	5	PB4	N/A	N/A	N/A
P04666	Breeding	T11	25/07/2023	08:20	2	PB4	N/A	N/A	N/A
P04682	Breeding	T18	31/07/2023	09:21	1	PB4	N/A	N/A	N/A
P04693	Breeding	T4	02/08/2023	11:10	1	PB4	N/A	N/A	N/A
P04701	Breeding	T5	02/08/2023	12:15	2	PB4	N/A	N/A	N/A
P04706	Breeding	T6	03/08/2023	08:10	2	PB4	N/A	N/A	N/A
P04765	Breeding	T12	15/08/2023	16:38	1	PB4	N/A	N/A	N/A
P04799	Breeding	T5	25/09/2023	12:30	3	PB4	N/A	N/A	N/A
P06157	Non-breeding	T21	02/11/2023	13:00	1	PB4	Foraging	N/A	N/A
P06178	Non-breeding	T7	09/11/2023	13:55	4	PB4	Flushed by PE.	N/A	N/A
P06238	Non-breeding	T11	21/11/2023	10:25	3	PB4	Feeding	N/A	N/A
P06252	Non-breeding	T10	27/11/2023	12:30	1	PB4	Flight	N/A	N/A
P06255	Non-breeding	T5	27/11/2023	14:41	2	PB4	Feeding	N/A	N/A
P05918	Non-breeding	T5	03/01/2024	09:54	2	PB4	N/A	N/A	N/A

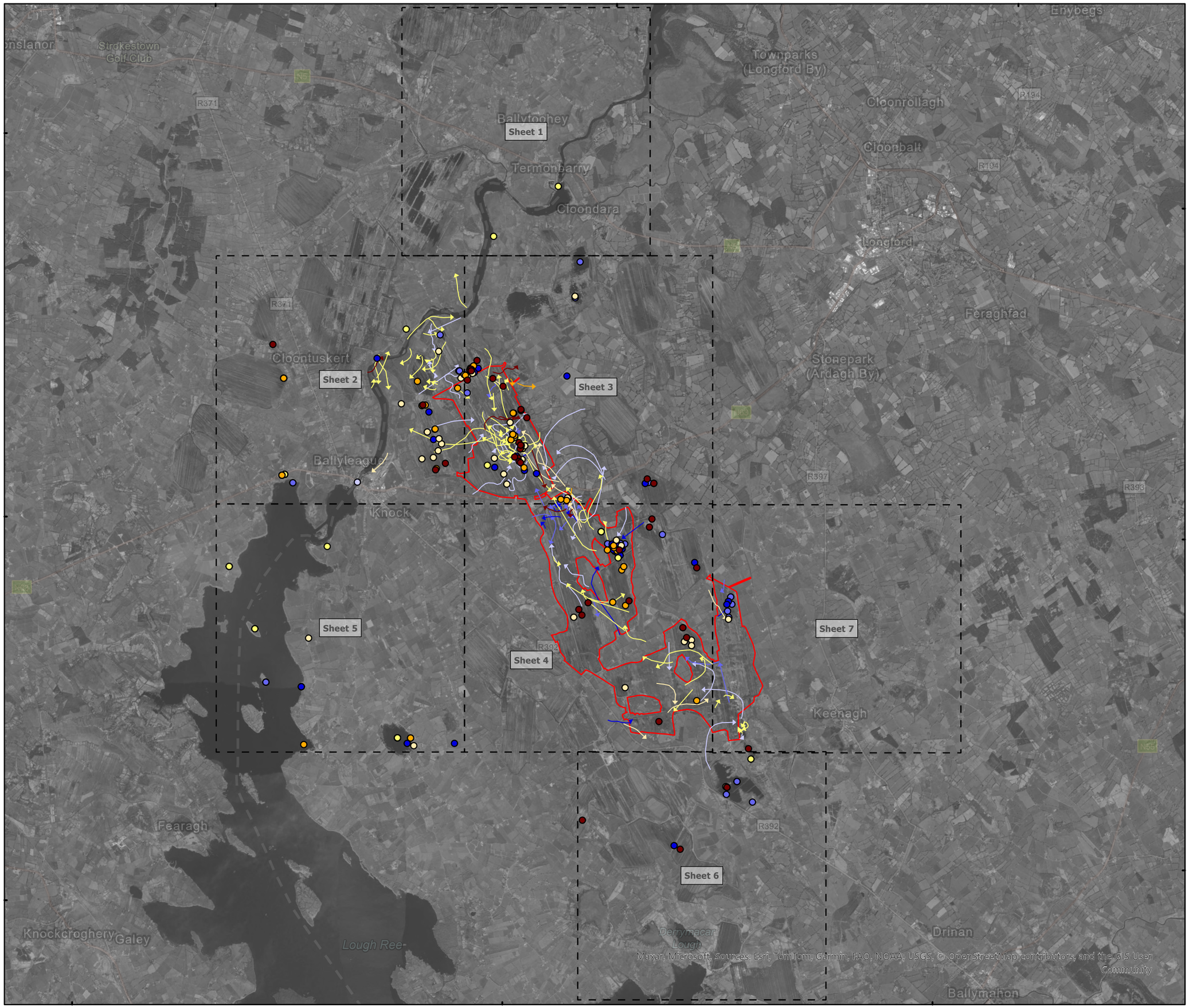
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05936	Non-breeding	T11	10/01/2024	09:20	5	PB4	N/A	N/A	N/A
P05940	Non-breeding	T10	10/01/2024	12:03	1	PB4	N/A	N/A	N/A
P05914	Non-breeding	T9	15/01/2024	12:35	1	PB4	N/A	N/A	N/A
P05990	Non-breeding	T5	20/02/2024	09:45	3	PB4	N/A	N/A	N/A
P06038	Non-breeding	20	05/03/2024	12:20	1	PB4	N/A	N/A	N/A
P06064	Non-breeding	T11	05/03/2024	13:00	4	PB4	N/A	N/A	N/A
P06082	Non-breeding	T10	06/03/2024	10:12	1	PB4	N/A	N/A	N/A
P06054	Non-breeding	7	11/03/2024	14:10	1	PB4	N/A	N/A	N/A
P06093	Non-breeding	T5	13/03/2024	10:46	1	PB4	N/A	N/A	N/A
P04904	Breeding	T6	03/04/2024	16:20	1	PB4	N/A	N/A	N/A
P04986	Breeding	Transect 7	08/04/2024	12:50	1	pb4	N/A	H	Possible
P04989	Breeding	Transect 11	08/04/2024	14:11	2	FL8	N/A	P	Probable
P05033	Breeding	Transect 10	10/04/2024	15:50	1	pb4	N/A	N/A	N/A
P04926	Breeding	T5	15/04/2024	11:00	1	PB4	N/A	N/A	N/A
P05056	Breeding	T20	07/05/2024	09:55	1	PB4	N/A	N/A	N/A
P05082	Breeding	T5	10/05/2024	10:15	2	PB4	N/A	N/A	N/A
P05248	Breeding	T20	05/06/2024	12:30	4	PB4	N/A	N/A	N/A
P05272	Breeding	T5	11/06/2024	10:20	1	PB4	N/A	N/A	N/A
P05391	Breeding	T10	25/06/2024	11:42	1	PB4	N/A	N/A	N/A
P05444	Breeding	T5	05/07/2024	10:10	2	PB4	N/A	N/A	N/A
P05554	Breeding	T13	30/07/2024	12:18	1	PB4	N/A	N/A	N/A
P05636	Breeding	T10	07/08/2024	13:45	5	PB4	N/A	N/A	N/A

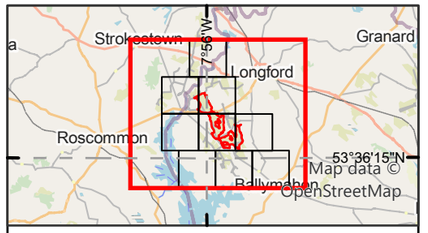
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05655	Breeding	T12	19/08/2024	13:56	1	PB4	N/A	N/A	N/A
P05680	Breeding	T7	20/08/2024	13:26	1	PB4	N/A	N/A	N/A
P05684	Breeding	T17	20/08/2024	15:04	1	PB4	N/A	N/A	N/A
P05713	Breeding	T19	03/09/2024	14:50	1	PB4	N/A	N/A	N/A
P05718	Breeding	T21	04/09/2024	10:10	1	PB4	N/A	N/A	N/A
P05817	Breeding	T10	04/09/2024	16:42	1	PB4	N/A	N/A	N/A
P05827	Breeding	T17	05/09/2024	12:12	1	PB4	N/A	N/A	N/A
P05741	Breeding	T5	06/09/2024	09:45	1	PB4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00251	Breeding	HHVP4	12/05/2021	1	N/A	N/A
P00321	Breeding	HHVP4	12/06/2021	16	N/A	N/A
P00329	Breeding	HHVP5	12/06/2021	7	N/A	N/A
P00338	Breeding	HHVP6	12/06/2021	1	N/A	N/A
P00348	Breeding	HHVP8	12/06/2021	2	N/A	N/A
P00388	Breeding	HHVP4	17/07/2021	6	N/A	N/A
P00412	Breeding	HHVP8	17/07/2021	2	N/A	N/A
P00424	Breeding	HHVP9	17/07/2021	1	N/A	N/A
P00445	Breeding	HHVP4	05/08/2021	4	N/A	N/A
P00465	Breeding	HHVP8	05/08/2021	1	N/A	N/A
P00497	Breeding	HHVP4	14/08/2021	4	N/A	N/A
P00529	Breeding	HHVP9	14/08/2021	2	N/A	N/A
P00545	Breeding	HHVP11	14/08/2021	1	N/A	N/A
P00552	Breeding	HHVP15	14/08/2021	1	N/A	N/A
P00560	Breeding	HHVP4	09/09/2021	1	N/A	N/A
P00574	Breeding	HHVP5	09/09/2021	1	N/A	N/A
P00588	Breeding	HHVP8	09/09/2021	4	N/A	N/A
P00593	Breeding	HHVP9	09/09/2021	3	N/A	N/A
P00623	Breeding	HHVP4	30/09/2021	3	N/A	N/A
P00635	Breeding	HHVP5	30/09/2021	3	N/A	N/A
P00650	Breeding	HHVP8	30/09/2021	2	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00698	Non-breeding	HHVP8	26/10/2021	2	N/A	N/A
P00778	Non-breeding	HHVP8	25/01/2022	2	N/A	N/A
P00784	Non-breeding	HHVP9	25/01/2022	2	N/A	N/A
P00833	Non-breeding	HHVP7	29/03/2022	1	N/A	N/A
P00836	Non-breeding	HHVP8	29/03/2022	2	N/A	N/A
P06227	Non-breeding	6	21/11/2023	1	N/A	N/A
P06463	Non-breeding	HHVP4	22/12/2023	1	N/A	N/A
P06464	Non-breeding	HHVP4	22/12/2023	1	N/A	N/A
P05954	Non-breeding	HHVP4	18/02/2024	10	N/A	N/A
P06015	Non-breeding	4	14/03/2024	2	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P03986	Non-breeding	07/12/2022	1	N/A	N/A
P04000	Non-breeding	12/12/2022	1	N/A	N/A
P04014	Non-breeding	10/01/2023	1	N/A	N/A
P04017	Non-breeding	11/01/2023	1	N/A	N/A
P06142	Breeding	06/07/2024	1	N/A	N/A
P06150	Breeding	11/08/2024	1	N/A	N/A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

0 1.5 3
Kilometres

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A	25/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Little Egret
Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	March 2025

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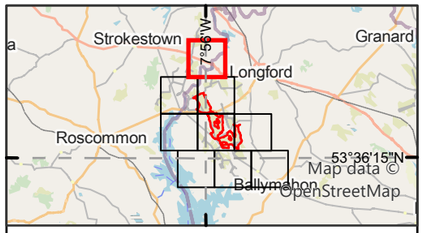

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-21

0 0.5 1
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Title: Flight and non-flight observations
Little Egret
Sheet 1 of 7

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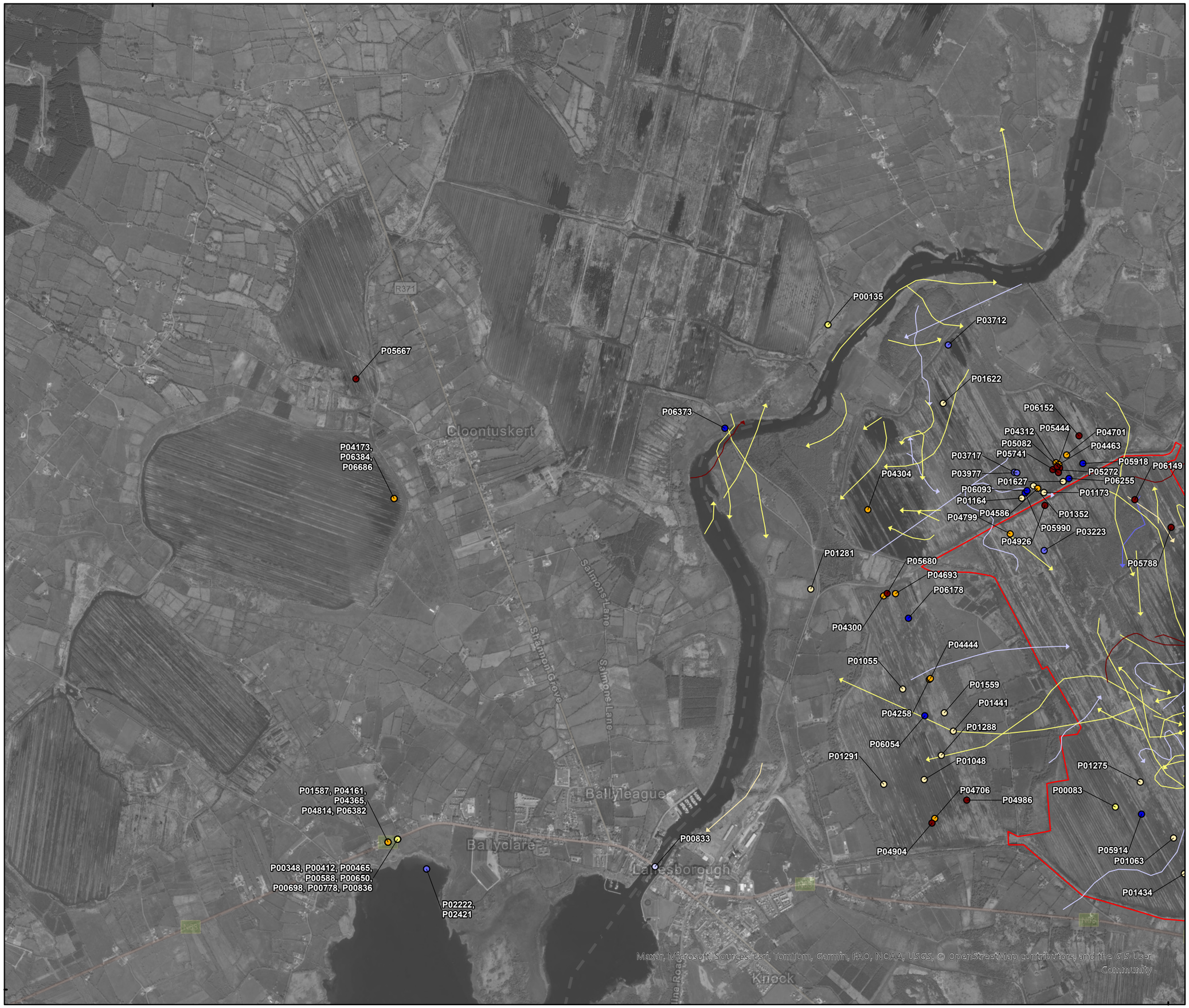
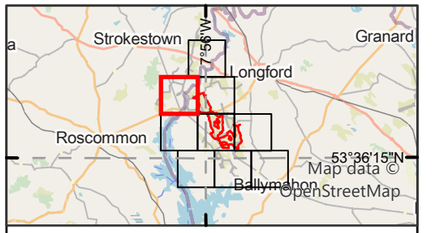
8°2'40"W

53°40'0"N

604000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Breeding-21
- Breeding-22
- Breeding-24

0 0.5 1
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Little Egret
Sheet 2 of 7

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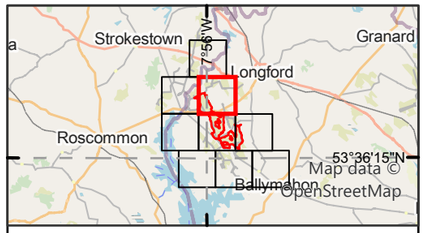
7°53'50"W



53°40'0"N

604000



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

0 0.5 1
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Little Egret
Sheet 3 of 7

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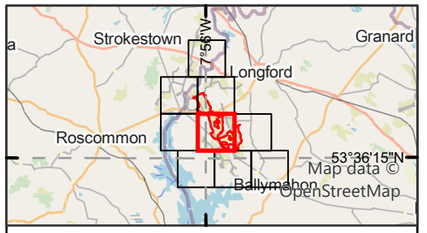

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

0 0.5 1
Kilometres

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Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Little Egret
Sheet 4 of 7

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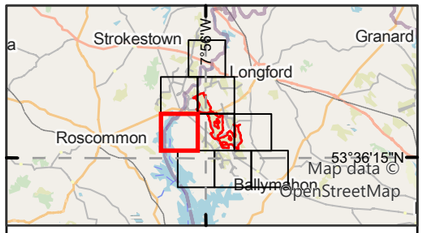
8°2'40"W

53°40'0"N

768000

604000





Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23

Flightline observations - Seasons

- Non-breeding-21/22

0 0.5 1
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Little Egret
Sheet 5 of 7

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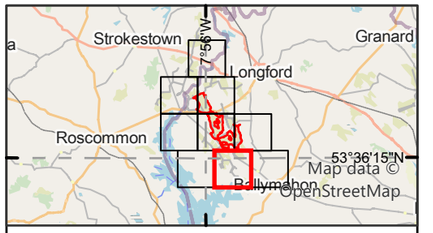

Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Breeding-22

0 0.5 1
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Little Egret
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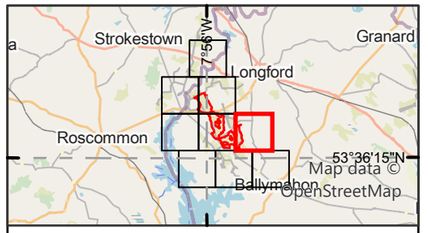

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22

0 0.5 1
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Little Egret
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Appendix 8.3ll LITTLE GREBE

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP7	03/04/2024	13:25	4	0	0	35	0	0
Breeding	VP7	03/04/2024	18:05	6	0	0	40	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00935	Breeding	VP10	12/05/2022	15:20	1	PB4	Swimming	N/A	N/A
P00948	Breeding	VP10	08/06/2022	13:20	2	PB4	Foraging	N/A	N/A
P00958	Breeding	VP10	07/07/2022	10:55	7	PB4	Swimming/ Foraging.	N/A	N/A
P00987	Breeding	VP10	05/08/2022	10:50	3	PB4	Foraging	N/A	N/A
P00988	Breeding	VP10	05/08/2022	10:50	4	PB4	Foraging	N/A	N/A
P00993	Breeding	VP10	05/09/2022	10:40	7	PB4	Foraging	N/A	N/A
P01832	Non-breeding	VP10	10/10/2022	08:00	5	PB4	Foraging.	N/A	N/A
P01847	Non-breeding	VP1	16/12/2022	00:00	1	FW2	Swimming	N/A	N/A
P01858	Non-breeding	VP4	16/01/2023	11:30	1	PB4	On water	N/A	N/A
P01882	Non-breeding	VP7	08/03/2023	13:20	2	PB4	Foraging.	N/A	N/A
P04102	Breeding	VP4	24/05/2023	06:35	2	N/A	Foraging	N/A	N/A
P05865	Non-breeding	VP10	02/11/2023	10:10	1	N/A	Foraging.	N/A	N/A
P06137	Breeding	VP10	07/05/2024	05:20	2	N/A	On nest.	ON	Confirmed
P06111	Breeding	VP10	05/06/2024	07:40	1	N/A	Foraging	N/A	N/A
P06122	Breeding	VP10	01/07/2024	07:40	2	N/A	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01070	Breeding	New site	19/04/2022	3	Male singing and birds seen in suitable nesting habitat	S	Possible
P01090	Breeding	Ref: 4	20/04/2022	5	Suitable nesting habitat	H	Possible
P01119	Breeding	New site	22/04/2022	2	Suitable nesting habitat, calling Male.	S	Possible
P01123	Breeding	New site	22/04/2022	1	Male singing not seen. Suitable nesting habitat.	S	Possible
P01293	Breeding	Corlea Wetlands	05/05/2022	1	Suitable nesting habitat	H	Possible
P01306	Breeding	Rhynmount Bog.	10/05/2022	1	Male calling. heard in suitable habitat.	S	Possible
P01474	Breeding	Rhynmount Bog.	14/06/2022	3	Calling from cover.	S	Possible
P01485	Breeding	Corlea Wetlands	20/06/2022	6	Swimming around wetland.	N/A	N/A
P01583	Breeding	ref: 8	11/07/2022	2	Foraging on open water.	N/A	N/A
P01598	Breeding	Rhynmount Bog.	11/07/2022	1	Male calling from cover.	S	Possible
P01604	Breeding	Corlea Wetlands	14/07/2022	3	Male calling, foraging on open water	S	Possible
P01708	Breeding	Corlea Wetlands	10/08/2022	14	Foraging around the wetland.	N/A	N/A
P01799	Breeding	Ref No: 8	13/09/2022	2	Foraging on lake.	N/A	N/A
P01811	Breeding	Rhynmount Bog.	14/09/2022	1	Calling from cover.	N/A	N/A
P01817	Breeding	Rhynmount Bog.	14/09/2022	1	Swimming around wetland.	N/A	N/A
P01823	Breeding	Corlea Wetlands	14/09/2022	3	Foraging around the wetland.	N/A	N/A
P01898	Non-breeding	Rhynmount Bog	12/10/2022	2	Foraging on wetlands.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01905	Non-breeding	Ref No 8	13/10/2022	3	Foraging on open water.	N/A	N/A
P02155	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	1	Smimming near CO	N/A	N/A
P02335	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	1	Smimming near CO	N/A	N/A
P02220	Non-breeding	Ref No 8	03/02/2023	5	Foraging on open water.	N/A	N/A
P02252	Non-breeding	Derrycashel Bog	10/02/2023	1	Calling from cover.	N/A	N/A
P02263	Non-breeding	Rhynmount Bog VP1	16/02/2023	1	Calling from cover.	N/A	N/A
P02270	Non-breeding	Rhynmount Bog VP3	16/02/2023	1	Calling from cover.	N/A	N/A
P02296	Non-breeding	Site 4 Turlough	25/02/2023	2	Swimming on open water near centre	N/A	N/A
P02367	Non-breeding	Site 4 Turlough	25/02/2023	2	Swimming on open water near centre	N/A	N/A
P02424	Non-breeding	Ref No 8	03/03/2023	2	Foraging on open water.	N/A	N/A
P02483	Non-breeding	Derrycashel Bog	16/03/2023	1	Flyover.	N/A	N/A
P04163	Breeding	Ref No 8	14/04/2023	1	Foraging	N/A	N/A
P04188	Breeding	Ref No 12	14/04/2023	2	Foraging	N/A	N/A
P04283	Breeding	Corlea lake	27/04/2023	2	2 Little Grebe on lake, probably breeding	H	Possible
P04288	Breeding	Turlough	27/04/2023	2	Pair of Little Grebe, probably breeding	P	Probable

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04321	Breeding	Onsite	03/05/2023	2	Male calling	S	Possible
P04326	Breeding	Onsite	03/05/2023	2	Male calling	S	Possible
P04349	Breeding	Ref No: 12	03/05/2023	1	Calling.	S	Possible
P04351	Breeding	Derrycashel Bog	03/05/2023	2	Male calling	S	Possible
P04413	Breeding	5 KM radius	26/05/2023	4	4 Little Grebe feeding on lake	H	Possible
P04477	Breeding	Onsite	02/06/2023	1	Male calling	S	Possible
P04495	Breeding	Derrycashel Bog	02/06/2023	1	Male calling	S	Possible
P04527	Breeding	5 KM radius	09/06/2023	4	4 Little Grebe feeding on lake	H	Possible
P04599	Breeding	Onsite	07/07/2023	2	Male calling	S	Possible
P04615	Breeding	Rhynmount VP2	07/07/2023	1	Male calling	S	Possible
P04629	Breeding	Ref No: 8	07/07/2023	1	Roosting	N/A	N/A
P04653	Breeding	09200 61800	19/07/2023	7	3 Adults and 4 young on lake	FL	Confirmed
P04712	Breeding	Onsite	03/08/2023	2	Foraging, Adult, Juv.	N/A	N/A
P04717	Breeding	Onsite	03/08/2023	4	Foraging, Adult, Juv.	N/A	N/A
P04735	Breeding	Ref No: 8	03/08/2023	1	Foraging	N/A	N/A
P04837	Breeding	09232 61917	07/09/2023	2	2 Little Grebeheard calliing on Corlea lake	N/A	N/A
P04839	Breeding	01724 63197	07/09/2023	2	2 Little Grebe on Turlough	N/A	N/A
P04815	Breeding	Ref No: 8	28/09/2023	1	Foraging	N/A	N/A
P06381	Non-breeding	Ref No: 8	10/10/2023	2	Foraging	N/A	N/A
P06402	Non-breeding	Onsite	11/10/2023	3	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06453	Non-breeding	4	14/10/2023	1	Little Grebe on turlough	N/A	N/A
P06457	Non-breeding	N/A	18/10/2023	2	2 Little Grebe feeding on lake	N/A	N/A
P06191	Non-breeding	Ref No: 8	08/11/2023	3	Swimming	N/A	N/A
P06286	Non-breeding	5	20/11/2023	2	2 Little Grebe on Lough Ree	N/A	N/A
P06293	Non-breeding	5	23/11/2023	3	3 Little Grebe on lake	N/A	N/A
P06307	Non-breeding	N/A	23/11/2023	1	1 Little Grebe on flooded bog/small lake	N/A	N/A
P06313	Non-breeding	N/A	27/11/2023	2	2 Little Grebe on lake	N/A	N/A
P06332	Non-breeding	5	27/11/2023	3	3 Little Grebe on Lough Ree	N/A	N/A
P06500	Non-breeding	Rhynmount	08/12/2023	2	Swimming	N/A	N/A
P06576	Non-breeding	4	18/12/2023	15	1 Little Grebe on turlough	N/A	N/A
P06708	Non-breeding	Rhynmount	14/02/2024	2	N/A	N/A	N/A
P06717	Non-breeding	Onsite	14/02/2024	2	N/A	N/A	N/A
P06723	Non-breeding	Southern half of site	19/02/2024	4	4 Little Grebe on wetland	N/A	N/A
P06733	Non-breeding	Southern half of site	19/02/2024	4	On lake	N/A	N/A
P06759	Non-breeding	Southern half of site	23/02/2024	2	2 Little Grebe on wetland area of bog	N/A	N/A
P06809	Non-breeding	Rhynmount	08/03/2024	1	Calling	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06814	Non-breeding	Onsite	08/03/2024	1	Calling	N/A	N/A
P04966	Breeding	2 km North of site	17/04/2024	1	Little Grebe on wetland area.	H	Possible
P04967	Breeding	2 km North of site	17/04/2024	4	4 Little Grebe in suitable breeding habitat	H	Possible
P05104	Breeding	Ref No:5	10/05/2024	2	Pair, 1 bird on nest.	ON	Confirmed
P05113	Breeding	Ref No:9	13/05/2024	1	Signing Male.	S	Possible
P05122	Breeding	Ref No:11	13/05/2024	2	Signing Male.	S	Possible
P05125	Breeding	Ref No:12	13/05/2024	3	Swimming.	N/A	N/A
P05125	Breeding	Ref No:12	13/05/2024	3	Swimming.	N/A	N/A
P05184	Breeding	2KM Buffer	15/05/2024	1	Little Grebe calling	S	Possible
P05294	Breeding	Ref No:5	07/06/2024	2	Foraging, adults.	N/A	N/A
P05305	Breeding	Ref No:9	11/06/2024	1	Alarm Call display, on suitable breeding ground	A	Probable
P05308	Breeding	Ref No:11	11/06/2024	2	2 juv foraging.	FL	Confirmed
P05317	Breeding	Ref No:12	11/06/2024	3	1 Adult, 2 juv foraging.	FL	Confirmed
P05329	Breeding	2km buffer	17/06/2024	1	Little Grebe on wetland area.	N/A	N/A
P05338	Breeding	2km buffer	17/06/2024	1	Little Grebe heard calling	S	Possible
P05341	Breeding	2km buffer	17/06/2024	2	2 Little Grebe feeding on wetland	N/A	N/A
P05346	Breeding	2km buffer	18/06/2024	2	2 Little Grebe on lake	H	Possible
P05375	Breeding	2KM buffer	24/06/2024	2	2 Little Grebe on wetland	H	Possible
P05479	Breeding	Ref No:11	05/07/2024	1	Foraging adult.	N/A	N/A
P05486	Breeding	Ref No:12	05/07/2024	1	Foraging	N/A	N/A
P05518	Breeding	2km buffer	24/07/2024	2	2 Little Grebes feeding on lake	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05523	Breeding	2km buffer	24/07/2024	2	2 Little Grebe feeding on lake	N/A	N/A
P05533	Breeding	2km buffer	29/07/2024	1	Little Grebe calling	S	Possible
P05612	Breeding	Ref No:8	08/08/2024	1	Foraging	N/A	N/A
P05618	Breeding	Ref No:11	09/08/2024	3	Foraging Juveniles	N/A	N/A
P05624	Breeding	Ref No:12	09/08/2024	4	Foraging	N/A	N/A
P05663	Breeding	2 Km buffer	20/08/2024	2	2 Little Grebe on lake	N/A	N/A
P05675	Breeding	2 Km buffer	20/08/2024	1	Little Grebe calling	N/A	N/A
P05757	Breeding	Ref No:2	02/09/2024	1	Alarm call	N/A	N/A
P05780	Breeding	Ref No:11	06/09/2024	3	Foraging	N/A	N/A
P05784	Breeding	Ref No:12	06/09/2024	6	Foraging	N/A	N/A
P05849	Breeding	2km buffer	16/09/2024	1	Little Grebe on wetland	N/A	N/A
P05125	Breeding	Ref No:12	13/05/2024	3	Swimming.	N/A	N/A
P05184	Breeding	2KM Buffer	15/05/2024	1	Little Grebe calling	S	Possible
P05294	Breeding	Ref No:5	07/06/2024	2	Foraging, adults.	N/A	N/A
P05305	Breeding	Ref No:9	11/06/2024	1	Alarm Call display, on suitable breeding ground	A	Probable
P05308	Breeding	Ref No:11	11/06/2024	2	2 juv foraging.	FL	Confirmed
P05317	Breeding	Ref No:12	11/06/2024	3	1 Adult, 2 juv foraging.	FL	Confirmed
P05329	Breeding	2km buffer	17/06/2024	1	Little Grebe on wetland area.	N/A	N/A
P05338	Breeding	2km buffer	17/06/2024	1	Little Grebe heard calling	S	Possible
P05341	Breeding	2km buffer	17/06/2024	2	2 Little Grebe feeding on wetland	N/A	N/A
P05346	Breeding	2km buffer	18/06/2024	2	2 Little Grebe on lake	H	Possible
P05375	Breeding	2KM buffer	24/06/2024	2	2 Little Grebe on wetland	H	Possible
P05479	Breeding	Ref No:11	05/07/2024	1	Foraging adult.	N/A	N/A
P05486	Breeding	Ref No:12	05/07/2024	1	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05518	Breeding	2km buffer	24/07/2024	2	2 Little Grebes feeding on lake	N/A	N/A
P05523	Breeding	2km buffer	24/07/2024	2	2 Little Grebe feeding on lake	N/A	N/A
P05533	Breeding	2km buffer	29/07/2024	1	Little Grebe calling	S	Possible
P05612	Breeding	Ref No:8	08/08/2024	1	Foraging	N/A	N/A
P05618	Breeding	Ref No:11	09/08/2024	3	Foraging Juveniles	N/A	N/A
P05624	Breeding	Ref No:12	09/08/2024	4	Foraging	N/A	N/A
P05663	Breeding	2 Km buffer	20/08/2024	2	2 Little Grebe on lake	N/A	N/A
P05675	Breeding	2 Km buffer	20/08/2024	1	Little Grebe calling	N/A	N/A
P05757	Breeding	Ref No:2	02/09/2024	1	Alarm call	N/A	N/A
P05780	Breeding	Ref No:11	06/09/2024	3	Foraging	N/A	N/A
P05784	Breeding	Ref No:12	06/09/2024	6	Foraging	N/A	N/A
P05849	Breeding	2km buffer	16/09/2024	1	Little Grebe on wetland	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00065	Breeding	T4	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00069	Breeding	T4	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00124	Breeding	T19	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00158	Breeding	T4	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00162	Breeding	T4	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P01008	Breeding	T19	11/04/2022	N/A	1	PB4	Male singing	S	Possible
P01147	Breeding	T4	12/04/2022	09:32	1	pb4	H	H	Possible
P01158	Breeding	T1	13/04/2022	09:11	2	pb4	p	P	Probable
P01160	Breeding	T5	13/04/2022	10:05	2	pb4	p	P	Probable
P01024	Breeding	T18	19/04/2022	N/A	1	PB4	Male singing	S	Possible
P01262	Breeding	T10	13/05/2022	N/A	1	PB4	Male calling.	S	Possible
P01172	Breeding	T5	17/05/2022	07:05	2	pb4	h	H	Possible
P01350	Breeding	T5	09/06/2022	11:16	1	pb4	N/A	H	Possible

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01355	Breeding	T5	09/06/2022	11:43	4	pb4	N/A	A	Probable
P01357	Breeding	T4	09/06/2022	N/A	4	pb4	N/A	A	Probable
P01362	Breeding	T4	09/06/2022	N/A	1	pb4	N/A	H	Possible
P01413	Breeding	T11	10/06/2022	N/A	1	PB4	Alarm calling	A	Probable
P01429	Breeding	T10	14/06/2022	N/A	1	PB4	Alarm calling	A	Probable
P01452	Breeding	T18	20/06/2022	N/A	1	PB4	Foraging.	N/A	N/A
P01503	Breeding	T19	05/07/2022	N/A	2	PB4	Swimming	N/A	N/A
P01516	Breeding	T11	07/07/2022	N/A	1	PB4	Male singing	S	Possible
P01628	Breeding	T5	08/07/2022	N/A	1	pb4	N/A	H	Possible
P01532	Breeding	T10	11/07/2022	N/A	1	PB4	Alarm call	A	Probable
P01666	Breeding	T10	10/08/2022	N/A	2	PB4	Alarm call	N/A	N/A
P01671	Breeding	T10	10/08/2022	N/A	1	PB4	Alarm call	N/A	N/A
P03508	Non-breeding	T19	09/02/2023	09:55	1	PB4	Calling	N/A	N/A
P03677	Non-breeding	T1	17/02/2023	N/A	3	FL1	Flying, Swimming	N/A	N/A
P03775	Non-breeding	T19	03/03/2023	07:45	1	PB4	Foraging	N/A	N/A
P04222	Breeding	T5	05/04/2023	13:55	2	PB4	N/A	S	Possible
P04233	Breeding	T10	06/04/2023	10:52	2	PB4	N/A	S	Possible
P04262	Breeding	T7	25/04/2023	10:31	2	PB4	N/A	P	Probable
P04390	Breeding	T10	23/05/2023	14:05	1	PB4	N/A	S	Possible
P04302	Breeding	T4	24/05/2023	08:20	2	PB4	N/A	H	Possible
P04317	Breeding	T5	24/05/2023	10:05	2	PB4	N/A	S	Possible
P04399	Breeding	T11	25/05/2023	09:20	1	PB4	N/A	S	Possible
P04432	Breeding	T19	26/05/2023	12:52	1	fl1	N/A	H	Possible
P04446	Breeding	T7	30/05/2023	N/A	2	FL1	N/A	H	Possible
P04451	Breeding	T4	21/06/2023	15:20	1	PB4	N/A	N/A	N/A
P04548	Breeding	T10	26/06/2023	16:23	2	PB4	N/A	H	Possible
P04577	Breeding	T4	05/07/2023	12:35	1	PB4	N/A	N/A	N/A
P04584	Breeding	T5	05/07/2023	13:45	1	PB4	N/A	S	Possible
P04663	Breeding	T10	21/07/2023	14:50	2	FL8	N/A	S	Possible
P04692	Breeding	T4	02/08/2023	11:10	3	PB4	N/A	N/A	N/A
P04702	Breeding	T5	02/08/2023	12:25	1	PB4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04742	Breeding	T11	08/08/2023	17:02	1	FL8	N/A	N/A	N/A
P04757	Breeding	T10	11/08/2023	12:28	2	PB4	N/A	N/A	N/A
P04782	Breeding	T19	23/08/2023	16:50	1	FL1	N/A	N/A	N/A
P04854	Breeding	T10	19/09/2023	10:51	2	PB4	N/A	N/A	N/A
P04803	Breeding	T5	25/09/2023	12:35	2	PB4	N/A	N/A	N/A
P06355	Non-breeding	T20	03/10/2023	11:10	3	PB4	Foraging	N/A	N/A
P06407	Non-breeding	T10	06/10/2023	15:46	2	PB4	Feeding	N/A	N/A
P06369	Non-breeding	T1	11/10/2023	13:30	1	PB4	Foraging	N/A	N/A
P06414	Non-breeding	T18	13/10/2023	10:02	1	PB4	Swimming	N/A	N/A
P06254	Non-breeding	T10	27/11/2023	12:42	2	PB4	Swimming	N/A	N/A
P06522	Non-breeding	T10	06/12/2023	14:12	1	PB4	Calling	N/A	N/A
P06533	Non-breeding	T4	19/12/2023	15:22	2	PB4	Foraging	N/A	N/A
P06006	Non-breeding	T10	29/02/2024	09:18	2	PB4	N/A	N/A	N/A
P06031	Non-breeding	19	04/03/2024	14:20	1	PB4	N/A	N/A	N/A
P06077	Non-breeding	T10	06/03/2024	10:01	1	PB4	N/A	N/A	N/A
P06080	Non-breeding	T10	06/03/2024	10:08	1	PB4	N/A	N/A	N/A
P04894	Breeding	T20	02/04/2024	16:35	1	PB4	N/A	S	Possible
P04900	Breeding	T20	02/04/2024	17:20	1	PB4	N/A	N/A	N/A
P04914	Breeding	T19	04/04/2024	13:15	2	PB4	N/A	S	Possible
P04916	Breeding	T19	04/04/2024	13:25	2	PB4	N/A	S	Possible
P05025	Breeding	T18	10/04/2024	11:32	1	FL8	N/A	H	Possible
P05032	Breeding	T10	10/04/2024	15:50	2	pb4	N/A	P	Probable
P05039	Breeding	T10	10/04/2024	16:05	2	pb4	N/A	P	Probable

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05060	Breeding	T19	08/05/2024	12:25	1	PB4	N/A	S	Possible
P05073	Breeding	T4	10/05/2024	07:55	2	PB4	N/A	N/A	N/A
P05148	Breeding	T11	11/05/2024	16:12	1	pb4	N/A	S	Possible
P05191	Breeding	T18	15/05/2024	18:30	2	PB4	N/A	N/A	N/A
P05196	Breeding	T10	16/05/2024	10:03	1	PB4	N/A	S	Possible
P05198	Breeding	T10	16/05/2024	10:11	2	PB4	N/A	S	Possible
P05202	Breeding	T10	16/05/2024	10:29	1	PB4	N/A	H	Possible
P05241	Breeding	T20	05/06/2024	11:40	3	PB4	N/A	FL	Confirmed
P05246	Breeding	T20	05/06/2024	12:30	1	PB4	N/A	S	Possible
P05257	Breeding	T19	06/06/2024	14:50	4	PB4	N/A	FL	Confirmed
P05360	Breeding	T18	19/06/2024	10:46	1	PB4	N/A	N/A	N/A
P05395	Breeding	T10	25/06/2024	11:53	2	PB4	N/A	N/A	N/A
P05402	Breeding	T11	25/06/2024	14:15	1	PB4	N/A	S	Possible
P05418	Breeding	T20	01/07/2024	11:55	1	PB4	N/A	N/A	N/A
P05434	Breeding	T19	04/07/2024	14:50	1	PB4	N/A	N/A	N/A
P05436	Breeding	T19	04/07/2024	14:55	2	PB4	N/A	FL	Confirmed
P05491	Breeding	T10	22/07/2024	15:39	1	PB4	N/A	S	Possible
P05577	Breeding	T19	07/08/2024	13:50	3	PB4	N/A	N/A	N/A
P05646	Breeding	T11	07/08/2024	15:51	1	PB4	N/A	N/A	N/A
P05722	Breeding	T20	04/09/2024	11:10	2	PB4	N/A	N/A	N/A
P05725	Breeding	T20	04/09/2024	12:05	1	PB4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00247	Breeding	HHVP4	12/05/2021	12	N/A	N/A
P00466	Breeding	HHVP8	05/08/2021	3	N/A	N/A
P00506	Breeding	HHVP5	14/08/2021	2	N/A	N/A
P00520	Breeding	HHVP8	14/08/2021	6	N/A	N/A
P00536	Breeding	HHVP9	14/08/2021	3	N/A	N/A
P00573	Breeding	HHVP5	09/09/2021	6	N/A	N/A
P00584	Breeding	HHVP8	09/09/2021	4	N/A	N/A
P00598	Breeding	HHVP9	09/09/2021	2	N/A	N/A
P00636	Breeding	HHVP5	30/09/2021	4	N/A	N/A
P00648	Breeding	HHVP8	30/09/2021	1	N/A	N/A
P00658	Breeding	HHVP9	30/09/2021	2	N/A	N/A
P00688	Non-breeding	HHVP5	26/10/2021	12	N/A	N/A
P00706	Non-breeding	HHVP9	26/10/2021	6	N/A	N/A
P00737	Non-breeding	HHVP6	24/11/2021	1	N/A	N/A
P00807	Non-breeding	HHVP6	28/02/2022	2	N/A	N/A
P05960	Non-breeding	HHVP4	18/02/2024	2	N/A	N/A
P06019	Non-breeding	HHVP4	14/03/2024	2	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P03951	Non-breeding	12/10/2022	1	N/A	N/A
P04038	Non-breeding	10/02/2023	2	N/A	N/A
P06770	Non-breeding	15/03/2024	2	N/A	N/A

8°2'40"W
7°53'50"W
7°45'0"W
53°45'0"N
53°40'0"N
53°35'0"N
776000
768000
760000
593600
604000
614400

Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7

Strokestown Golf Club
Townparks (Longford By)
Enybegs
Ballytoohey
Termonbarry
Cloondara
Cloonrollagh
Cloonbalt
Longford
Feraghfad
Stonepark (Ardagh By)
Cloontuskert
Ballyleague
Knock
Keenagh
Fearagh
Knockcroghery
Galey
Lough Ree
Derrymacar Lough
Drinan
Ballymahon
R371
R194
R397
R393
R392
N5
N63
N55

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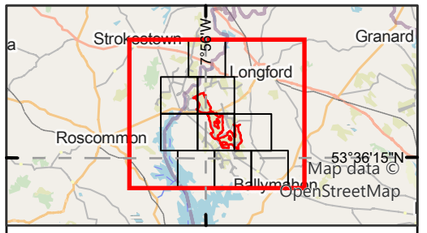

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Breeding-24

*should be read with data in Appendix 8.3

0 1.5 3
Kilometres

NOTES

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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Little Grebe
Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-039.ApX-SUM-LG-TOB-A

Draft: A

7°53'50"W

53°45'0"N

Ballytoohey

Termonbarry

Cloondara

L1462

P04188, P04349

P04351, P04495

P02252, P02483

P02263

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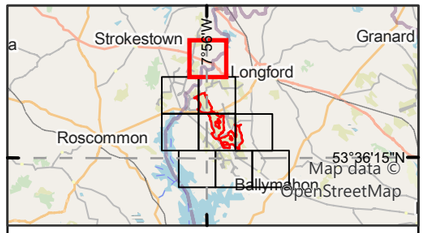
604000

776000



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-23

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Little Grebe
Sheet 1 of 7

Scale @ A3: 1:24,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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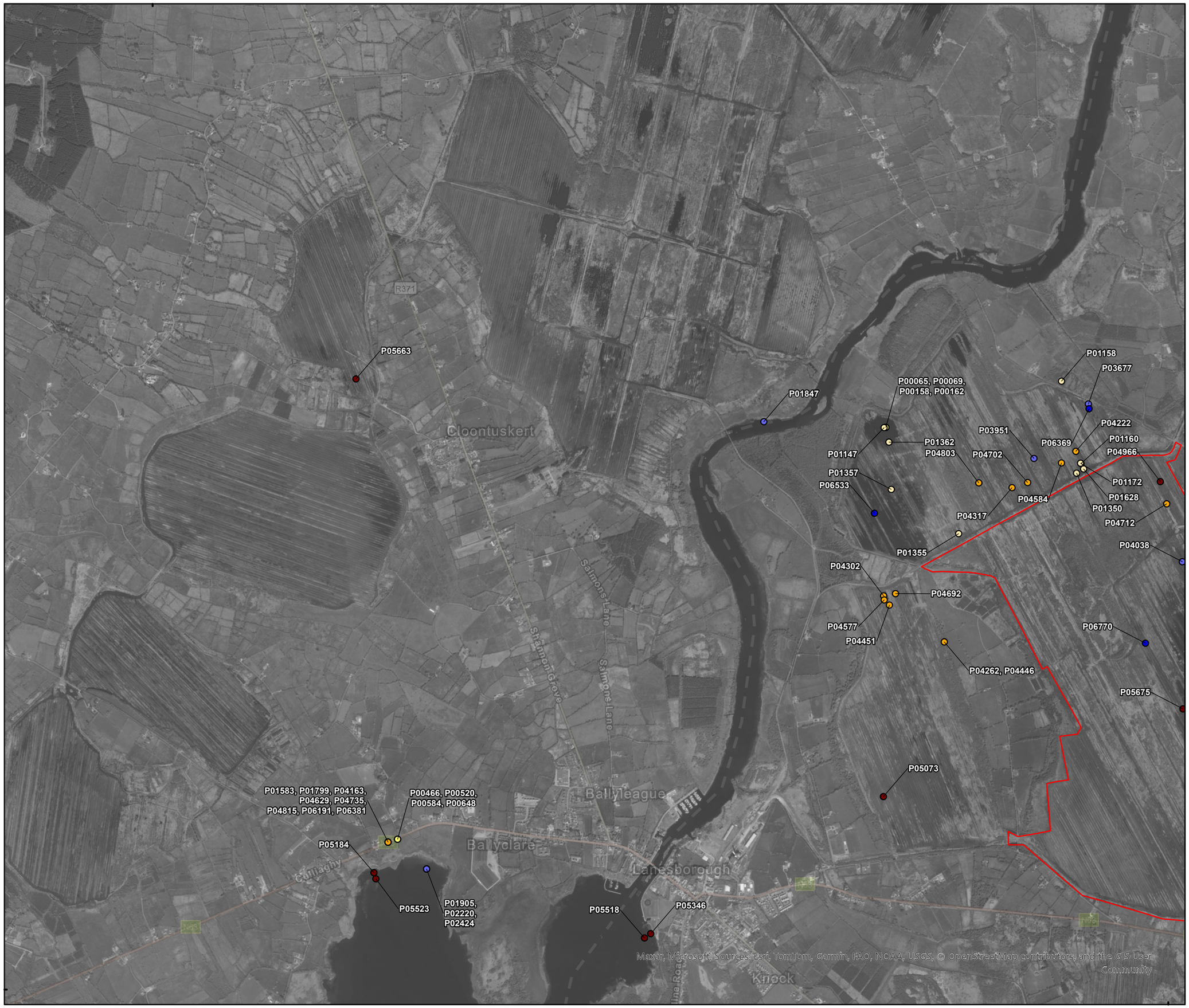
Map Ref: 11399-039.ApX-SUM-LG-TOB-A

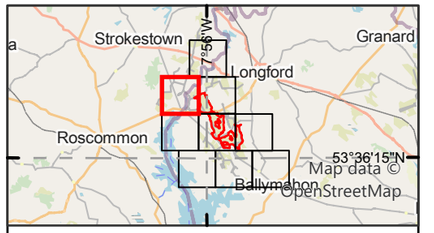
Draft: A

8°2'40"W

53°40'0"N

604000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Little Grebe
Sheet 2 of 7

Scale @ A3: 1:24,000

Prepared by:	Checked by:	Date:
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Map Ref: 11399-039.ApX-SUM-LG-TOB-A

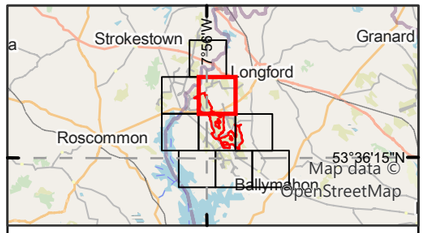
Draft: A

7°53'50"W



53°40'0"N

604000



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Little Grebe
Sheet 3 of 7

Scale @ A3:	1:24,000	
Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-039.ApX-SUM-LG-TOB-A

Draft: A

7°53'50"W

53°40'0"N

768000

604000

P05725
P05757
P05722
P05418
P05241
P05402
P06019
P01882
P04742
P05148
P01413
P04399
P05646
P05960
P01516
P04894

P00987
P05865
P06111
P06137
P00948
P01832
P05104, P05294
P06122
P00988
P00935
P00993
P02296,
P02367
P00958

P05025
P01024
P06414
P05191
P01452
P05360
P05612
P01008
P05577
P04914
P01503
P04432
P03508
P04916
P03775
P05060
P05257
P05436
P04
P00124

P06576
P02155, P02335

R392
R398
L4155
Ballymahon Road

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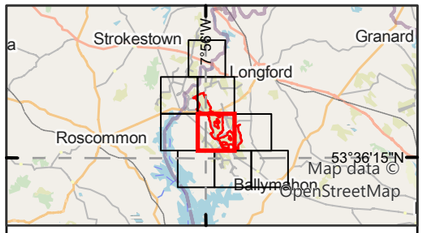

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Little Grebe
Sheet 4 of 7

Scale @ A3: 1:24,000

Prepared by:	Checked by:	Date:
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Map Ref: 11399-039.ApX-SUM-LG-TOB-A

Draft: A

8°2'40"W

53°40'0"N

768000

604000

P05518

P05346

P00737,
P00807

P00536,
P00598,
P00658, P00706

P00506,
P00573,
P00636, P00688

P06286,
P06293,
P06332, P06733

P00247

P06453

P06576

P02155, P02335

P01930,
P04288

N63

N62

R392

Knock

Rathcline Road

Rockwood

Curreen

Rathcline

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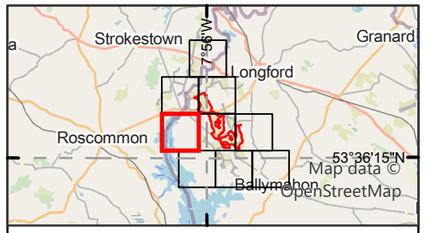

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Little Grebe
Sheet 5 of 7

Scale @ A3: 1:24,000

Prepared by:	Checked by:	Date:
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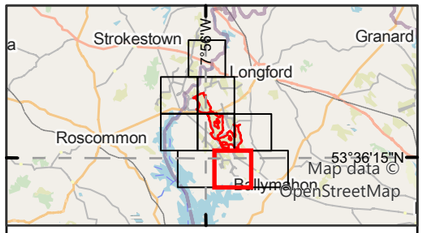
Map Ref: 11399-039.ApX-SUM-LG-TOB-A

Draft: A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Little Grebe
Sheet 6 of 7

Scale @ A3: 1:24,000

Prepared by:	Checked by:	Date:
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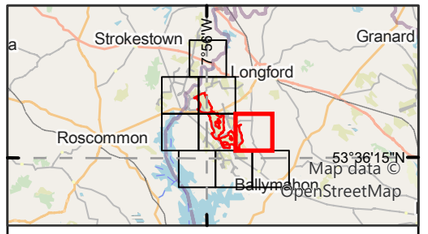
Map Ref: 11399-039.ApX-SUM-LG-TOB-A

Draft: A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Little Grebe
Sheet 7 of 7

Scale @ A3: 1:24,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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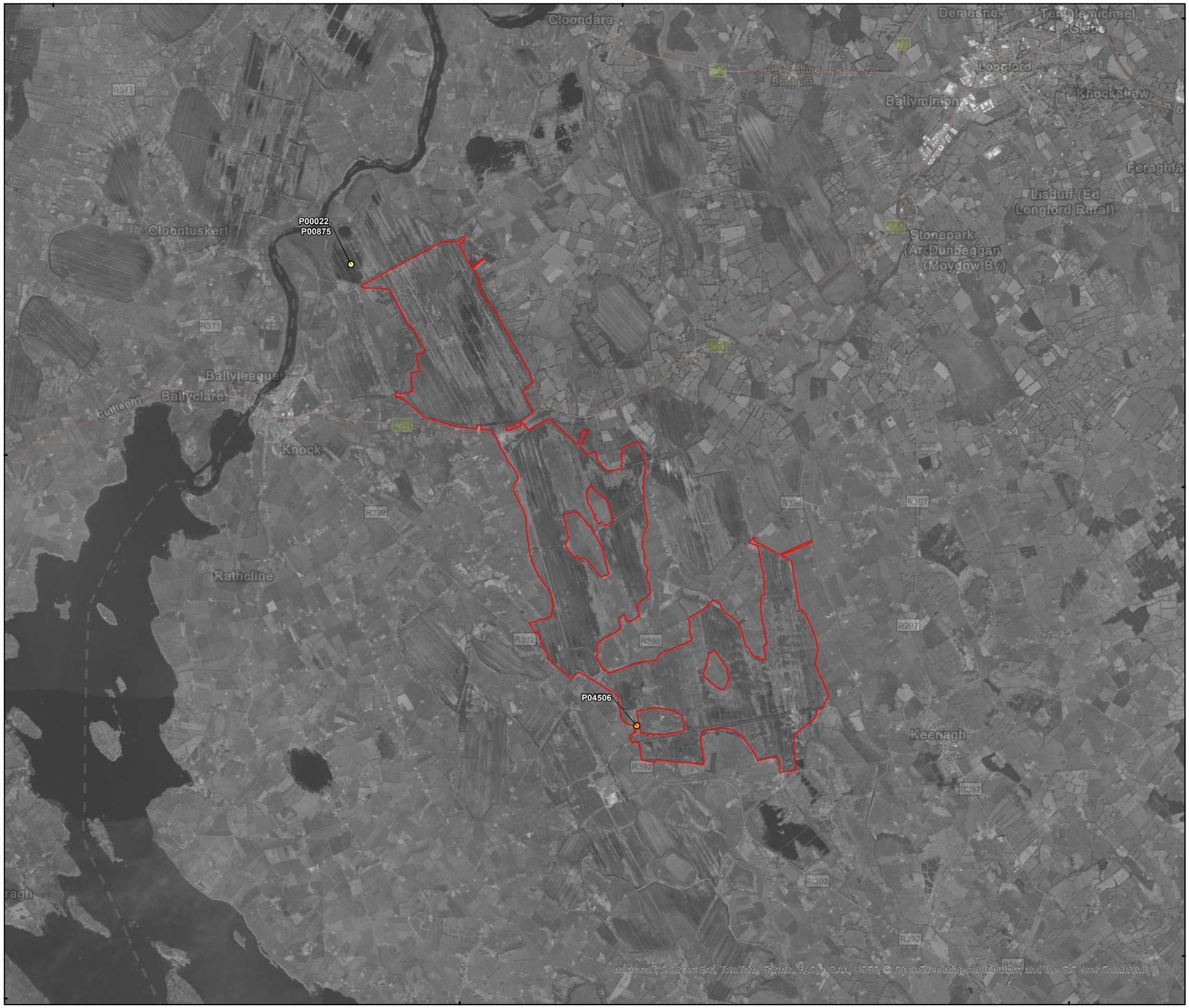
Map Ref: 11399-039.ApX-SUM-LG-TOB-A

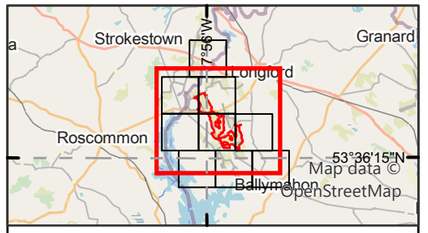
Draft: A

Appendix 8.3mm LONG-EARED OWL

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P00022	Breeding	N/A	19/05/2021	N/A	1	H	Possible
P00875	Breeding	53.6932033, -7.9679042	19/05/2021	N/A	1	H	Possible
P04506	Breeding	WD3	08/06/2023	22:55	1	H	Possible

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
604000
614400
776000
768000
760000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-21
- Breeding-23

0 1 2
Kilometres

NOTES

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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Long-eared Owl
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Map Ref: 11399-040.ApX-SUM-LE-TOB-A

Draft: A

Appendix 8.3nn MALLARD

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP2	29/04/2021	10:02	3	12	0	0	0	0
Breeding	VP2	29/04/2021	11:00	2	0	0	17	0	0
Breeding	VP2	29/04/2021	14:41	3	9	9	0	0	0
Breeding	VP3	04/05/2021	08:27	3	193	17	0	0	0
Breeding	VP3	04/05/2021	09:40	4	32	33	0	0	0
Breeding	VP3	04/05/2021	16:09	4	88	99	0	0	0
Breeding	VP3	04/05/2021	16:39	3	38	95	0	0	0
Breeding	VP4	05/05/2021	14:36	1	16	0	0	0	0
Breeding	VP5	05/05/2021	18:34	2	10	0	0	0	0
Breeding	VP5	05/05/2021	19:27	2	0	17	55	0	0
Breeding	VP1	06/05/2021	16:33	8	79	0	0	0	0
Breeding	VP1	06/05/2021	17:30	5	24	0	0	0	0
Breeding	VP1	06/05/2021	17:49	2	10	0	0	0	0
Breeding	VP5	06/05/2021	09:51	2	15	0	0	0	0
Breeding	VP9	21/05/2021	11:28	1	25	0	0	0	0
Breeding	VP11	28/05/2021	17:45	2	0	0	48	0	0
Breeding	VP11	28/05/2021	19:00	1	7	0	0	0	0
Breeding	VP2	31/05/2021	09:00	1	11	20	0	0	0
Breeding	VP2	31/05/2021	11:35	1	7	0	0	0	0
Breeding	VP2	31/05/2021	20:15	4	0	27	0	0	0
Breeding	VP1	01/06/2021	10:32	2	35	0	0	0	0
Breeding	VP1	01/06/2021	14:06	3	14	37	0	0	0
Breeding	VP1	01/06/2021	15:00	2	45	0	0	0	0
Breeding	VP9	24/06/2021	13:00	1	12	0	0	0	0
Breeding	VP11	25/06/2021	12:52	1	5	0	0	0	0
Breeding	VP1	06/07/2021	10:23	1	0	8	52	0	0
Breeding	VP1	06/07/2021	14:07	1	10	32	0	0	0
Breeding	VP2	07/07/2021	15:50	1	0	33	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP4	07/07/2021	20:26	1	33	0	0	0	0
Breeding	VP4	09/07/2021	16:30	1	20	0	0	0	0
Breeding	VP1	29/07/2021	10:47	1	13	37	0	0	0
Breeding	VP1	29/07/2021	12:03	1	15	18	0	0	0
Breeding	VP1	29/07/2021	16:00	3	23	32	0	0	0
Breeding	VP4	30/07/2021	12:12	1	48	0	0	0	0
Breeding	VP4	30/07/2021	15:07	1	34	0	0	0	0
Breeding	VP4	30/07/2021	17:01	1	11	0	0	0	0
Breeding	VP5	12/08/2021	13:00	3	16	0	0	0	0
Breeding	VP4	13/08/2021	12:22	2	0	46	0	0	0
Breeding	VP4	13/08/2021	15:33	1	54	0	0	0	0
Breeding	VP2	17/08/2021	11:26	1	8	0	0	0	0
Breeding	VP2	17/08/2021	14:09	1	23	0	0	0	0
Breeding	VP1	18/08/2021	09:09	2	22	0	0	0	0
Breeding	VP1	18/08/2021	14:02	1	21	0	0	0	0
Breeding	VP1	18/08/2021	15:34	2	39	0	0	0	0
Breeding	VP1	06/09/2021	08:53	1	15	0	0	0	0
Breeding	VP1	06/09/2021	13:22	1	8	39	0	0	0
Breeding	VP1	06/09/2021	14:19	3	9	10	0	0	0
Breeding	VP4	07/09/2021	14:11	2	13	19	0	0	0
Breeding	VP4	07/09/2021	17:55	1	51	20	0	0	0
Breeding	VP2	12/09/2021	12:11	1	0	0	53	0	0
Breeding	VP2	12/09/2021	18:00	1	32	0	0	0	0
Breeding	VP2	20/09/2021	08:52	1	24	0	0	0	0
Breeding	VP2	20/09/2021	10:46	2	36	0	0	0	0
Breeding	VP2	20/09/2021	12:09	1	37	0	0	0	0
Breeding	VP4	23/09/2021	11:44	2	69	0	0	0	0
Breeding	VP4	23/09/2021	13:47	1	12	55	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP1	24/09/2021	18:10	1	17	0	0	0	0
Breeding	VP1	27/09/2021	09:19	2	46	0	0	0	0
Breeding	VP3	28/09/2021	16:11	2	33	0	0	0	0
Non-breeding	VP1	01/10/2021	14:02	1	77	0	0	0	0
Non-breeding	VP1	01/10/2021	10:10	2	38	0	0	0	0
Non-breeding	VP4	02/10/2021	10:22	2	77	0	0	0	0
Non-breeding	VP4	02/10/2021	13:22	1	25	0	0	0	0
Non-breeding	VP2	28/10/2021	11:02	1	27	0	0	0	0
Non-breeding	VP2	28/10/2021	11:08	1	30	0	0	0	0
Non-breeding	VP2	28/10/2021	13:03	1	33	0	0	0	0
Non-breeding	VP10	18/11/2021	13:11	7	0	0	51	0	0
Non-breeding	VP10	18/11/2021	13:15	9	0	0	38	0	0
Non-breeding	VP2	23/11/2021	08:44	5	22	0	0	0	0
Non-breeding	VP2	23/11/2021	08:52	4	44	0	0	0	0
Non-breeding	VP2	23/11/2021	09:15	2	30	0	0	0	0
Non-breeding	VP4	25/11/2021	08:19	2	3600*	0	0	0	0
Non-breeding	VP5	26/11/2021	11:31	2	8	10	40	0	0
Non-breeding	VP5	26/11/2021	11:42	15	50	71	0	0	0
Non-breeding	VP5	26/11/2021	12:22	6	50	50	53	0	0
Non-breeding	VP1	01/12/2021	09:23	1	0	18	0	0	0
Non-breeding	VP1	01/12/2021	10:01	2	13	0	0	0	0
Non-breeding	VP1	13/12/2021	10:30	2	8	0	0	0	0
Non-breeding	VP1	13/12/2021	10:55	1	3	12	10	0	0
Non-breeding	VP1	13/12/2021	11:35	1	0	0	30	0	0
Non-breeding	VP3	13/12/2021	12:11	2	0	0	50	0	0
Non-breeding	VP3	13/12/2021	12:19	2	0	60	0	0	0
Non-breeding	VP3	13/12/2021	13:14	1	0	30	0	0	0
Non-breeding	VP2	14/12/2021	09:40	1	10	5	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP2	14/12/2021	10:10	4	10	0	0	0	0
Non-breeding	VP1	07/01/2022	10:40	4	10	0	0	0	0
Non-breeding	VP1	07/01/2022	11:45	2	0	5	0	0	0
Non-breeding	VP1	01/02/2022	09:58	15	0	30	0	0	0
Non-breeding	VP1	01/02/2022	12:24	2	0	15	0	0	0
Non-breeding	VP10	01/02/2022	11:39	2	16	22	0	0	0
Non-breeding	VP10	01/02/2022	13:22	4	2	12	0	0	0
Non-breeding	VP2	03/02/2022	10:01	2	0	50	0	0	0
Non-breeding	VP2	03/02/2022	10:05	4	5	15	0	0	0
Non-breeding	VP11	08/02/2022	10:39	2	6	0	0	0	0
Non-breeding	VP11	08/02/2022	11:38	3	7	22	13	0	36
Non-breeding	VP1	02/03/2022	09:46	12	0	0	60	0	0
Non-breeding	VP1	02/03/2022	11:02	9	0	10	0	0	0
Non-breeding	VP4	08/03/2022	10:21	2	10	0	0	0	0
Non-breeding	VP4	08/03/2022	10:42	4	0	0	30	0	0
Non-breeding	VP4	08/03/2022	12:04	6	10	0	0	0	0
Non-breeding	VP5	15/03/2022	10:09	2	0	0	40	0	0
Non-breeding	VP5	15/03/2022	11:42	3	0	10	0	0	0
Non-breeding	VP10	15/03/2022	11:05	2	0	0	27	0	0
Non-breeding	VP3	16/03/2022	09:51	14	0	15	0	0	0
Non-breeding	VP3	16/03/2022	15:30	3	0	35	0	0	0
Non-breeding	VP11	28/03/2022	13:36	3	10	0	0	0	0
Breeding	VP9	11/04/2022	08:15	6	40	0	0	0	0
Breeding	VP8	12/04/2022	08:05	2	20	0	0	0	0
Breeding	VP 1	12/04/2022	15:50	2	25	10	0	0	0
Breeding	VP 1	12/04/2022	16:52	2	20	10	0	0	0
Breeding	VP11	15/04/2022	07:42	1	25	0	0	0	0
Breeding	VP 5	04/05/2022	08:20	3	25	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP11	04/05/2022	17:15	3	35	0	0	0	0
Breeding	VP8	09/05/2022	19:03	2	10	0	0	0	0
Breeding	VP 1	18/05/2022	08:16	2	15	20	0	0	0
Breeding	VP 2	31/05/2022	06:58	2	5	10	45	0	0
Breeding	VP 4	27/06/2022	16:27	2	10	20	0	0	0
Breeding	VP11	13/07/2022	10:52	2	41	0	0	0	0
Breeding	VP 5	27/07/2022	17:08	2	10	35	0	0	0
Breeding	VP9	08/09/2022	09:35	5	45	0	0	0	0
Breeding	VP11	16/09/2022	11:10	1	0	0	35	0	0
Breeding	VP 4	26/09/2022	18:11	3	0	35	0	0	0
Breeding	VP 1	27/09/2022	17:12	3	15	15	0	0	0
Non-breeding	VP1	09/10/2022	10:11	2	13	0	0	0	0
Non-breeding	VP1	09/10/2022	10:29	3	0	4	0	0	0
Non-breeding	VP5	12/10/2022	11:15	2	2	0	0	0	0
Non-breeding	VP5	17/10/2022	12:33	3	3	0	0	0	0
Non-breeding	VP5	17/10/2022	12:41	20	10	0	0	0	0
Non-breeding	VP4	11/11/2022	11:31	5	12	0	0	0	0
Non-breeding	VP4	13/11/2022	14:07	7	12	5	0	0	0
Non-breeding	VP1	14/11/2022	10:10	4	10	0	0	0	0
Non-breeding	VP5	28/11/2022	08:50	6	10	4	0	0	0
Non-breeding	VP5	28/11/2022	14:41	3	5	0	0	0	0
Non-breeding	VP10	01/12/2022	11:26	12	10	30	0	0	0
Non-breeding	VP 1	16/12/2022	09:00	9	5	0	0	0	0
Non-breeding	VP1	16/12/2022	16:01	2	4	0	0	0	0
Non-breeding	VP4	19/12/2022	10:33	3	10	0	0	0	0
Non-breeding	VP1	09/01/2023	10:21	3	5	0	0	0	0
Non-breeding	VP1	09/01/2023	14:27	7	4	4	0	0	0
Non-breeding	VP10	02/02/2023	10:45	2	0	0	30	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP11	13/02/2023	12:30	2	0	35	0	0	0
Non-breeding	VP4	13/02/2023	10:20	3	3	0	0	0	0
Non-breeding	VP7	14/02/2023	15:20	1	0	25	0	0	0
Non-breeding	VP8	15/02/2023	14:25	3	10	20	120	0	0
Non-breeding	VP2	17/02/2023	10:55	2	6	0	0	0	0
Non-breeding	VP2	17/02/2023	14:30	2	5	0	0	0	0
Non-breeding	VP5	24/02/2023	08:15	1	2	8	0	0	0
Non-breeding	VP5	24/02/2023	10:19	5	5	0	0	0	0
Non-breeding	VP1	07/03/2023	08:59	2	4	0	0	0	0
Non-breeding	VP1	07/03/2023	10:38	2	0	3	0	0	0
Non-breeding	VP2	10/03/2023	09:57	3	3	10	0	0	0
Non-breeding	VP2	10/03/2023	14:20	3	5	0	0	0	0
Non-breeding	VP6	28/03/2023	14:05	2	5	0	0	0	0
Non-breeding	VP5	29/03/2023	10:03	8	7	5	0	0	0
Non-breeding	VP5	29/03/2023	15:51	4	6	0	0	0	0
Breeding	VP1	04/04/2023	15:41	2	0	20	0	0	0
Breeding	VP3	05/04/2023	18:36	2	10	20	0	0	0
Breeding	VP10	13/04/2023	15:10	2	0	0	0	0	0
Breeding	VP1	22/05/2023	12:18	4	0	35	0	0	0
Breeding	VP4	08/06/2023	16:15	1	20	0	0	0	0
Breeding	VP10	18/09/2023	14:26	4	15	10	0	0	0
Breeding	VP9	20/09/2023	10:15	1	8	2	0	0	0
Breeding	VP9	20/09/2023	14:25	1	5	0	0	0	0
Breeding	VP5	21/09/2023	15:14	12	13	30	0	0	0
Breeding	VP1	28/09/2023	09:10	11	10	20	0	0	0
Breeding	VP11	29/09/2023	10:15	1	4	0	0	0	0
Breeding	VP11	30/09/2023	15:10	2	0	9	0	0	0
Non-breeding	VP1	03/10/2023	09:55	2	6	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP4	08/10/2023	14:12	4	10	0	0	0	0
Non-breeding	VP1	07/11/2023	15:01	5	0	8	0	0	0
Non-breeding	VP4	12/11/2023	10:46	2	5	0	0	0	0
Non-breeding	VP4	12/11/2023	10:54	10	8	9	0	0	0
Non-breeding	VP4	12/11/2023	10:58	2	7	0	0	0	0
Non-breeding	VP4	08/12/2023	11:03	4	7	1	0	0	0
Non-breeding	VP1	11/12/2023	11:03	1	3	0	0	0	0
Non-breeding	VP1	11/12/2023	15:35	3	9	5	0	0	0
Non-breeding	VP4	06/01/2024	13:52	3	7	1	0	0	0
Non-breeding	VP1	16/01/2024	09:35	3	4	7	0	0	0
Non-breeding	VP1	16/01/2024	09:38	2	4	0	0	0	0
Non-breeding	VP4	16/02/2024	10:56	3	8	4	0	0	0
Non-breeding	VP2	18/02/2024	14:21	2	3	4	0	0	0
Non-breeding	VP1	25/02/2024	10:07	2	7	7	0	0	0
Non-breeding	VP5	26/02/2024	09:45	2	4	4	0	0	0
Non-breeding	VP5	26/02/2024	10:48	1	5	0	0	0	0
Non-breeding	VP5	26/02/2024	14:19	2	10	3	0	0	0
Non-breeding	VP9	07/03/2024	14:48	1	10	0	0	0	0
Non-breeding	VP4	15/03/2024	09:45	1	9	3	0	0	0
Non-breeding	VP4	15/03/2024	11:00	2	4	0	0	0	0
Non-breeding	VP2	24/03/2024	14:41	2	6	2	0	0	0
Non-breeding	VP5	25/03/2024	10:10	4	4	3	0	0	0
Non-breeding	VP5	27/03/2024	10:03	2	4	0	0	0	0
Non-breeding	VP5	27/03/2024	10:59	7	7	6	0	0	0
Breeding	VP11	09/04/2024	20:01	1	10	0	0	0	0
Breeding	VP11	09/04/2024	20:25	1	10	0	0	0	0
Breeding	VP9	10/04/2024	19:21	2	20	0	0	0	0
Breeding	VP2	11/04/2024	17:20	1	6	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP11	11/04/2024	09:28	2	10	15	0	0	0
Breeding	VP9	11/04/2024	12:03	2	15	0	0	0	0
Breeding	VP1	14/04/2024	11:10	1	5	0	0	0	0
Breeding	VP1	14/04/2024	17:39	3	4	2	0	0	0
Breeding	VP1	14/04/2024	18:58	2	7	0	0	0	0
Breeding	VP5	29/04/2024	10:20	4	8	5	0	0	0
Breeding	VP5	29/04/2024	10:59	3	7	7	0	0	0
Breeding	VP5	29/04/2024	11:47	2	0	6	0	0	0
Breeding	VP5	30/04/2024	08:17	3	6	2	0	0	0
Breeding	VP1	09/05/2024	10:36	2	4	1	0	0	0
Breeding	VP1	09/05/2024	06:19	1	4	0	0	0	0
Breeding	VP1	09/05/2024	08:30	2	3	0	0	0	0
Breeding	VP7	09/05/2024	11:15	3	0	20	30	0	0
Breeding	VP11	09/05/2024	06:12	3	10	20	0	0	0
Breeding	VP9	15/05/2024	07:29	2	25	0	0	0	0
Breeding	VP4	22/05/2024	15:35	4	13	0	0	0	0
Breeding	VP5	28/05/2024	10:44	2	5	2	0	0	0
Breeding	VP9	19/06/2024	17:16	2	20	0	0	0	0
Breeding	VP5	29/07/2024	14:15	3	5	0	0	0	0
Breeding	VP5	29/07/2024	15:06	6	10	7	0	0	0
Breeding	VP1	05/08/2024	08:36	3	5	0	0	0	0
Breeding	VP4	24/09/2024	10:37	7	10	10	4	0	0

*Surveyor sample error – record not included in the collision risk model

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00905	Breeding	VP8	11/04/2022	07:32	2	GA1	Foraging	N/A	N/A
P00906	Breeding	VP8	11/04/2022	10:45	2	GA1	Foraging	N/A	N/A
P00914	Breeding	VP1	12/04/2022	15:12	2	FW2	In suitable breeding habitat	H	Possible
P00924	Breeding	VP1	18/05/2022	08:17	2	FW2	In suitable breeding habitat	H	Possible
P01829	Non-breeding	VP9	06/10/2022	07:25	42	PB4	Roosting.	N/A	N/A
P01834	Non-breeding	VP10	10/10/2022	09:35	4	PB4	Foraging.	N/A	N/A
P01846	Non-breeding	VP10	01/12/2022	07:45	3	PB4	Swimming.	N/A	N/A
P01852	Non-breeding	VP10	09/01/2023	10:45	6	PB4	Roosting.	N/A	N/A
P01857	Non-breeding	VP4	16/01/2023	09:30	17	PB4	On water	N/A	N/A
P01863	Non-breeding	VP10	02/02/2023	08:40	4	PB4	Swimming	N/A	N/A
P01871	Non-breeding	VP7	14/02/2023	11:25	3	PB4	Swimming	N/A	N/A
P01880	Non-breeding	VP7	08/03/2023	13:20	3	PB4	Foraging.	N/A	N/A
P04085	Breeding	VP9	07/04/2023	14:55	2	N/A	Foraging	N/A	N/A
P04094	Breeding	VP5	13/04/2023	18:47	4	N/A	feeding	N/A	N/A
P04101	Breeding	VP4	24/05/2023	06:35	3	N/A	Roosting	N/A	N/A
P04125	Breeding	VP1	22/06/2023	12:56	5	N/A	feeding	N/A	N/A
P04834	Breeding	VP10	18/09/2023	N/A	4	N/A	Resting on water	N/A	N/A
P05864	Non-breeding	VP10	02/11/2023	09:45	8	N/A	Roosting	N/A	N/A
P05879	Non-breeding	VP7	02/02/2024	08:05	16	N/A	Foraging	N/A	N/A
P05886	Non-breeding	VP6	04/03/2024	07:10	3	N/A	Swimming.	N/A	N/A
P06102	Breeding	VP9	10/04/2024	20:03	2	N/A	N/A	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P00009	Breeding	N/A	21/05/2021	4	N/A	N/A	N/A
P00011	Breeding	N/A	21/05/2021	1	N/A	N/A	N/A
P01072	Breeding	New site	19/04/2022	8	Swimming on open water.	N/A	N/A
P01081	Breeding	Ref: 5	20/04/2022	2	Swimming around and roosting on Inchenagh island.	N/A	N/A
P01092	Breeding	Ref: 4	20/04/2022	7	Roosting.	N/A	N/A
P01098	Breeding	Ref: 8	21/04/2022	1	Swimming on open water.	N/A	N/A
P01109	Breeding	Ref: 18	21/04/2022	1	Swimming on south side of bridge.	N/A	N/A
P01112	Breeding	New site	22/04/2022	4	4 males swimming on open water.	N/A	N/A
P01116	Breeding	New site	22/04/2022	4	Swimming on open water.	N/A	N/A
P01125	Breeding	New site	22/04/2022	2	Pair swimming on open water.	N/A	N/A
P01299	Breeding	Rhynmount Bog.	10/05/2022	2	Swimming on lake.	N/A	N/A
P01302	Breeding	Rhynmount Bog.	10/05/2022	3	Swimming on lake.	N/A	N/A
P01335	Breeding	Ref: 4	12/05/2022	6	Roosting on field.	N/A	N/A
P01211	Breeding	VP Number 8	17/05/2022	4	4 mallard on lake	H	Possible
P01471	Breeding	Rhynmount Bog.	14/06/2022	2	Swimming on lake around reeds.	N/A	N/A
P01480	Breeding	Ref: 12	14/06/2022	2	Swimming together on river.	N/A	N/A
P01582	Breeding	ref: 8	11/07/2022	2	Roosting around the shoreline.	N/A	N/A
P01691	Breeding	ref: 7	10/08/2022	4	Swimming on open water.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01696	Breeding	ref: 8	10/08/2022	6	Roosting around the shoreline.	N/A	N/A
P01713	Breeding	Rhynmount Bog.	11/08/2022	4	Swimming around wetland.	N/A	N/A
P01795	Breeding	Ref No: 8	13/09/2022	15	Roosting around the shoreline.	N/A	N/A
P01807	Breeding	Rhynmount Bog.	14/09/2022	5	Swimming around wetland.	N/A	N/A
P01808	Breeding	Rhynmount Bog.	14/09/2022	4	Swimming around wetland.	N/A	N/A
P01813	Breeding	Rhynmount Bog.	14/09/2022	35	Swimming around wetland.	N/A	N/A
P01819	Breeding	Ref No: 15	14/09/2022	6	Swimming around river.	N/A	N/A
P01889	Non-breeding	Rhynmount Bog	12/10/2022	16	Roosting on wetlands.	N/A	N/A
P01894	Non-breeding	Rhynmount Bog	12/10/2022	36	Foraging and roosting on wetlands.	N/A	N/A
P01906	Non-breeding	Ref No 8	13/10/2022	21	Roosting/ foraging around shore-line.	N/A	N/A
P01910	Non-breeding	Ref No 9	13/10/2022	27	Roosting around shore-line.	N/A	N/A
P01919	Non-breeding	Ref No 12	14/10/2022	5	Roosting on field.	N/A	N/A
P01924	Non-breeding	Derrycashel Bog	14/10/2022	3	Swimming on open water.	N/A	N/A
P01941	Non-breeding	iwebs 1234	31/10/2022	12	Mostly swimming with occassional short flights by some individuals	N/A	N/A
P02014	Non-breeding	Site 4	06/11/2022	15	On water with T	N/A	N/A
P02023	Non-breeding	Near site 4, LeTergullion	06/11/2022	8	Roosting (WN,SV, MA, L)	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01956	Non-breeding	Ref No 5	08/11/2022	6	Flyover	N/A	N/A
P01983	Non-breeding	Derrycashel Bog	16/11/2022	4	Swimming on wetlands.	N/A	N/A
P01990	Non-breeding	Ref No 18	17/11/2022	5	Swimming on flodded field.	N/A	N/A
P02009	Non-breeding	Site 4	27/11/2022	3	In vegetation at western edge of turlough	N/A	N/A
P02011	Non-breeding	Corlea Bog Amenity Walk	27/11/2022	2	Swimming on open water	N/A	N/A
P02044	Non-breeding	Ref No 5	07/12/2022	6	Roosting on open water.	N/A	N/A
P02050	Non-breeding	Ref No 9	07/12/2022	8	Roosting around shore-line.	N/A	N/A
P02054	Non-breeding	Rhynmount Bog	08/12/2022	7	Swimming on wetland.	N/A	N/A
P02069	Non-breeding	Rhynmount Bog	08/12/2022	12	Foraging/ Swimming on wetlands.	N/A	N/A
P02078	Non-breeding	Derrycashel Bog	08/12/2022	6	Swimming on wetland.	N/A	N/A
P02106	Non-breeding	West of Liscacusha, Turlough, South side	27/12/2022	5	On water	N/A	N/A
P02108	Non-breeding	Site 4, Turlough at LeTergullion	27/12/2022	4	Swimming on northside of turlough	N/A	N/A
P02116	Non-breeding	Site 4, Turlough at LeTergullion	27/12/2022	5	Swimming at the SE end	N/A	N/A
P02121	Non-breeding	Newpark, turlough slightly to the	27/12/2022	6	Feeding in mixed group of MA TU and SV WN	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
		east of Turlough Site 4 (same complex)					
P02129	Non-breeding	Corlea Bog Amenity Walk Southside	27/12/2022	10	Flew in and landed on water	N/A	N/A
P02177	Non-breeding	Ref No 10	10/01/2023	2	Roosting	N/A	N/A
P02188	Non-breeding	Rhynmount Bog VP1	13/01/2023	12	Foraging on wetland.	N/A	N/A
P02191	Non-breeding	Rhynmount Bog VP2	13/01/2023	2	Foraging on wetland.	N/A	N/A
P02194	Non-breeding	Rhynmount Bog VP3	13/01/2023	25	Foraging on wetland.	N/A	N/A
P02134	Non-breeding	Corlea Bog Amenity Walk	15/01/2023	8	Swimming	N/A	N/A
P02135	Non-breeding	Corlea Bog Amenity Walk	15/01/2023	18	Hidden bedind reed, took off, circled and landed in same area	N/A	N/A
P02314	Non-breeding	Corlea Bog Amenity Walk	15/01/2023	8	Swimming	N/A	N/A
P02315	Non-breeding	Corlea Bog Amenity Walk	15/01/2023	18	Hidden bedind reed, took off, circled and landed in same area	N/A	N/A
P02205	Non-breeding	Derrycashel Bog	23/01/2023	1	Foraging on wetland.	N/A	N/A
P02144	Non-breeding	NE of Lisnacusha	29/01/2023	5	Flew in and landed near TU	N/A	N/A
P02150	Non-breeding	Site 4, Turlough	29/01/2023	5	Swimming near centre	N/A	N/A
P02163	Non-breeding	Greenhall Upper	29/01/2023	11	(as above)	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02324	Non-breeding	NE of Lisnacusha	29/01/2023	5	Flew in and landed near TU	N/A	N/A
P02330	Non-breeding	Site 4, Turlough	29/01/2023	5	Swimming near centre	N/A	N/A
P02343	Non-breeding	Greenhall Upper	29/01/2023	11	(as above)	N/A	N/A
P02224	Non-breeding	Ref No 8	03/02/2023	8	Roosting on open water.	N/A	N/A
P02245	Non-breeding	Ref No 12	10/02/2023	4	Swimming on open water.	N/A	N/A
P02248	Non-breeding	Derrycashel Bog	10/02/2023	7	Swimming on wetland.	N/A	N/A
P02261	Non-breeding	Rhynmount Bog VP1	16/02/2023	5	Swimming on wetland.	N/A	N/A
P02273	Non-breeding	Rhynmount Bog VP3	16/02/2023	12	Foraging on wetland.	N/A	N/A
P02416	Non-breeding	Ref No 8	03/03/2023	5	Foraging on open water.	N/A	N/A
P02429	Non-breeding	Ref No 10	03/03/2023	2	Foraging on open water.	N/A	N/A
P02436	Non-breeding	Ref No 5	03/03/2023	2	Foraging on open water.	N/A	N/A
P02451	Non-breeding	Rhynmount Bog VP1	16/03/2023	2	Swimming on wetland.	N/A	N/A
P02456	Non-breeding	Rhynmount Bog VP2	16/03/2023	2	Swimming on wetland.	N/A	N/A
P02470	Non-breeding	Rhynmount Bog VP3	16/03/2023	6	Foraging	N/A	N/A
P02473	Non-breeding	Ref No 13	16/03/2023	2	Foraging	N/A	N/A
P02477	Non-breeding	Ref No 12	16/03/2023	2	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02480	Non-breeding	Derrycashel Bog	16/03/2023	5	Foraging	N/A	N/A
P02385	Non-breeding	Corlea Walkway	23/03/2023	7	3 on water, 4 flying over	N/A	N/A
P02388	Non-breeding	Derrylough	23/03/2023	2	M and F flew over and off site	N/A	N/A
P02391	Non-breeding	Site 23, Stewart Family Farm	23/03/2023	1	Flew in and landed in small pool near car park	N/A	N/A
P02392	Non-breeding	South of Lanesboro	24/03/2023	2	On water, ascended and landed again	N/A	N/A
P02397	Non-breeding	Carrigens turlough/fields	24/03/2023	4	On water	N/A	N/A
P02412	Non-breeding	East of Location 4	24/03/2023	3	Swimming	N/A	N/A
P02414	Non-breeding	Field / pool complex	24/03/2023	12	On water but flushed, circled around and landed again	N/A	N/A
P04160	Breeding	Ref No 8	14/04/2023	9	Foraging	N/A	N/A
P04171	Breeding	Gortgallan Bog	14/04/2023	3	Swimming	N/A	N/A
P04177	Breeding	Derrycashel Bog	14/04/2023	12	6 adults, 6 chicks.	FL	Confirmed
P04186	Breeding	Ref No 12	14/04/2023	2	Foraging	N/A	N/A
P04199	Breeding	Rhymount VP1	14/04/2023	1	Foraging	N/A	N/A
P04203	Breeding	Rhymount VP2	14/04/2023	3	Foraging	N/A	N/A
P04275	Breeding	Lough Ree	27/04/2023	2	2 mallard on lake	H	Possible
P04282	Breeding	Corlea lake	27/04/2023	4	4 mallard on lake	H	Possible
P04320	Breeding	Onsite	03/05/2023	3	Swimming	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04330	Breeding	Rhynmount VP1	03/05/2023	3	Swimming	N/A	N/A
P04335	Breeding	Rhynmount VP2	03/05/2023	3	Swimming	N/A	N/A
P04340	Breeding	Rhynmount VP3	03/05/2023	3	Swimming	N/A	N/A
P04347	Breeding	Ref No: 12	03/05/2023	3	Swimming	N/A	N/A
P04353	Breeding	Derrycashel Bog	03/05/2023	7	2 adults, 5 ducklings	FL	Confirmed
P04415	Breeding	5 KM radius	26/05/2023	4	4 Mallard fedding on lake	H	Possible
P04422	Breeding	5 KM radius	26/05/2023	8	8 Mallard on lake	H	Possible
P04427	Breeding	5 KM radius	26/05/2023	18	18 Mallard on Turlough, Adults and 8 young	FL	Confirmed
P04470	Breeding	Onsite	02/06/2023	4	Foraging	N/A	N/A
P04483	Breeding	Rhynmount VP2	02/06/2023	6	Swimming	N/A	N/A
P04501	Breeding	Ref No: 8	02/06/2023	1	Roosting	H	Possible
P04517	Breeding	Lough Ree	09/06/2023	12	12 Mallard on lake	H	Possible
P04522	Breeding	5 KM radius	09/06/2023	16	16 Mallard on Turlough, Adults and 8 young	FL	Confirmed
P04529	Breeding	5 KM radius	09/06/2023	4	4 Mallard on lake	H	Possible
P04595	Breeding	Onsite	07/07/2023	5	Swimming Adults, juvs.	P	Probable
P04604	Breeding	Onsite	07/07/2023	3	Swimming	N/A	N/A
P04623	Breeding	Derrycashel Bog	07/07/2023	2	Swimming	N/A	N/A
P04650	Breeding	01832 63178	19/07/2023	4	4 Mallard on Turlough	N/A	N/A
P04654	Breeding	09200 61800	19/07/2023	6	6 Mallard on lake	N/A	N/A
P04716	Breeding	Onsite	03/08/2023	7	Flushed from cover.	N/A	N/A
P04726	Breeding	Rhynmount VP2	03/08/2023	1	Swimming	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04733	Breeding	Ref No: 8	03/08/2023	21	Juvenile swimming.	N/A	N/A
P04753	Breeding	Lough Ree	10/08/2023	8	8 Mallard on Lough Ree	N/A	N/A
P04840	Breeding	01724 63197	07/09/2023	8	8 Mallard on Turlough	N/A	N/A
P04812	Breeding	Ref No: 8	28/09/2023	12	Foraging	N/A	N/A
P04819	Breeding	Gortgallan Bog	28/09/2023	27	Swimming	N/A	N/A
P04821	Breeding	Derrycashel Bog	28/09/2023	11	Swimming	N/A	N/A
P04830	Breeding	Onsite	29/09/2023	10	Flushed from cover.	N/A	N/A
P06430	Non-breeding	5	06/10/2023	6	6 Mallard on lake	N/A	N/A
P06437	Non-breeding	N/A	06/10/2023	2	2 Mallard on turlough	N/A	N/A
P06438	Non-breeding	4	06/10/2023	8	8 Mallard on turlough	N/A	N/A
P06372	Non-breeding	Ref No: 10	10/10/2023	6	Foraging	N/A	N/A
P06378	Non-breeding	Ref No: 8	10/10/2023	6	Foraging	N/A	N/A
P06387	Non-breeding	Derrycashel Bog	10/10/2023	6	Swimming	N/A	N/A
P06389	Non-breeding	Ref No: 12	11/10/2023	9	Foraging	N/A	N/A
P06392	Non-breeding	Ref No: 13	11/10/2023	11	Swimming	N/A	N/A
P06394	Non-breeding	Ref No: 17	11/10/2023	7	Swimming	N/A	N/A
P06396	Non-breeding	Rhynmount	11/10/2023	12	Swimming	N/A	N/A
P06401	Non-breeding	Onsite	11/10/2023	6	Flyover	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06443	Non-breeding	N/A	14/10/2023	2	2 Mallard on turlough	N/A	N/A
P06452	Non-breeding	4	14/10/2023	10	10 Mallard on turlough	N/A	N/A
P06458	Non-breeding	N/A	18/10/2023	3	3 Mallard on lake	N/A	N/A
P06460	Non-breeding	N/A	18/10/2023	8	8 Mallard on flooded area of bog.	N/A	N/A
P06201	Non-breeding	Ref No: 12	13/11/2023	15	Swimming	N/A	N/A
P06207	Non-breeding	Ref No: 17	13/11/2023	88	Roosting	N/A	N/A
P06211	Non-breeding	Rhynmount	13/11/2023	4	Swimming	N/A	N/A
P06218	Non-breeding	Onsite	13/11/2023	4	Swimming	N/A	N/A
P06269	Non-breeding	Corlea lake	20/11/2023	4	4 Mallard on lake/flooded bog	N/A	N/A
P06276	Non-breeding	4	20/11/2023	6	6 Mallard on turlough	N/A	N/A
P06287	Non-breeding	5	20/11/2023	4	4 Mallard on Lough Ree	N/A	N/A
P06291	Non-breeding	5	23/11/2023	4	4 Mallard on lake/flooded bog	N/A	N/A
P06301	Non-breeding	4	23/11/2023	6	6 Mallard on turlough	N/A	N/A
P06308	Non-breeding	N/A	23/11/2023	4	4 Mallard on flooded bog/small lake	N/A	N/A
P06322	Non-breeding	4	27/11/2023	8	8 Mallard on turlough	N/A	N/A
P06330	Non-breeding	5	27/11/2023	8	8 Mallard on Lough Ree	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06556	Non-breeding	4	06/12/2023	18	18 Mallard on lake	N/A	N/A
P06562	Non-breeding	4	06/12/2023	6	6 Mallard on turlough	N/A	N/A
P06566	Non-breeding	N/A	06/12/2023	4	4 Mallard on Corlea lake/flooded area of bog	N/A	N/A
P06495	Non-breeding	Rhynmount	08/12/2023	17	Swimming	N/A	N/A
P06504	Non-breeding	Ref No: 8	11/12/2023	7	Swimming	N/A	N/A
P06509	Non-breeding	Derrycashel Bog	11/12/2023	12	Swimming	N/A	N/A
P06513	Non-breeding	Ref No: 13	11/12/2023	8	Swimming	N/A	N/A
P06568	Non-breeding	Corlea	18/12/2023	16	16 Mallard on Corlea lake/flooded bog	N/A	N/A
P06571	Non-breeding	4	18/12/2023	12	12 Mallard on turlough	N/A	N/A
P06636	Non-breeding	Southern half of site	02/01/2024	55	N/A	N/A	N/A
P06641	Non-breeding	Southern half of site	02/01/2024	4	N/A	N/A	N/A
P06607	Non-breeding	Derrycashel Bog	05/01/2024	6	N/A	N/A	N/A
P06626	Non-breeding	Rhynmount	12/01/2024	10	N/A	N/A	N/A
P06635	Non-breeding	Onsite	12/01/2024	12	N/A	N/A	N/A
P06649	Non-breeding	Southern half of site	25/01/2024	8	N/A	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06687	Non-breeding	Gortgallan Bog	06/02/2024	4	N/A	N/A	N/A
P06688	Non-breeding	Derrycashel Bog	06/02/2024	6	N/A	N/A	N/A
P06694	Non-breeding	Ref No: 12	06/02/2024	2	N/A	N/A	N/A
P06706	Non-breeding	Rhynmount	14/02/2024	12	N/A	N/A	N/A
P06714	Non-breeding	Onsite	14/02/2024	4	N/A	N/A	N/A
P06722	Non-breeding	Southern half of site	19/02/2024	8	8 Mallard on Wetland	N/A	N/A
P06732	Non-breeding	Southern half of site	19/02/2024	12	On lake	N/A	N/A
P06736	Non-breeding	Southern half of site	19/02/2024	12	On Turlough	N/A	N/A
P06741	Non-breeding	Southern half of site	19/02/2024	12	On Turlough	N/A	N/A
P06749	Non-breeding	Southern half of site	21/02/2024	12	On Turlough	N/A	N/A
P06752	Non-breeding	Southern half of site	21/02/2024	12	On Turlough	N/A	N/A
P06757	Non-breeding	Southern half of site	23/02/2024	12	12 Mallard on wetland area of bog	N/A	N/A
P06763	Non-breeding	Southern half of site	23/02/2024	6	On Lough Ree	N/A	N/A
P06779	Non-breeding	Ref No: 8	07/03/2024	3	Roosting	N/A	N/A
P06792	Non-breeding	Derrycashel Bog	07/03/2024	5	Swimming	N/A	N/A
P06816	Non-breeding	Onsite	08/03/2024	3	Swimming	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04936	Breeding	Ref No:2	08/04/2024	4	Flushed from cover.	N/A	N/A
P04957	Breeding	Ref No:12	15/04/2024	1	Roosting.	N/A	N/A
P04962	Breeding	2 km North of site	16/04/2024	2	2 Mallard took flight from wetland	P	Probable
P04965	Breeding	2 km North of site	17/04/2024	3	3 Mallard took flight from wetland	H	Possible
P04968	Breeding	2 km North of site	17/04/2024	5	5 Mallards took flight from wetland	H	Possible
P04974	Breeding	2 km North of site	18/04/2024	3	3 Mallard took flight from wetland	H	Possible
P04978	Breeding	2 km North of site	18/04/2024	2	2 Mallard took flight from wetland area of bog.	H	Possible
P05098	Breeding	Ref No:2	10/05/2024	3	Flushed from cover.	N/A	N/A
P05159	Breeding	2Km Buffer	14/05/2024	1	Mallard took flight from wetland	N/A	N/A
P05161	Breeding	2Km Buffer	14/05/2024	2	2 Mallard took flight from wetland	N/A	N/A
P05177	Breeding	2KM Buffer	15/05/2024	2	2 Mallard took flight from wetland	N/A	N/A
P05183	Breeding	2KM Buffer	15/05/2024	4	4 Mallard in suitable habitat	H	Possible
P05186	Breeding	2KM Buffer	15/05/2024	2	2 Mallard in suitable habitat	H	Possible
P05192	Breeding	2KM Buffer	16/05/2024	2	Pair of mallard on stream/river	P	Probable
P05194	Breeding	2KM Buffer	16/05/2024	3	3 Mallard took flight from wetland	N/A	N/A
P05314	Breeding	Ref No:12	11/06/2024	6	Swimming.	N/A	N/A
P05330	Breeding	2km buffer	17/06/2024	2	2 Mallard took flight from wetland	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05337	Breeding	2km buffer	17/06/2024	3	3 Mallard took flight from wetland	N/A	N/A
P05345	Breeding	2km buffer	18/06/2024	4	4 Mallard on lake	H	Possible
P05351	Breeding	2km buffer	18/06/2024	6	6 Mallard on lake	N/A	N/A
P05355	Breeding	2km buffer	18/06/2024	3	3 Mallard on flooded area of bog.	N/A	N/A
P05376	Breeding	2KM buffer	24/06/2024	4	2 Mallard took flight from wetland	N/A	N/A
P05458	Breeding	Ref No:1	03/07/2024	6	Swimming.	N/A	N/A
P05461	Breeding	Ref No:2	03/07/2024	2	Swimming.	N/A	N/A
P05481	Breeding	Ref No:11	05/07/2024	6	Flushed from cover.	N/A	N/A
P05484	Breeding	Ref No:12	05/07/2024	6	Swimming.	N/A	N/A
P05519	Breeding	2km buffer	24/07/2024	4	4 Mallard on lake	N/A	N/A
P05522	Breeding	2km buffer	24/07/2024	5	5 Mallard feeding on lake	N/A	N/A
P05525	Breeding	2km buffer	24/07/2024	4	4 Mallard on flooded area of bog.	N/A	N/A
P05532	Breeding	2km buffer	29/07/2024	2	2 Mallard took flight from wetland.	N/A	N/A
P05534	Breeding	2km buffer	29/07/2024	6	6 Mallard on wetland	N/A	N/A
P05538	Breeding	2km buffer	29/07/2024	2	2 Mallard took flight from wetland.	N/A	N/A
P05545	Breeding	2KM Buffer	30/07/2024	5	5 Mallard took flight from wetland.	N/A	N/A
P05548	Breeding	2KM Buffer	30/07/2024	3	3 Mallard took flight from wetland.	N/A	N/A
P05626	Breeding	Ref No:12	09/08/2024	6	Foraging	N/A	N/A
P05665	Breeding	2 Km buffer	20/08/2024	6	6 Mallard took flight from wetland	N/A	N/A
P05669	Breeding	2 Km buffer	20/08/2024	8	8 Mallard took flight from wetland	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05672	Breeding	2 Km buffer	20/08/2024	15	15 Mallard took flight from wetland	N/A	N/A
P05690	Breeding	2 km buffer	21/08/2024	5	5 Mallard took flight from wetland	N/A	N/A
P05765	Breeding	Ref No:7	02/09/2024	4	Swimming.	N/A	N/A
P05792	Breeding	2km buffer	03/09/2024	2	2 Mallard on wetland area	N/A	N/A
P05794	Breeding	2km buffer	03/09/2024	8	8 Mallard on wetland area	N/A	N/A
P05809	Breeding	2km buffer	04/09/2024	3	3 Mallard on lake	N/A	N/A
P05811	Breeding	2km buffer	04/09/2024	5	5 Mallards on lake	N/A	N/A
P05772	Breeding	Ref No:10	06/09/2024	3	Flushed from cover.	N/A	N/A
P05777	Breeding	Ref No:11	06/09/2024	4	Swimming.	N/A	N/A
P05783	Breeding	Ref No:12	06/09/2024	1	Swimming.	N/A	N/A
P05845	Breeding	2km buffer	16/09/2024	4	4 Mallard took flight from wetland	N/A	N/A
P05851	Breeding	2km buffer	16/09/2024	6	6 Mallard took flight from wetland	N/A	N/A
P05853	Breeding	2km buffer	16/09/2024	4	4 Mallard took flight from wetland	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00051	Breeding	T1	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00064	Breeding	T4	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00066	Breeding	T4	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00068	Breeding	T4	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00074	Breeding	T5	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00077	Breeding	T6	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00085	Breeding	T10	12/05/2021	N/A	1	N/A	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00092	Breeding	T10	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00094	Breeding	T10	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00059	Breeding	T2	13/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00111	Breeding	T13	13/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00101	Breeding	T11	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00104	Breeding	T11	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00115	Breeding	T18	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00132	Breeding	T1	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00156	Breeding	T4	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00183	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00188	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00191	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00195	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00199	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00207	Breeding	T11	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00208	Breeding	T11	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00210	Breeding	T11	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00218	Breeding	T13	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00138	Breeding	T2	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P01007	Breeding	T14	08/04/2022	N/A	2	PB4	Flushed from cover	N/A	N/A
P01150	Breeding	T4	12/04/2022	09:49	4	pb4	H	H	Possible
P01154	Breeding	T4	12/04/2022	09:54	2	pb4	H	H	Possible
P01163	Breeding	T5	13/04/2022	10:08	2	pb4	p	P	Probable
P01165	Breeding	T5	13/04/2022	10:12	2	pb4	p	P	Probable
P01023	Breeding	T18	19/04/2022	N/A	1	PB4	Flushed from cover	N/A	N/A
P01025	Breeding	T18	19/04/2022	N/A	3	PB4	Flushed from cover	N/A	N/A
P01029	Breeding	T13	19/04/2022	N/A	2	PB4	Flushed from cover	N/A	N/A
P01031	Breeding	T16	19/04/2022	N/A	1	PB4	Flushed from cover	N/A	N/A
P01035	Breeding	T12	20/04/2022	N/A	2	PB4	Flushed from cover	N/A	N/A
P01043	Breeding	T17	21/04/2022	N/A	3	PB4	Flushed from cover	H	Possible
P01049	Breeding	T6	21/04/2022	N/A	2	PB4	Flying over.	F	Non-Breeding
P01056	Breeding	T10	22/04/2022	N/A	1	PB4	Flushed from cover	N/A	N/A
P01220	Breeding	T14	05/05/2022	N/A	1	PB4	N/A	N/A	N/A
P01239	Breeding	T17	11/05/2022	N/A	2	PB4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01251	Breeding	T11	12/05/2022	N/A	2	PB4	Flushed.	N/A	N/A
P01264	Breeding	T10	13/05/2022	N/A	9	PB4	Flushed.	N/A	N/A
P01174	Breeding	T5	17/05/2022	07:08	4	pb4	h	H	Possible
P01190	Breeding	T4	17/05/2022	08:29	1	pb4	H	H	Possible
P01195	Breeding	T2	17/05/2022	N/A	2	GS4	H	H	Possible
P01349	Breeding	T5	09/06/2022	11:12	1	pb4	N/A	F	Non-Breeding
P01351	Breeding	T5	09/06/2022	11:25	4	pb4	N/A	H	Possible
P01354	Breeding	T5	09/06/2022	11:40	2	pb4	N/A	H	Possible
P01358	Breeding	T4	09/06/2022	N/A	13	pb4	N/A	F	Non-Breeding
P01401	Breeding	T20	09/06/2022	N/A	5	PB4	Flushed.	N/A	N/A
P01409	Breeding	T11	10/06/2022	N/A	12	PB4	Flushed.	N/A	N/A
P01423	Breeding	T10	14/06/2022	N/A	8	PB4	Flushed.	N/A	N/A
P01518	Breeding	T11	07/07/2022	N/A	23	PB4	Flushed	N/A	N/A
P01547	Breeding	T20	12/07/2022	N/A	6	PB4	Flushed	N/A	N/A
P01652	Breeding	T13	08/08/2022	N/A	1	PB4	Flushed	N/A	N/A
P01653	Breeding	T16	08/08/2022	N/A	2	PB4	Swimming	N/A	N/A
P01658	Breeding	T11	09/08/2022	N/A	1	PB4	Flushed	N/A	N/A
P01661	Breeding	T11	09/08/2022	N/A	2	PB4	Flushed	N/A	N/A
P01663	Breeding	T20	09/08/2022	N/A	2	PB4	Flushed	N/A	N/A
P01668	Breeding	T10	10/08/2022	N/A	6	PB4	Flushed	N/A	N/A
P01683	Breeding	T17	17/08/2022	N/A	1	PB4	Flushed	N/A	N/A
P01637	Breeding	T4	24/08/2022	N/A	2	pb4	N/A	N/A	N/A
P01743	Breeding	T14	05/09/2022	N/A	2	PB4	Flushed	N/A	N/A
P01747	Breeding	T19	05/09/2022	N/A	2	PB4	Flushed	N/A	N/A
P01756	Breeding	T11	12/09/2022	N/A	3	PB4	Flushed	N/A	N/A
P01763	Breeding	T20	12/09/2022	N/A	36	PB4	Flushed	N/A	N/A
P01768	Breeding	T20	12/09/2022	N/A	7	PB4	Flushed	N/A	N/A
P01774	Breeding	T10	13/09/2022	N/A	7	PB4	Flushed	N/A	N/A
P01778	Breeding	T18	14/09/2022	N/A	21	PB4	Flushed	N/A	N/A
P01788	Breeding	T7	26/09/2022	N/A	135	PB4	Flushed	N/A	N/A
P01731	Breeding	Transect 4	27/09/2022	09:28	3	pb4	flying over	N/A	N/A
P01735	Breeding	Transect 5	27/09/2022	N/A	13	pb4	F	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01740	Breeding	Transect 2	29/09/2022	12:12	2	pb4	h	N/A	N/A
P02580	Non-breeding	T21	05/10/2022	11:00	7	PB4	Flushed	N/A	N/A
P02597	Non-breeding	T20	05/10/2022	12:20	44	PB4	Flushed	N/A	N/A
P02649	Non-breeding	T16	06/10/2022	12:20	4	PB4	Flyover	N/A	N/A
P02663	Non-breeding	T18	06/10/2022	13:35	22	PB4	Foraging	N/A	N/A
P02798	Non-breeding	T14	03/11/2022	08:20	2	PB4	Flushed.	N/A	N/A
P03159	Non-breeding	T11	18/12/2022	N/A	6	PB4	Flying, Swimming	N/A	N/A
P03172	Non-breeding	T13	19/12/2022	08:45	1	PB4	Flyover	N/A	N/A
P03179	Non-breeding	T16	19/12/2022	09:25	3	PB4	Swimming	N/A	N/A
P03206	Non-breeding	T10	26/12/2022	N/A	11	N/A	Swimming, Flying	N/A	N/A
P03220	Non-breeding	T4	03/01/2023	N/A	2	FL1	Swimming	N/A	N/A
P03396	Non-breeding	T11	21/01/2023	N/A	11	PB4	Flying, Circling	N/A	N/A
P03469	Non-breeding	T4	04/02/2023	N/A	2	FL1	Swimming, Flying	N/A	N/A
P03509	Non-breeding	T19	09/02/2023	09:55	2	PB4	Flyover.	N/A	N/A
P03524	Non-breeding	T17	09/02/2023	10:20	2	PB4	Swimming	N/A	N/A
P03569	Non-breeding	T20	13/02/2023	15:05	10	PB4	Flushed	N/A	N/A
P03626	Non-breeding	T11	15/02/2023	08:30	4	PB4	Swimming	N/A	N/A

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Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P03788	Non-breeding	T14	03/03/2023	09:40	2	PB4	Flushed	N/A	N/A
P03710	Non-breeding	T4	05/03/2023	N/A	6	PB4	Swimming	N/A	N/A
P03715	Non-breeding	T5	12/03/2023	N/A	7	PB4	On water	N/A	N/A
P03850	Non-breeding	T17	14/03/2023	10:10	4	PB4	Swimming	N/A	N/A
P03884	Non-breeding	T11	16/03/2023	09:10	9	PB4	Foraging	N/A	N/A
P03903	Non-breeding	T12	16/03/2023	10:30	2	PB4	Foraging	N/A	N/A
P03919	Non-breeding	T20	20/03/2023	09:40	3	PB4	Flushed	N/A	N/A
P03927	Non-breeding	T20	20/03/2023	10:30	4	PB4	Foraging	N/A	N/A
P04220	Breeding	T5	05/04/2023	13:40	2	PB4	N/A	F	Non-Breeding
P04221	Breeding	T5	05/04/2023	13:52	1	PB4	N/A	H	Possible
P04224	Breeding	T5	05/04/2023	14:10	2	PB4	N/A	H	Possible
P04230	Breeding	T10	06/04/2023	10:50	3	PB4	N/A	H	Possible
P04254	Breeding	T11	13/04/2023	17:25	5	PB4	N/A	F	Non-Breeding
P04259	Breeding	T7	25/04/2023	10:27	4	PB4	N/A	H	Possible
P04391	Breeding	T10	23/05/2023	14:06	4	PB4	N/A	H	Possible
P04301	Breeding	T4	24/05/2023	08:20	3	PB4	N/A	H	Possible
P04305	Breeding	T4	24/05/2023	08:25	9	PB4	N/A	N/A	N/A
P04313	Breeding	T5	24/05/2023	09:45	3	PB4	N/A	N/A	N/A
P04396	Breeding	T11	25/05/2023	08:50	4	PB4	N/A	H	Possible
P04404	Breeding	T12	25/05/2023	15:00	1	PB4	N/A	H	Possible
P04408	Breeding	T12	25/05/2023	15:13	4	PB4	N/A	H	Possible
P04431	Breeding	T19	26/05/2023	12:50	2	fl1	N/A	H	Possible
P04433	Breeding	T16	26/05/2023	17:13	2	PB4	N/A	F	Non-Breeding
P04445	Breeding	T7	30/05/2023	N/A	4	FL1	N/A	H	Possible
P04453	Breeding	T4	21/06/2023	15:20	1	PB4	N/A	N/A	N/A
P04460	Breeding	T4	21/06/2023	16:10	4	PB4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04462	Breeding	T5	21/06/2023	17:20	4	PB4	N/A	N/A	N/A
P04466	Breeding	T5	21/06/2023	17:40	5	PB4	N/A	FL	Confirmed
P04552	Breeding	T10	26/06/2023	16:33	4	PB4	N/A	F	Non-Breeding
P04559	Breeding	T11	28/06/2023	09:35	4	PB4	N/A	H	Possible
P04565	Breeding	T12	28/06/2023	10:46	4	FL8	N/A	H	Possible
P04589	Breeding	T5	05/07/2023	14:05	8	PB4	N/A	N/A	N/A
P04661	Breeding	T10	21/07/2023	14:23	15	FL8	N/A	N/A	N/A
P04683	Breeding	T18	31/07/2023	09:21	4	PB4	N/A	N/A	N/A
P04688	Breeding	T17	31/07/2023	11:30	2	PB4	N/A	N/A	N/A
P04758	Breeding	T10	11/08/2023	12:28	8	PB4	N/A	N/A	N/A
P04768	Breeding	T18	16/08/2023	12:31	2	PB4	N/A	N/A	N/A
P04776	Breeding	T17	18/08/2023	13:25	2	PB4	N/A	N/A	N/A
P04781	Breeding	T19	23/08/2023	16:50	2	FL1	N/A	N/A	N/A
P04786	Breeding	T7	31/08/2023	09:42	2	FL1	N/A	N/A	N/A
P04849	Breeding	T7	07/09/2023	13:40	2	fl1	N/A	N/A	N/A
P04855	Breeding	T10	19/09/2023	10:53	8	PB4	N/A	N/A	N/A
P04857	Breeding	T11	20/09/2023	09:26	2	PB4	N/A	N/A	N/A
P04864	Breeding	T17	20/09/2023	17:30	13	pb4	N/A	N/A	N/A
P04793	Breeding	T4	25/09/2023	11:00	6	PB4	N/A	N/A	N/A
P04797	Breeding	T5	25/09/2023	12:00	31	PB4	N/A	N/A	N/A
P04808	Breeding	T6	29/09/2023	11:45	5	PB4	N/A	N/A	N/A
P06353	Non-breeding	T20	03/10/2023	11:10	2	PB4	Flushed from cover.	N/A	N/A
P06404	Non-breeding	T10	06/10/2023	15:40	5	PB4	Swimming	N/A	N/A
P06368	Non-breeding	T1	11/10/2023	13:30	6	PB4	Swimming.	N/A	N/A
P06370	Non-breeding	T1	11/10/2023	13:55	3	PB4	Swimming.	N/A	N/A
P06409	Non-breeding	T17	12/10/2023	12:00	6	PB4	Swimming	N/A	N/A
P06412	Non-breeding	T18	13/10/2023	09:22	4	PB4	Swimming	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P06416	Non-breeding	T11	13/10/2023	14:20	2	PB4	Swimming	N/A	N/A
P06421	Non-breeding	T4	18/10/2023	15:12	2	PB4	Roosting	N/A	N/A
P06423	Non-breeding	T4	18/10/2023	15:25	2	FL1	Swimming	N/A	N/A
P06160	Non-breeding	T19	03/11/2023	10:10	3	PB4	Swimming.	N/A	N/A
P06181	Non-breeding	T1	13/11/2023	16:40	4	PB4	Swimming.	N/A	N/A
P06240	Non-breeding	T11	21/11/2023	10:32	2	PB4	Swimming	N/A	N/A
P06244	Non-breeding	T17	21/11/2023	13:58	2	PB4	Swimming	N/A	N/A
P06246	Non-breeding	T15	22/11/2023	12:56	5	PB4	Swimming	N/A	N/A
P06247	Non-breeding	T18	23/11/2023	14:25	2	PB4	Swimming	N/A	N/A
P06265	Non-breeding	T13	28/11/2023	08:17	4	PB4	Swimming	N/A	N/A
P06480	Non-breeding	T7	07/12/2023	12:05	6	PB4	Flushed from cover	N/A	N/A
P06485	Non-breeding	T1	08/12/2023	09:35	6	PB4	Swimming	N/A	N/A
P06523	Non-breeding	T13	19/12/2023	09:40	5	PB4	Swimming	N/A	N/A
P06528	Non-breeding	T4	19/12/2023	14:48	4	PB4	Swimming	N/A	N/A
P06534	Non-breeding	T4	19/12/2023	15:22	4	PB4	Swimming	N/A	N/A
P06542	Non-breeding	T18	20/12/2023	13:23	2	PB4	Swimming	N/A	N/A
P06544	Non-breeding	T5	22/12/2023	09:22	4	PB4	Swimming	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05920	Non-breeding	T5	03/01/2024	10:20	6	PB4	N/A	N/A	N/A
P05927	Non-breeding	T4	03/01/2024	10:45	4	PB4	N/A	N/A	N/A
P05930	Non-breeding	T4	03/01/2024	11:00	4	PB4	N/A	N/A	N/A
P05946	Non-breeding	T17	25/01/2024	14:35	2	PB4	N/A	N/A	N/A
P05986	Non-breeding	T4	20/02/2024	08:31	2	PB4	N/A	N/A	N/A
P05991	Non-breeding	T5	20/02/2024	09:45	2	PB4	N/A	N/A	N/A
P05992	Non-breeding	T17	20/02/2024	11:15	5	PB4	N/A	N/A	N/A
P06001	Non-breeding	T11	28/02/2024	10:52	4	PB4	N/A	N/A	N/A
P06007	Non-breeding	T10	29/02/2024	09:18	4	PB4	N/A	N/A	N/A
P06029	Non-breeding	19	04/03/2024	14:10	2	PB4	N/A	N/A	N/A
P06034	Non-breeding	21	05/03/2024	10:30	2	PB4	N/A	N/A	N/A
P06035	Non-breeding	20	05/03/2024	11:35	2	PB4	N/A	N/A	N/A
P06037	Non-breeding	20	05/03/2024	12:20	4	PB4	N/A	N/A	N/A
P06063	Non-breeding	T11	05/03/2024	13:00	6	PB4	N/A	N/A	N/A
P06066	Non-breeding	T11	05/03/2024	13:18	2	PB4	N/A	N/A	N/A
P06070	Non-breeding	T4	05/03/2024	15:43	18	PB4	N/A	N/A	N/A
P06081	Non-breeding	T10	06/03/2024	10:12	2	PB4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P06084	Non-breeding	T13	06/03/2024	12:08	2	PB4	N/A	N/A	N/A
P06086	Non-breeding	T17	06/03/2024	15:35	7	PB4	N/A	N/A	N/A
P06049	Non-breeding	1	08/03/2024	13:05	6	PB4	N/A	N/A	N/A
P06092	Non-breeding	T5	13/03/2024	10:46	4	PB4	N/A	N/A	N/A
P04888	Breeding	T21	02/04/2024	15:30	3	PB4	Flushed	N/A	N/A
P04893	Breeding	T20	02/04/2024	16:35	6	PB4	N/A	N/A	N/A
P04901	Breeding	T20	02/04/2024	17:20	3	PB4	N/A	N/A	N/A
P04906	Breeding	T6	03/04/2024	16:40	6	PB4	N/A	N/A	N/A
P04982	Breeding	T7	08/04/2024	12:03	6	pb4	N/A	H	Possible
P04990	Breeding	T11	08/04/2024	14:11	5	FL8	N/A	H	Possible
P04992	Breeding	T11	08/04/2024	14:23	1	pb4	N/A	H	Possible
P05006	Breeding	T16	09/04/2024	11:14	1	pb4	N/A	H	Possible
P05014	Breeding	T17	09/04/2024	14:28	2	pb4	N/A	P	Probable
P05018	Breeding	T15	09/04/2024	16:09	1	fw4	N/A	H	Possible
P05022	Breeding	T18	10/04/2024	10:55	2	pb4	N/A	P	Probable
P05026	Breeding	T18	10/04/2024	12:15	2	pb4	N/A	P	Probable
P05028	Breeding	T10	10/04/2024	15:38	2	pb4	N/A	P	Probable
P05035	Breeding	T10	10/04/2024	15:58	2	pb4	N/A	P	Probable
P04921	Breeding	T4	15/04/2024	08:35	1	PB4	N/A	N/A	N/A
P04924	Breeding	T1	15/04/2024	09:55	2	PB4	N/A	N/A	N/A
P04930	Breeding	T5	15/04/2024	11:50	4	PB4	N/A	N/A	N/A
P05062	Breeding	T6	09/05/2024	09:45	3	PB4	N/A	N/A	N/A
P05062	Breeding	T6	09/05/2024	09:45	3	PB4	N/A	N/A	N/A
P05072	Breeding	T4	10/05/2024	07:55	6	PB4	N/A	N/A	N/A
P05141	Breeding	T17	10/05/2024	14:32	3	pb4	N/A	N/A	N/A
P05143	Breeding	T11	11/05/2024	15:58	2	pb4	N/A	N/A	N/A
P05146	Breeding	T11	11/05/2024	16:09	2	pb4	N/A	H	Possible
P05149	Breeding	T11	11/05/2024	16:12	2	pb4	N/A	N/A	N/A
P05168	Breeding	T7	14/05/2024	15:14	2	pb4	N/A	N/A	N/A
P05197	Breeding	T10	16/05/2024	10:05	5	PB4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05199	Breeding	T10	16/05/2024	10:11	4	PB4	N/A	N/A	N/A
P05214	Breeding	T13	16/05/2024	11:28	2	PB4	N/A	N/A	N/A
P05240	Breeding	T20	05/06/2024	11:40	2	PB4	N/A	N/A	N/A
P05278	Breeding	T5	11/06/2024	11:10	1	PB4	N/A	N/A	N/A
P05357	Breeding	T18	19/06/2024	10:15	2	PB4	N/A	N/A	N/A
P05368	Breeding	T15	20/06/2024	14:43	2	pb4	N/A	N/A	N/A
P05387	Breeding	T10	25/06/2024	11:35	6	PB4	N/A	N/A	N/A
P05401	Breeding	T11	25/06/2024	14:12	3	PB4	N/A	N/A	N/A
P05422	Breeding	T20	01/07/2024	12:10	1	PB4	N/A	N/A	N/A
P05442	Breeding	T4	05/07/2024	08:35	4	PB4	N/A	N/A	N/A
P05490	Breeding	T10	22/07/2024	15:39	13	PB4	N/A	N/A	N/A
P05497	Breeding	T11	22/07/2024	17:27	5	PB4	N/A	N/A	N/A
P05510	Breeding	T17	23/07/2024	12:46	2	PB4	N/A	N/A	N/A
P05566	Breeding	T20	01/08/2024	11:20	4	PB4	N/A	N/A	N/A
P05630	Breeding	T15	06/08/2024	15:21	5	PB4	N/A	N/A	N/A
P05632	Breeding	T15	06/08/2024	15:54	1	PB4	N/A	N/A	N/A
P05639	Breeding	T10	07/08/2024	13:45	4	PB4	N/A	N/A	N/A
P05642	Breeding	T10	07/08/2024	13:59	2	PB4	N/A	N/A	N/A
P05645	Breeding	T11	07/08/2024	15:46	4	PB4	N/A	N/A	N/A
P05579	Breeding	T4	09/08/2024	07:40	3	PB4	N/A	N/A	N/A
P05582	Breeding	T4	09/08/2024	08:15	2	PB4	N/A	N/A	N/A
P05587	Breeding	T5	09/08/2024	10:00	3	PB4	N/A	N/A	N/A
P05682	Breeding	T7	20/08/2024	13:31	2	PB4	N/A	N/A	N/A
P05694	Breeding	T18	21/08/2024	16:02	1	pb4	N/A	N/A	N/A
P05800	Breeding	T11	03/09/2024	14:55	14	PB4	N/A	N/A	N/A
P05723	Breeding	T20	04/09/2024	11:15	11	PB4	N/A	N/A	N/A
P05734	Breeding	T4	06/09/2024	07:45	4	PB4	N/A	N/A	N/A
P05737	Breeding	T4	06/09/2024	08:10	2	PB4	N/A	N/A	N/A
P05740	Breeding	T5	06/09/2024	09:35	7	PB4	N/A	N/A	N/A
P05835	Breeding	T7	12/09/2024	16:08	2	pb4	N/A	N/A	N/A
P05836	Breeding	T7	12/09/2024	16:19	4	pb4	N/A	N/A	N/A
P05842	Breeding	T16	13/09/2024	12:57	2	PB4	N/A	N/A	N/A
P05856	Breeding	T15	16/09/2024	16:08	2	PB4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00261	Breeding	HHVP5	12/05/2021	18	N/A	N/A
P00264	Breeding	HHVP6	12/05/2021	3	N/A	N/A
P00272	Breeding	HHVP7	12/05/2021	12	N/A	N/A
P00288	Breeding	HHVP10	12/05/2021	1	N/A	N/A
P00301	Breeding	HHVP12	13/05/2021	2	N/A	N/A
P00303	Breeding	HHVP13	13/05/2021	1	N/A	N/A
P00278	Breeding	HHVP8	14/05/2021	22	N/A	N/A
P00323	Breeding	HHVP4	12/06/2021	8	N/A	N/A
P00339	Breeding	HHVP6	12/06/2021	1	N/A	N/A
P00347	Breeding	HHVP8	12/06/2021	44	N/A	N/A
P00358	Breeding	HHVP10	12/06/2021	2	N/A	N/A
P00387	Breeding	HHVP4	17/07/2021	3	N/A	N/A
P00396	Breeding	HHVP5	17/07/2021	7	N/A	N/A
P00403	Breeding	HHVP7	17/07/2021	8	N/A	N/A
P00410	Breeding	HHVP8	17/07/2021	9	N/A	N/A
P00433	Breeding	HHVP11	17/07/2021	1	N/A	N/A
P00441	Breeding	HHVP2	05/08/2021	1	N/A	N/A
P00444	Breeding	HHVP4	05/08/2021	4	N/A	N/A
P00451	Breeding	HHVP5	05/08/2021	14	N/A	N/A
P00461	Breeding	HHVP8	05/08/2021	24	N/A	N/A
P00471	Breeding	HHVP9	05/08/2021	10	N/A	N/A
P00476	Breeding	HHVP10	05/08/2021	1	N/A	N/A
P00485	Breeding	HHVP15	05/08/2021	1	N/A	N/A
P00492	Breeding	HHVP20	05/08/2021	2	N/A	N/A
P00494	Breeding	HHVP1	14/08/2021	1	N/A	N/A
P00507	Breeding	HHVP5	14/08/2021	15	N/A	N/A
P00513	Breeding	HHVP6	14/08/2021	2	N/A	N/A
P00524	Breeding	HHVP8	14/08/2021	8	N/A	N/A
P00535	Breeding	HHVP9	14/08/2021	11	N/A	N/A
P00541	Breeding	HHVP10	14/08/2021	1	N/A	N/A
P00542	Breeding	HHVP11	14/08/2021	1	N/A	N/A
P00547	Breeding	HHVP12	14/08/2021	1	N/A	N/A
P00556	Breeding	HHVP1	09/09/2021	4	N/A	N/A
P00569	Breeding	HHVP5	09/09/2021	13	N/A	N/A
P00582	Breeding	HHVP8	09/09/2021	22	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00595	Breeding	HHVP9	09/09/2021	12	N/A	N/A
P00602	Breeding	HHVP10	09/09/2021	2	N/A	N/A
P00604	Breeding	HHVP11	09/09/2021	1	N/A	N/A
P00612	Breeding	HHVP15	09/09/2021	1	N/A	N/A
P00619	Breeding	HHVP1	30/09/2021	1	N/A	N/A
P00624	Breeding	HHVP4	30/09/2021	3	N/A	N/A
P00631	Breeding	HHVP5	30/09/2021	24	N/A	N/A
P00646	Breeding	HHVP8	30/09/2021	24	N/A	N/A
P00656	Breeding	HHVP9	30/09/2021	10	N/A	N/A
P00659	Breeding	HHVP9	30/09/2021	30	N/A	N/A
P00666	Breeding	HHVP11	30/09/2021	1	N/A	N/A
P00669	Breeding	HHVP14	30/09/2021	1	N/A	N/A
P00675	Non-breeding	HHVP1	26/10/2021	1	N/A	N/A
P00677	Non-breeding	HHVP2	26/10/2021	1	N/A	N/A
P00681	Non-breeding	HHVP4	26/10/2021	2	N/A	N/A
P00685	Non-breeding	HHVP5	26/10/2021	10	N/A	N/A
P00690	Non-breeding	HHVP7	26/10/2021	2	N/A	N/A
P00704	Non-breeding	HHVP9	26/10/2021	10	N/A	N/A
P00708	Non-breeding	HHVP10	28/10/2021	1	N/A	N/A
P00713	Non-breeding	HHVP11	28/10/2021	1	N/A	N/A
P00715	Non-breeding	HHVP14	28/10/2021	3	N/A	N/A
P00725	Non-breeding	HHVP4	24/11/2021	7	N/A	N/A
P00740	Non-breeding	HHVP6	24/11/2021	4	N/A	N/A
P00746	Non-breeding	HHVP8	24/11/2021	2	N/A	N/A
P00769	Non-breeding	HHVP4	25/01/2022	11	N/A	N/A
P00771	Non-breeding	HHVP5	25/01/2022	11	N/A	N/A
P00774	Non-breeding	HHVP6	25/01/2022	3	N/A	N/A
P00783	Non-breeding	HHVP9	25/01/2022	6	N/A	N/A
P00793	Non-breeding	HHVP4	28/02/2022	4	N/A	N/A
P00799	Non-breeding	HHVP5	28/02/2022	12	N/A	N/A
P00812	Non-breeding	HHVP8	28/02/2022	12	N/A	N/A
P00822	Non-breeding	HHVP4	29/03/2022	4	N/A	N/A
P00828	Non-breeding	HHVP5	29/03/2022	16	N/A	N/A
P00839	Non-breeding	HHVP8	29/03/2022	6	N/A	N/A
P00853	Non-breeding	HHVP16	29/03/2022	1	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P06334	Non-breeding	3	17/10/2023	2	N/A	N/A
P06222	Non-breeding	3	19/11/2023	11	N/A	N/A
P05955	Non-breeding	HHVP4	18/02/2024	7	N/A	N/A
P05963	Non-breeding	HHVP6	29/02/2024	3	N/A	N/A
P06013	Non-breeding	3	07/03/2024	2	N/A	N/A
P06016	Non-breeding	4	14/03/2024	2	N/A	N/A
P06018	Non-breeding	4	14/03/2024	2	N/A	N/A
P06021	Non-breeding	5	23/03/2024	2	N/A	N/A
P06024	Non-breeding	5	23/03/2024	2	N/A	N/A
P06028	Non-breeding	6	28/03/2024	3	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P03952	Non-breeding	12/10/2022	5	N/A	N/A
P03966	Non-breeding	14/10/2022	5	N/A	N/A
P04008	Non-breeding	19/12/2022	7	N/A	N/A
P04019	Non-breeding	16/01/2023	5	N/A	N/A
P04033	Non-breeding	07/02/2023	5	N/A	N/A
P04036	Non-breeding	10/02/2023	3	N/A	N/A
P04052	Non-breeding	11/02/2023	3	N/A	N/A
P04055	Non-breeding	16/02/2023	3	N/A	N/A
P04064	Non-breeding	03/03/2023	4	N/A	N/A
P06151	Breeding	11/08/2024	1	N/A	N/A
P06153	Breeding	25/08/2024	1	N/A	N/A

8°2'40"W
7°53'50"W
7°45'0"W
53°45'0"N
53°40'0"N
53°35'0"N
776000
768000
760000
593600
604000
614400

Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8
Sheet 9

Strokestown Golf Club
Townparks (Longford By)
Enybegs
Ballytoohey
Termonbarry
Cloongara
Cloonrollagh
Cloonbalt
Longford
Feraghfad
Stonepark (Ardagh By)
Cloontuskert
Ballyleague
Knock
Keenagh
Fearagh
Knockcroghery
Galey
Lough Ree
Derrymacar Lough
Drinan
Ballymahon

R371
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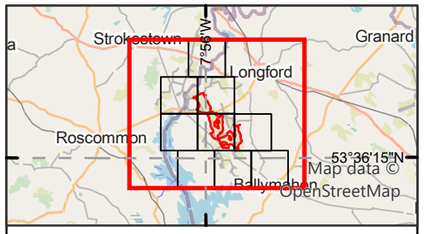
R393
R392
N5
N63
N55



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 1.5 3
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NOTES

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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Mallard
Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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www.tobin.ie

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Map Ref: 11399-041.ApX-SUM-MA-TOB-A

Draft: A

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

7°53'50"W

53°45'0"N

604000

776000

Ballytoohey

Termonbarry

Cloondara

P00303

P02473

P00669, P00715

P01480, P04186, P04347, P06201, P06389, P06694

P06392, P06513

P00485, P00612

P04177, P04353, P04623, P04821, P06387, P06509, P06607, P06688, P06792

P01819

P00853

P00492

P06207, P06394

P00301, P00547

P01919, P02245, P02477

P00433, P00542, P00604, P00666, P00713

P01109, P01990

P01924, P01983, P02078, P02205, P02248, P02480

P04962

P01889, P02054, P02188, P02261, P02451, P04199, P04330

P01299

P01471

P01112

P01807

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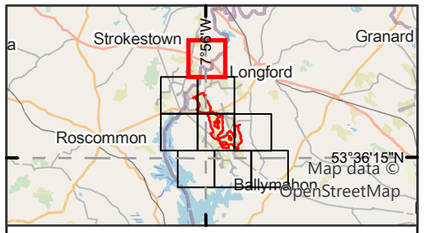

Legend

- Proposed wind farm site boundary
- **Confirmed** Breeding Status*

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22

*should be read with data in Appendix 8.3

0 0.5 1
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NOTES

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Mallard Sheet 1 of 9

Scale @ A3: 1:24,000

Prepared by: S.Pezzetta | Checked by: I.Heanue | Date: May 2025

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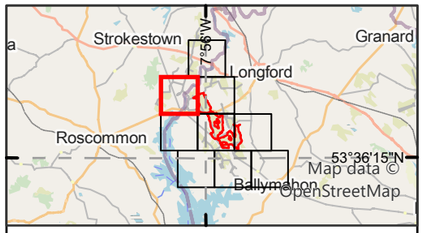
Map Ref: 11399-041.ApX-SUM-MA-TOB-A

Draft: A

8°2'40"W

53°40'0"N

604000



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- **Confirmed** Breeding Status*

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Mallard
Sheet 2 of 9

Scale @ A3: 1:24,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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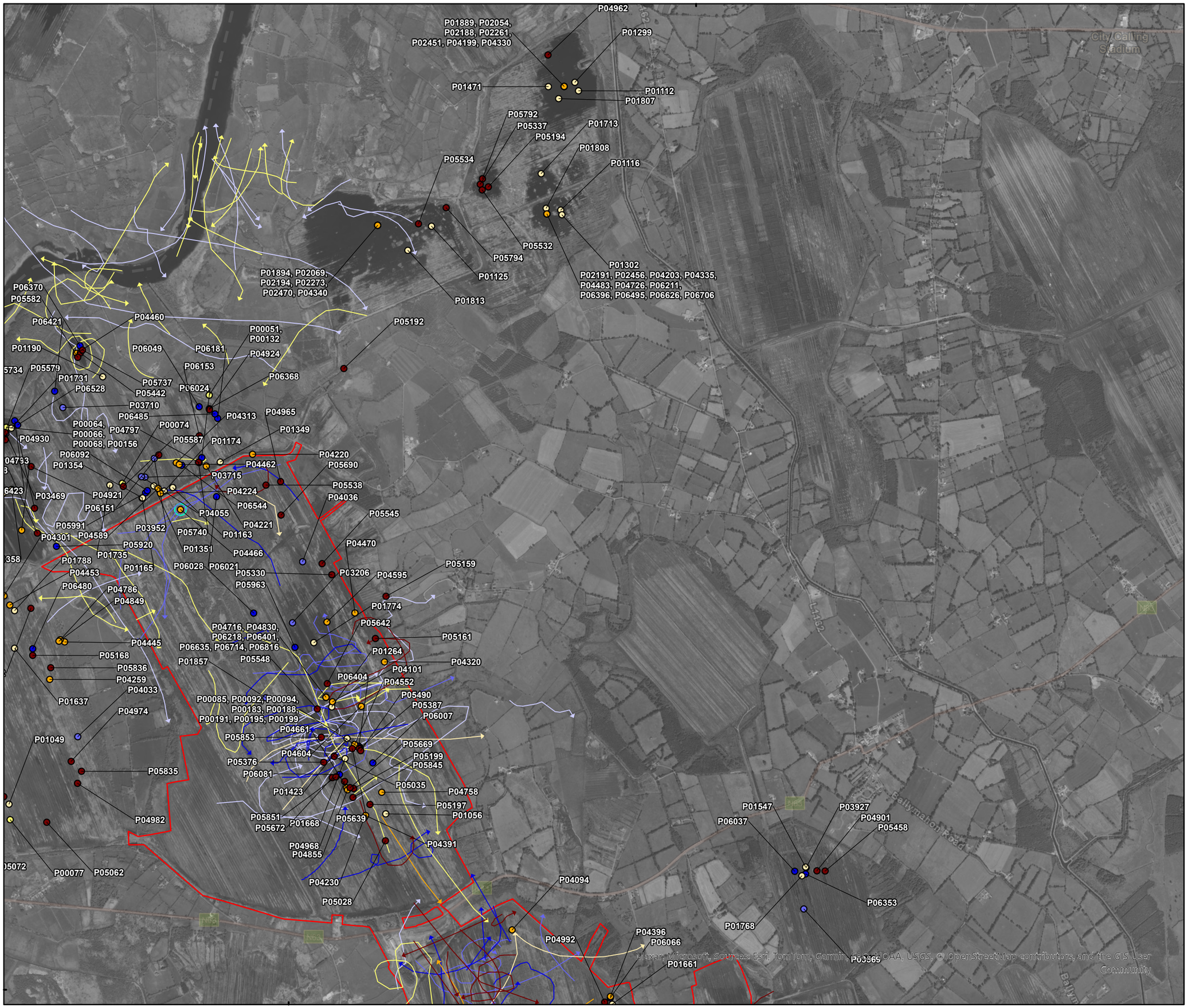
7°53'50"W



53°40'0"N

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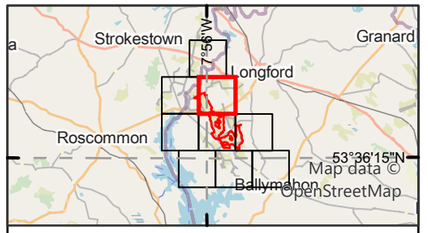

Legend

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- **Confirmed** Breeding Status*

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Mallard
Sheet 3 of 9

Scale @ A3: 1:24,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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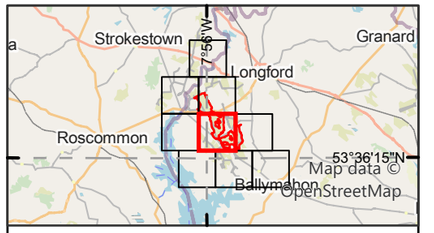

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
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- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Mallard
Sheet 4 of 9

Scale @ A3: 1:24,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref:	Draft:
11399-041.ApX-SUM-MA-TOB-A	A

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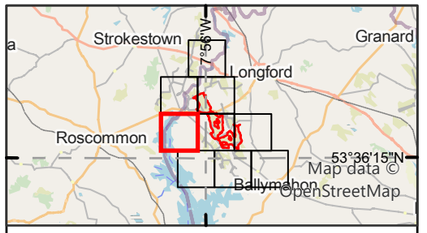

Legend

- Proposed wind farm site boundary
- **Confirmed** Breeding Status*

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING\
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Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Mallard
Sheet 5 of 9

Scale @ A3: 1:24,000

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Map Ref: 11399-041.ApX-SUM-MA-TOB-A

Draft: A

7°53'50"W

53°35'0"N

P02150, P02330
P02014
P02108, P02116
P06438, P06452
P06301
P00323, P00387, P00444, P00624, P00681, P00725, P00769, P00793, P00822
P04650
P06276
P04427, P04522
P01092, P01335
P02414
P02163, P02343
P06246
P05632
P05481, P05777
L-1155
Estate Road
Lough Ree

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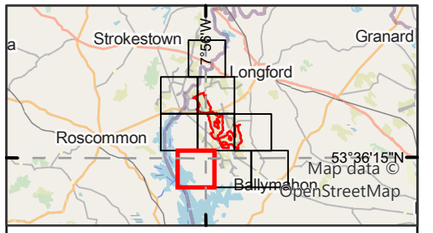
604000

760000



Legend

- Proposed wind farm site boundary
- **Confirmed** Breeding Status*

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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Mallard
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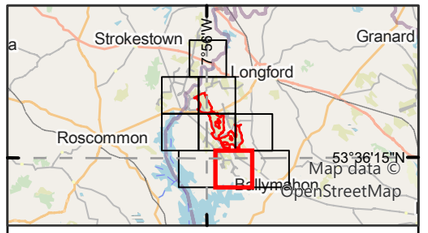

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Breeding-22
- Breeding-23

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Kilometres

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Derryadd Wind Farm

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Flight and non-flight observations
Mallard
Sheet 7 of 9

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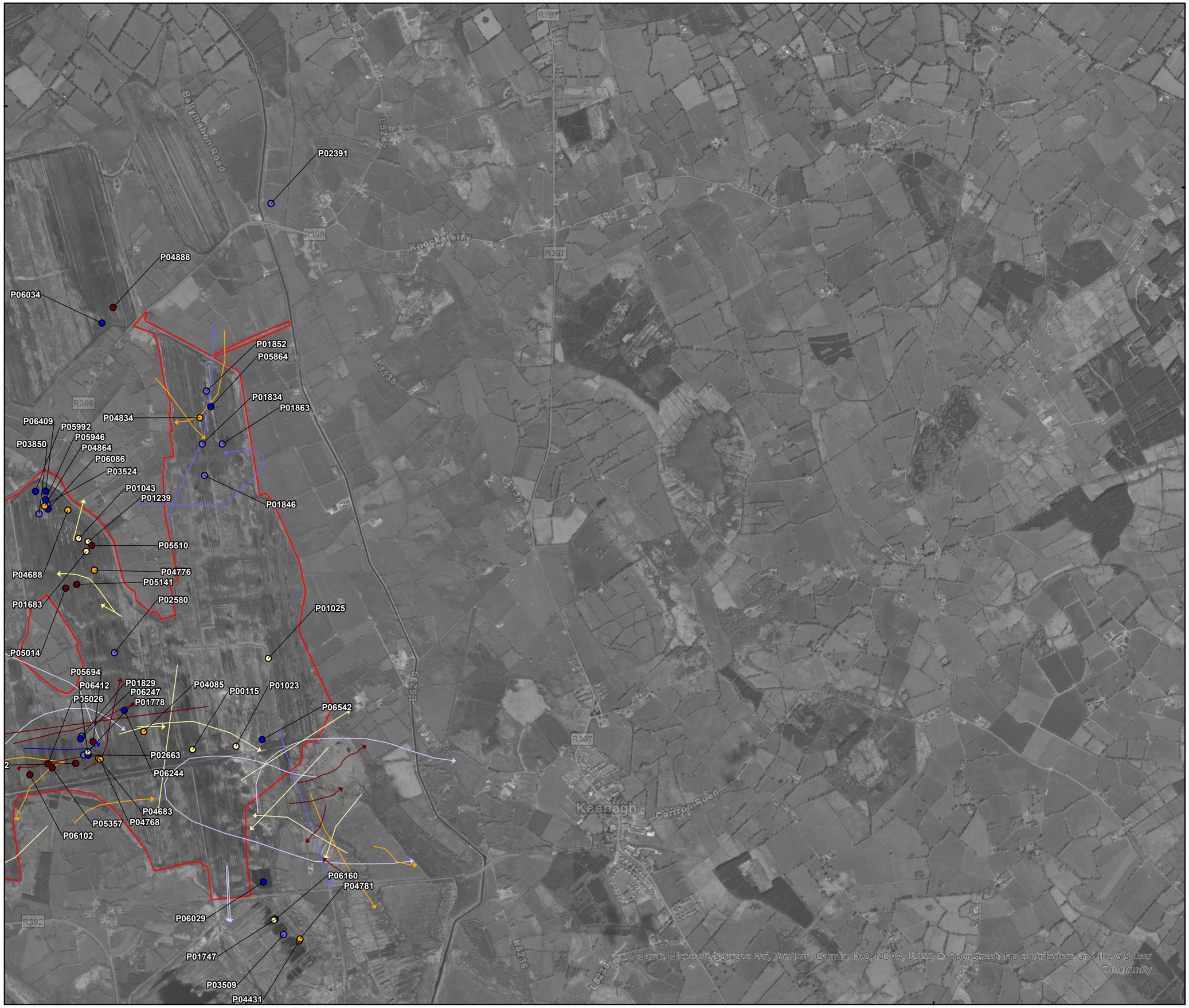

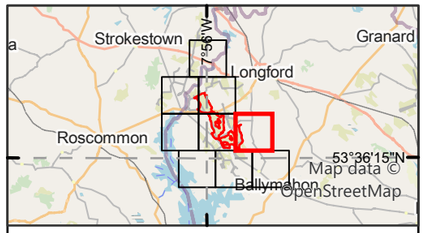

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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7°45'0"W

53°36'15"N

53°30'0"N

614400

760000

P00441, P00677

P00494, P00556, P00619, P00675

L5236

R397

R392

Barry Road

Royal Canal

Drinan

Ballymahon

Main Street

N55

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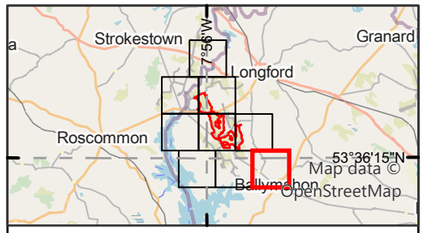

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Breeding-21

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0 0.5 1
Kilometres

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Draft: A

Appendix 8.3oo MEADOW PIPIT

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00916	Breeding	VP4	15/04/2022	08:13	4	pb4	In suitable breeding habitat	P	Probable
P00918	Breeding	VP6	21/04/2022	N/A	4	pb4	Displaying in suitable breeding habitat	D	Probable
P00919	Breeding	VP4	03/05/2022	N/A	3	pb4	Adult carrying food for young	FF	Confirmed
P00920	Breeding	VP5	04/05/2022	N/A	2	pb4	In suitable breeding habitat	P	Probable
P00922	Breeding	VP6	16/05/2022	N/A	5	pb3	Adult carrying food for young	FF	Confirmed
P00926	Breeding	VP2	31/05/2022	N/A	4	PB4	Adult carrying food for young	FF	Confirmed
P00940	Breeding	VP2	10/06/2022	N/A	4	pb4	In suitable breeding habitat	H	Possible
P00941	Breeding	VP4	27/06/2022	N/A	2	pb4	In suitable breeding habitat	H	Possible
P00942	Breeding	VP5	28/06/2022	N/A	5	pb4	In suitable breeding habitat	H	Possible
P00943	Breeding	VP6	29/06/2022	N/A	4	pb4	Displaying in suitable breeding habitat	D	Probable
P00967	Breeding	VP2	06/07/2022	N/A	4	pb4	In suitable breeding habitat	H	Possible

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00972	Breeding	VP6	28/07/2022	17:53	2	PB4	In suitable breeding habitat	H	Possible
P00982	Breeding	VP2	05/08/2022	N/A	2	pb4	In suitable breeding habitat	N/A	N/A
P00984	Breeding	VP4	16/08/2022	N/A	3	pb4	In suitable breeding habitat	N/A	N/A
P00986	Breeding	VP6	30/08/2022	12:18	3	pb4	In suitable breeding habitat	N/A	N/A
P00999	Breeding	VP2	08/09/2022	09:18	2	PB4	N/A	N/A	N/A
P01003	Breeding	VP6	28/09/2022	N/A	3	pb4	N/A	N/A	N/A
P04092	Breeding	VP2	06/04/2023	14:45	2	N/A	DISPLAYING	D	Probable
P04093	Breeding	VP5	13/04/2023	N/A	2	N/A	DISPLAYING	D	Probable
P04095	Breeding	VP6	14/04/2023	N/A	4	N/A	Displaying	D	Probable
P04105	Breeding	VP2	09/05/2023	N/A	4	N/A	Displaying	D	Probable
P04106	Breeding	VP6	10/05/2023	N/A	4	N/A	Displaying	D	Probable
P04108	Breeding	VP5	20/05/2023	N/A	2	N/A	In suitable habitat	H	Possible
P04114	Breeding	VP11	27/05/2023	05:45	4	N/A	Alarm calling	A	Probable
P04120	Breeding	VP6	08/06/2023	N/A	4	N/A	Displaying	H	Possible
P04121	Breeding	VP2	15/06/2023	N/A	3	N/A	N/A	N/A	N/A
P04126	Breeding	VP5	26/06/2023	N/A	2	N/A	Displaying	D	Probable
P04127	Breeding	VP11	27/06/2023	N/A	4	N/A	Displaying	D	Probable
P04128	Breeding	VP9	29/06/2023	N/A	4	N/A	in suitable habitat	H	Possible
P04131	Breeding	VP6	13/07/2023	N/A	5	N/A	In suitable habitat	H	Possible

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04133	Breeding	VP5	20/07/2023	N/A	4	N/A	In suitable habitat	H	Possible
P04134	Breeding	VP2	21/07/2023	N/A	4	N/A	In suitable habitat	H	Possible
P04135	Breeding	VP10	25/07/2023	N/A	5	N/A	In suitable habitat	H	Possible
P04136	Breeding	VP11	26/07/2023	N/A	6	N/A	In suitable habitat	H	Possible
P04137	Breeding	VP9	27/07/2023	N/A	4	N/A	In suitable habitat	H	Possible
P04145	Breeding	VP5	11/08/2023	N/A	4	N/A	In suitable habitat	N/A	N/A
P04146	Breeding	VP2	14/08/2023	N/A	4	N/A	In suitable habitat	N/A	N/A
P04147	Breeding	VP6	15/08/2023	N/A	6	N/A	In suitable habitat	N/A	N/A
P04148	Breeding	VP11	21/08/2023	N/A	5	N/A	In suitable habitat	N/A	N/A
P04835	Breeding	VP2	26/09/2023	N/A	6	N/A	Going to roost	N/A	N/A
P06100	Breeding	VP11	09/04/2024	20:12	3	N/A	N/A	H	Possible
P06101	Breeding	VP9	10/04/2024	19:51	2	N/A	Displaying	D	Probable
P06099	Breeding	VP9	16/05/2024	07:26	2	PB4	Foraging	H	Possible
P06114	Breeding	VP9	19/06/2024	na	4	N/A	foraging	H	Possible
P06115	Breeding	VP11	20/06/2024	na	4	N/A	Foraging	H	Possible
P06126	Breeding	VP11	23/07/2024	20:57	5	N/A	Foraging	N/A	N/A
P06132	Breeding	VP11	08/08/2024	na	3	N/A	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05179	Breeding	2KM Buffer	15/05/2024	2	2 Meadow Pipits flushed from bog	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01004	Breeding	T14	08/04/2022	N/A	2	PB4	Pair seen together.	P	Probable
P01005	Breeding	T14	08/04/2022	N/A	1	PB4	Flushed from cover	H	Possible
P01009	Breeding	T19	11/04/2022	N/A	2	PB4	Pair seen together.	P	Probable
P01010	Breeding	T19	11/04/2022	N/A	2	PB4	Flushed from cover.	H	Possible
P01014	Breeding	T15	12/04/2022	N/A	2	PB4	Flushed from cover	H	Possible
P01015	Breeding	T15	12/04/2022	N/A	1	PB4	Male singing	S	Possible
P01016	Breeding	T15	12/04/2022	N/A	1	PB4	Male singing	S	Possible
P01017	Breeding	T15	12/04/2022	N/A	2	PB4	Flushed from cover	H	Possible
P01137	Breeding	T2	12/04/2022	07:39	2	gs4	D,h	D	Probable
P01138	Breeding	T2	12/04/2022	07:42	2	gs4	D,h	D	Probable
P01141	Breeding	T2	12/04/2022	07:52	2	gs4	D,h	D	Probable
P01142	Breeding	T2	12/04/2022	07:58	3	gs4	D,h	D	Probable
P01143	Breeding	T2	12/04/2022	07:59	4	gs4	D,h	D	Probable
P01145	Breeding	T4	12/04/2022	09:15	2	pb4	H	H	Possible
P01146	Breeding	T4	12/04/2022	09:16	2	pb4	H	H	Possible
P01153	Breeding	T4	12/04/2022	09:54	1	pb4	H	H	Possible
P01155	Breeding	T4	12/04/2022	09:55	2	pb4	H	H	Possible
P01019	Breeding	T21	13/04/2022	N/A	1	PB4	Male singing	S	Possible
P01156	Breeding	T1	13/04/2022	08:42	2	pb4	p	P	Probable
P01157	Breeding	T1	13/04/2022	08:45	2	pb4	p	P	Probable
P01020	Breeding	T18	19/04/2022	N/A	1	PB4	Male singing	S	Possible
P01021	Breeding	T18	19/04/2022	N/A	2	PB4	Flushed from cover	N/A	N/A
P01027	Breeding	T13	19/04/2022	N/A	1	PB4	Male singing	S	Possible
P01030	Breeding	T13	19/04/2022	N/A	1	PB4	Male singing	S	Possible
P01034	Breeding	T12	20/04/2022	N/A	1	PB4	Male singing	S	Possible
P01039	Breeding	T20	20/04/2022	N/A	1	PB4	Male singing	S	Possible
P01042	Breeding	T20	20/04/2022	N/A	1	PB4	Flushed from cover	H	Possible

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01044	Breeding	T17	21/04/2022	N/A	1	PB4	Male singing	S	Possible
P01045	Breeding	T17	21/04/2022	N/A	1	PB4	Flushed from cover	H	Possible
P01047	Breeding	T6	21/04/2022	N/A	2	PB4	Flushed from cover	H	Possible
P01051	Breeding	T7	21/04/2022	N/A	1	PB4	Flushed from cover	H	Possible
P01066	Breeding	T9	22/04/2022	N/A	3	PB4	Flushed from cover	H	Possible
P01067	Breeding	T8	22/04/2022	N/A	1	PB4	Male singing	S	Possible
P01068	Breeding	T3	22/04/2022	N/A	1	GM1	Male singing	S	Possible
P01171	Breeding	T1	04/05/2022	10:12	2	pb3	d	D	Probable
P01217	Breeding	T14	05/05/2022	N/A	1	PB4	Adult with food	N/A	N/A
P01218	Breeding	T14	05/05/2022	N/A	2	PB4	Male singing.	S	Possible
P01219	Breeding	T14	05/05/2022	N/A	2	PB4	Male singing.	S	Possible
P01221	Breeding	T15	05/05/2022	N/A	1	PB4	Male singing.	S	Possible
P01222	Breeding	T15	05/05/2022	N/A	1	PB4	Male singing.	S	Possible
P01223	Breeding	T15	05/05/2022	N/A	1	PB4	Male singing.	S	Possible
P01224	Breeding	T19	05/05/2022	N/A	2	PB4	Male singing	S	Possible
P01226	Breeding	T19	05/05/2022	N/A	1	PB4	Male singing	S	Possible
P01227	Breeding	T19	05/05/2022	N/A	1	PB4	Male singing	S	Possible
P01229	Breeding	T18	10/05/2022	N/A	1	PB4	N/A	N/A	N/A
P01230	Breeding	T18	10/05/2022	N/A	1	PB4	N/A	N/A	N/A
P01241	Breeding	T17	11/05/2022	N/A	2	PB4	Adult with food.	FF	Confirmed
P01246	Breeding	T20	11/05/2022	N/A	2	PB4	Flushed.	N/A	N/A
P01253	Breeding	T11	12/05/2022	N/A	2	PB4	Adult with food.	FF	Confirmed
P01255	Breeding	T12	12/05/2022	N/A	2	PB4	Flushed.	N/A	N/A
P01256	Breeding	T8	12/05/2022	N/A	2	PB4	Foraging.	H	Possible
P01269	Breeding	T10	13/05/2022	N/A	2	PB4	Flushed.	N/A	N/A
P01274	Breeding	T9	13/05/2022	N/A	2	PB4	Adult with food.	FF	Confirmed
P01276	Breeding	T9	13/05/2022	N/A	1	PB4	Male calling.	S	Possible
P01177	Breeding	T5	17/05/2022	07:25	2	pb4	h	H	Possible
P01178	Breeding	T5	17/05/2022	07:26	2	pb4	h	H	Possible
P01185	Breeding	T4	17/05/2022	08:18	3	pb4	H	FF	Confirmed
P01187	Breeding	T4	17/05/2022	08:25	2	pb4	ff	FF	Confirmed
P01192	Breeding	T2	17/05/2022	N/A	2	GS4	H	H	Possible
P01193	Breeding	T2	17/05/2022	N/A	3	GS4	H	H	Possible
P01197	Breeding	T2	17/05/2022	N/A	4	GS4	H,D,ff	FF	Confirmed

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01280	Breeding	T3	19/05/2022	N/A	1	GM1	Adult with food.	FF	Confirmed
P01283	Breeding	T3	19/05/2022	N/A	1	GM1	Male calling.	S	Possible
P01287	Breeding	T7	19/05/2022	N/A	5	PB4	Fledged young.	FF	Confirmed
P01289	Breeding	T7	19/05/2022	N/A	1	PB4	Flushed.	N/A	N/A
P01374	Breeding	T14	07/06/2022	N/A	1	PB4	Adult with food	FF	Confirmed
P01375	Breeding	T14	07/06/2022	N/A	1	PB4	Adult with food	FF	Confirmed
P01376	Breeding	T14	07/06/2022	N/A	1	PB4	Adult with food	FF	Confirmed
P01378	Breeding	T19	07/06/2022	N/A	1	PB4	Flushed.	N/A	N/A
P01381	Breeding	T19	07/06/2022	N/A	1	PB4	Adult with food.	FF	Confirmed
P01382	Breeding	T15	07/06/2022	N/A	1	PB4	Male calling.	S	Possible
P01383	Breeding	T15	07/06/2022	N/A	2	PB4	Flushed.	N/A	N/A
P01385	Breeding	T21	08/06/2022	N/A	1	PB4	Flushed.	N/A	N/A
P01387	Breeding	T13	08/06/2022	N/A	2	PB4	Flushed.	H	Possible
P01390	Breeding	T13	08/06/2022	N/A	2	PB4	Flushed.	H	Possible
P01392	Breeding	T16	08/06/2022	N/A	1	PB4	Adult with food.	FF	Confirmed
P01393	Breeding	T16	08/06/2022	N/A	1	PB4	Flushed.	H	Possible
P01346	Breeding	T1	09/06/2022	10:17	2	pb4	N/A	H	Possible
P01356	Breeding	T5	09/06/2022	11:45	2	pb4	N/A	H	Possible
P01361	Breeding	T4	09/06/2022	N/A	2	pb4	N/A	H	Possible
P01363	Breeding	T4	09/06/2022	N/A	4	pb4	N/A	H	Possible
P01397	Breeding	T17	09/06/2022	N/A	1	PB4	Flushed.	N/A	N/A
P01398	Breeding	T17	09/06/2022	N/A	4	PB4	Flushed.	N/A	N/A
P01403	Breeding	T20	09/06/2022	N/A	1	PB4	Flushed.	N/A	N/A
P01405	Breeding	T20	09/06/2022	N/A	2	PB4	Flushed.	N/A	N/A
P01365	Breeding	T2	10/06/2022	09:32	4	pb4	N/A	H	Possible
P01414	Breeding	T11	10/06/2022	N/A	2	PB4	Flushed.	N/A	N/A
P01415	Breeding	T11	10/06/2022	N/A	1	PB4	Flushed.	N/A	N/A
P01420	Breeding	T12	10/06/2022	N/A	1	PB4	Male calling.	S	Possible
P01421	Breeding	T12	10/06/2022	N/A	2	PB4	Flushed.	H	Possible
P01427	Breeding	T10	14/06/2022	N/A	1	PB4	Flushed.	H	Possible
P01437	Breeding	T7	17/06/2022	N/A	2	PB4	Flushed.	H	Possible
P01438	Breeding	T7	17/06/2022	N/A	1	PB4	Male calling.	S	Possible
P01439	Breeding	T7	17/06/2022	N/A	2	PB4	Flushed.	H	Possible
P01442	Breeding	T6	17/06/2022	N/A	1	PB4	Male calling.	S	Possible

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01445	Breeding	T3	17/06/2022	N/A	2	GM1	Flushed.	H	Possible
P01448	Breeding	T3	17/06/2022	N/A	1	GM1	Male calling.	S	Possible
P01453	Breeding	T18	20/06/2022	N/A	1	PB4	Flushed.	H	Possible
P01454	Breeding	T8	20/06/2022	N/A	2	PB4	Flushed.	H	Possible
P01497	Breeding	T14	05/07/2022	N/A	4	PB4	Flushed	N/A	N/A
P01498	Breeding	T14	05/07/2022	N/A	3	PB4	Male singing	S	Possible
P01499	Breeding	T15	05/07/2022	N/A	3	PB4	Flushed	N/A	N/A
P01500	Breeding	T15	05/07/2022	N/A	1	PB4	Flushed	N/A	N/A
P01501	Breeding	T15	05/07/2022	N/A	2	PB4	Flushed	N/A	N/A
P01502	Breeding	T19	05/07/2022	N/A	2	PB4	Flushed	N/A	N/A
P01504	Breeding	T19	05/07/2022	N/A	1	PB4	Flushed	N/A	N/A
P01505	Breeding	T19	05/07/2022	N/A	9	PB4	Foraging	N/A	N/A
P01506	Breeding	T13	06/07/2022	N/A	2	PB4	Flushed	N/A	N/A
P01507	Breeding	T13	06/07/2022	N/A	1	PB4	Male singing	S	Possible
P01511	Breeding	T16	06/07/2022	N/A	2	PB4	Flushed	N/A	N/A
P01525	Breeding	T12	07/07/2022	N/A	6	PB4	Flushed	N/A	N/A
P01526	Breeding	T12	07/07/2022	N/A	2	PB4	Flushed	N/A	N/A
P01629	Breeding	T1	08/07/2022	11:05	4	pb4	N/A	H	Possible
P01543	Breeding	T9	11/07/2022	N/A	2	PB4	Flushed	N/A	N/A
P01544	Breeding	T9	11/07/2022	N/A	3	PB4	Flushed	N/A	N/A
P01545	Breeding	T20	12/07/2022	N/A	4	PB4	Flushed	N/A	N/A
P01551	Breeding	T17	12/07/2022	N/A	4	PB4	Flushed	N/A	N/A
P01556	Breeding	T8	13/07/2022	N/A	2	PB4	Flushed	N/A	N/A
P01558	Breeding	T7	14/07/2022	N/A	2	PB4	Flushed	N/A	N/A
P01561	Breeding	T6	14/07/2022	N/A	3	PB4	Flushed	N/A	N/A
P01565	Breeding	T3	14/07/2022	N/A	1	GM1	Perched.	N/A	N/A
P01630	Breeding	T2	28/07/2022	10:12	2	ga1	N/A	H	Possible
P01644	Breeding	T14	05/08/2022	N/A	1	PB4	Flushed	N/A	N/A
P01650	Breeding	T13	08/08/2022	N/A	4	PB4	Flushed	N/A	N/A
P01657	Breeding	T11	09/08/2022	N/A	11	PB4	Foraging	N/A	N/A
P01662	Breeding	T12	09/08/2022	N/A	3	PB4	Foraging	N/A	N/A
P01678	Breeding	T18	11/08/2022	N/A	10	PB4	Foraging	N/A	N/A
P01680	Breeding	T18	11/08/2022	N/A	16	PB4	Foraging	N/A	N/A
P01684	Breeding	T17	17/08/2022	N/A	6	PB4	Foraging	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01687	Breeding	T7	23/08/2022	N/A	9	PB4	Foraging	N/A	N/A
P01689	Breeding	T6	23/08/2022	N/A	5	PB4	Foraging	N/A	N/A
P01635	Breeding	T4	24/08/2022	N/A	4	pb4	N/A	N/A	N/A
P01636	Breeding	T4	24/08/2022	N/A	3	pb4	N/A	N/A	N/A
P01639	Breeding	T5	24/08/2022	N/A	5	pb4	N/A	N/A	N/A
P01742	Breeding	T14	05/09/2022	N/A	1	PB4	Flushed	N/A	N/A
P01746	Breeding	T19	05/09/2022	N/A	1	PB4	Flushed	N/A	N/A
P01753	Breeding	T16	08/09/2022	N/A	5	PB4	Foraging	N/A	N/A
P01759	Breeding	T11	12/09/2022	N/A	6	PB4	Foraging	N/A	N/A
P01762	Breeding	T12	12/09/2022	N/A	6	PB4	Flushed	N/A	N/A
P01766	Breeding	T20	12/09/2022	N/A	3	PB4	Foraging	N/A	N/A
P01776	Breeding	T10	13/09/2022	N/A	6	PB4	Foraging	N/A	N/A
P01777	Breeding	T9	13/09/2022	N/A	N/A	PB4	Foraging	N/A	N/A
P01783	Breeding	T18	14/09/2022	N/A	6	PB4	Foraging	N/A	N/A
P01784	Breeding	T17	16/09/2022	N/A	7	PB4	Foraging	N/A	N/A
P01790	Breeding	T6	26/09/2022	N/A	12	PB4	Foraging	N/A	N/A
P01791	Breeding	T3	26/09/2022	N/A	2	WL1	Foraging	N/A	N/A
P01737	Breeding	Transect 2	29/09/2022	12:00	2	ga1	h	N/A	N/A
P01739	Breeding	Transect 2	29/09/2022	12:08	2	pb4	h	N/A	N/A
P04225	Breeding	T4	05/04/2023	14:44	2	PB4	N/A	H	Possible
P04236	Breeding	T9	06/04/2023	12:18	1	PB4	N/A	H	Possible
P04237	Breeding	T9	06/04/2023	12:20	3	PB4	N/A	H	Possible
P04241	Breeding	T9	06/04/2023	12:50	2	PB4	N/A	D	Probable
P04217	Breeding	T16	07/04/2023	13:40	1	PB4	N/A	S	Possible
P04242	Breeding	T2	07/04/2023	13:02	2	PB4	N/A	D	Probable
P04218	Breeding	T14	13/04/2023	13:00	1	PB4	N/A	S	Possible
P04252	Breeding	T11	13/04/2023	16:50	1	PB4	N/A	H	Possible
P04255	Breeding	T3	24/04/2023	13:40	2	PB4	N/A	P	Probable
P04257	Breeding	T7	25/04/2023	10:11	2	PB4	N/A	P	Probable
P04269	Breeding	T15	26/04/2023	10:12	1	PB4	N/A	H	Possible
P04272	Breeding	T21	26/04/2023	12:41	1	PB4	N/A	H	Possible
P04291	Breeding	T19	27/04/2023	12:15	2	PB4	N/A	H	Possible

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04382	Breeding	T1	09/05/2023	12:40	2	PB3	N/A	D	Probable
P04385	Breeding	T9	20/05/2023	13:15	2	PB4	N/A	P	Probable
P04387	Breeding	T3	22/05/2023	15:40	2	GS4	N/A	H	Possible
P04393	Breeding	T10	23/05/2023	14:51	2	PB4	N/A	P	Probable
P04307	Breeding	T4	24/05/2023	08:25	2	PB4	N/A	N/A	N/A
P04309	Breeding	T4	24/05/2023	09:00	3	PB4	N/A	N/A	N/A
P04318	Breeding	T5	24/05/2023	10:05	2	PB4	N/A	N/A	N/A
P04397	Breeding	T11	25/05/2023	08:55	2	PB4	N/A	P	Probable
P04430	Breeding	T19	26/05/2023	12:40	2	PB4	N/A	H	Possible
P04437	Breeding	T21	29/05/2023	14:50	2	PB4	N/A	H	Possible
P04439	Breeding	T14	29/05/2023	16:51	2	PB4	N/A	P	Probable
P04440	Breeding	T13	30/05/2023	10:55	2	PB4	N/A	P	Probable
P04443	Breeding	T7	30/05/2023	N/A	2	PB4	N/A	P	Probable
P04508	Breeding	T21	05/06/2023	16:55	2	PB4	N/A	D	Probable
P04510	Breeding	T21	05/06/2023	17:15	1	PB4	N/A	H	Possible
P04448	Breeding	T6	08/06/2023	13:45	3	PB4	N/A	N/A	N/A
P04532	Breeding	T9	09/06/2023	14:42	2	PB4	N/A	P	Probable
P04533	Breeding	T13	15/06/2023	15:38	4	PB4	N/A	P	Probable
P04535	Breeding	T13	15/06/2023	15:50	3	PB4	N/A	H	Possible
P04537	Breeding	T13	15/06/2023	16:04	4	PB4	N/A	P	Probable
P04539	Breeding	T14	16/06/2023	11:22	4	PB4	N/A	P	Probable
P04540	Breeding	T1	21/06/2023	10:00	2	PB4	N/A	P	Probable
P04545	Breeding	T2	21/06/2023	13:35	2	PB4	N/A	P	Probable
P04546	Breeding	T2	21/06/2023	14:40	3	GS4	N/A	P	Probable
P04547	Breeding	T10	26/06/2023	16:10	3	PB4	N/A	P	Probable
P04553	Breeding	T19	27/06/2023	10:45	5	PB4	N/A	P	Probable
P04554	Breeding	T18	27/06/2023	11:50	2	PB4	N/A	P	Probable
P04561	Breeding	T11	28/06/2023	09:56	4	PB4	N/A	A	Probable
P04571	Breeding	T17	29/06/2023	11:30	2	PB4	N/A	H	Possible
P04588	Breeding	T5	05/07/2023	14:05	6	PB4	N/A	N/A	N/A
P04592	Breeding	T6	07/07/2023	07:15	6	PB4	N/A	N/A	N/A
P04635	Breeding	T12	12/07/2023	15:20	1	PB4	N/A	H	Possible
P04656	Breeding	T3	20/07/2023	11:10	3	GS4	N/A	H	Possible
P04658	Breeding	T9	20/07/2023	13:12	4	PB4	N/A	P	Probable

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Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04664	Breeding	T15	24/07/2023	16:09	3	PB4	N/A	H	Possible
P04668	Breeding	T11	25/07/2023	08:45	2	PB4	N/A	P	Probable
P04670	Breeding	T20	25/07/2023	18:52	2	PB4	N/A	P	Probable
P04671	Breeding	T1	27/07/2023	11:57	2	PB4	N/A	P	Probable
P04674	Breeding	T7	28/07/2023	10:25	4	PB4	N/A	P	Probable
P04676	Breeding	T14	28/07/2023	11:40	3	PB4	N/A	P	Probable
P04677	Breeding	T13	28/07/2023	14:30	4	PB4	N/A	P	Probable
P04678	Breeding	T13	28/07/2023	14:40	4	PB4	N/A	P	Probable
P04684	Breeding	T18	31/07/2023	09:42	4	PB4	N/A	P	Probable
P04686	Breeding	T17	31/07/2023	10:52	4	PB4	N/A	P	Probable
P04687	Breeding	T17	31/07/2023	11:20	5	PB4	N/A	P	Probable
P04689	Breeding	T19	31/07/2023	12:25	4	PB4	N/A	P	Probable
P04696	Breeding	T4	02/08/2023	11:15	3	FW2	N/A	N/A	N/A
P04703	Breeding	T5	02/08/2023	12:25	4	PB4	N/A	N/A	N/A
P04707	Breeding	T6	03/08/2023	08:10	3	PB4	N/A	N/A	N/A
P04739	Breeding	T11	08/08/2023	16:30	2	PB4	N/A	N/A	N/A
P04743	Breeding	T1	09/08/2023	13:53	2	PB4	N/A	N/A	N/A
P04744	Breeding	T1	09/08/2023	14:08	4	PB4	N/A	N/A	N/A
P04745	Breeding	T3	09/08/2023	19:05	2	GS4	N/A	N/A	N/A
P04756	Breeding	T10	11/08/2023	12:15	4	PB4	N/A	N/A	N/A
P04761	Breeding	T9	15/08/2023	09:56	4	PB4	N/A	N/A	N/A
P04763	Breeding	T12	15/08/2023	16:20	2	PB4	N/A	N/A	N/A
P04766	Breeding	T18	16/08/2023	12:08	2	PB4	N/A	N/A	N/A
P04767	Breeding	T18	16/08/2023	12:31	3	PB4	N/A	N/A	N/A
P04773	Breeding	T2	17/08/2023	15:48	2	PB4	N/A	N/A	N/A
P04774	Breeding	T17	18/08/2023	12:56	2	PB4	N/A	N/A	N/A
P04775	Breeding	T17	18/08/2023	13:03	3	PB4	N/A	N/A	N/A
P04779	Breeding	T21	22/08/2023	10:32	2	PB4	N/A	N/A	N/A
P04780	Breeding	T19	23/08/2023	16:31	3	PB4	N/A	N/A	N/A
P04783	Breeding	T15	23/08/2023	17:42	2	PB4	N/A	N/A	N/A
P04784	Breeding	T7	31/08/2023	09:35	4	PB4	N/A	N/A	N/A
P04787	Breeding	T8	31/08/2023	10:41	3	PB4	N/A	N/A	N/A
P04789	Breeding	T13	31/08/2023	13:58	3	PB4	N/A	N/A	N/A
P04790	Breeding	T13	31/08/2023	15:35	2	PB4	N/A	N/A	N/A

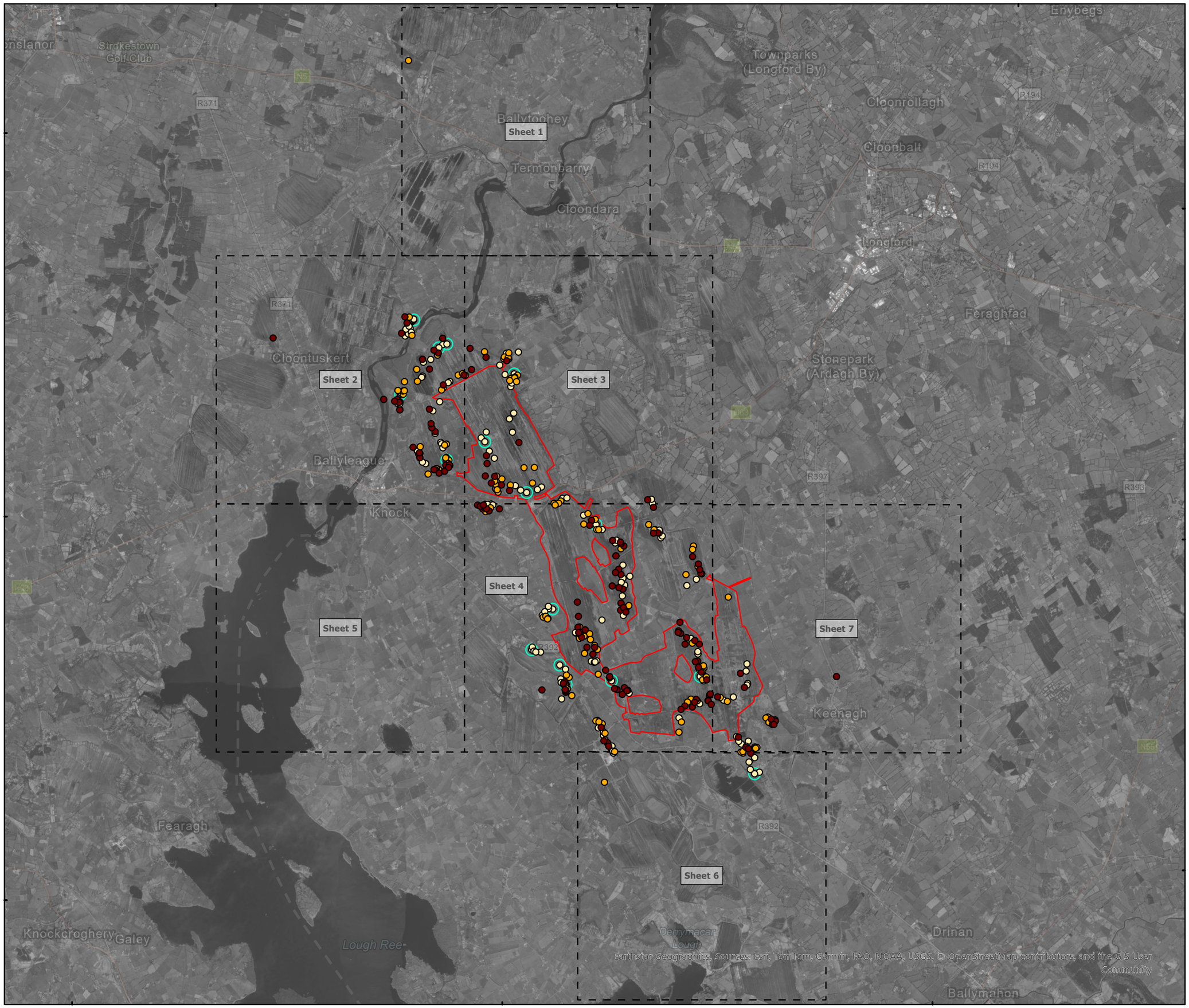
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04847	Breeding	T7	07/09/2023	13:32	3	pb4	N/A	N/A	N/A
P04850	Breeding	T7	07/09/2023	14:10	6	pb4	N/A	N/A	N/A
P04852	Breeding	T1	19/09/2023	13:12	1	pb4	N/A	N/A	N/A
P04859	Breeding	T11	20/09/2023	09:58	2	PB4	N/A	N/A	N/A
P04860	Breeding	T12	20/09/2023	10:45	2	PB4	N/A	N/A	N/A
P04868	Breeding	T20	26/09/2023	12:45	1	pb4	N/A	N/A	N/A
P04871	Breeding	T18	26/09/2023	15:56	1	PB4	N/A	N/A	N/A
P04873	Breeding	T14	28/09/2023	14:00	2	pb4	N/A	N/A	N/A
P04809	Breeding	T6	29/09/2023	11:45	6	PB4	N/A	N/A	N/A
P04875	Breeding	T8	29/09/2023	10:03	3	pb4	N/A	N/A	N/A
P04876	Breeding	T15	29/09/2023	11:00	1	pb4	N/A	N/A	N/A
P04877	Breeding	T15	29/09/2023	11:21	2	pb4	N/A	N/A	N/A
P04878	Breeding	T15	29/09/2023	11:40	2	pb4	N/A	N/A	N/A
P04879	Breeding	T13	29/09/2023	16:13	2	PB4	N/A	N/A	N/A
P04881	Breeding	T19	29/09/2023	18:03	2	PB4	N/A	N/A	N/A
P04883	Non-breeding	T9	02/10/2023	15:12	3	PB4	N/A	H	Possible
P04890	Breeding	T21	02/04/2024	15:30	1	PB4	Singing	S	Possible
P04905	Breeding	T6	03/04/2024	16:20	1	PB4	N/A	S	Possible
P04908	Breeding	T6	03/04/2024	16:40	1	PB4	N/A	S	Possible
P04912	Breeding	T2	04/04/2024	16:35	1	PB4	N/A	S	Possible
P04918	Breeding	T19	04/04/2024	13:25	2	PB4	N/A	S	Possible
P04985	Breeding	Transect 7	08/04/2024	12:32	1	pb4	N/A	H	Possible
P04994	Breeding	Transect 11	08/04/2024	14:28	1	pb4	N/A	D	Probable
P05001	Breeding	Transect 12	08/04/2024	16:55	1	pb4	N/A	H	Possible
P05002	Breeding	Transect 13	09/04/2024	09:31	1	pb4	N/A	D	Probable
P05004	Breeding	Transect 13	09/04/2024	10:12	1	pb4	N/A	H	Possible
P05007	Breeding	Transect 16	09/04/2024	11:14	2	pb4	N/A	P	Probable

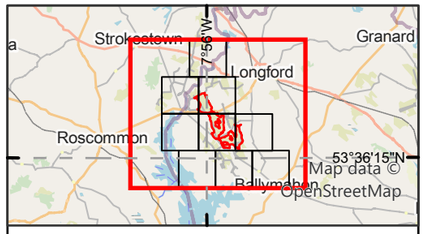
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05015	Breeding	Transect 17	09/04/2024	14:40	2	pb4	N/A	P	Probable
P05021	Breeding	Transect 15	09/04/2024	16:23	2	pb4	N/A	P	Probable
P05023	Breeding	Transect 18	10/04/2024	11:12	2	pb4	N/A	P	Probable
P05027	Breeding	Transect 8	10/04/2024	14:12	1	pb4	N/A	P	Probable
P05043	Breeding	Transect 14	11/04/2024	15:12	2	PB4	N/A	P	Probable
P04922	Breeding	T4	15/04/2024	08:35	1	PB4	N/A	S	Possible
P04929	Breeding	T5	15/04/2024	11:40	1	PB4	N/A	S	Possible
P04979	Breeding	Transect 9	18/04/2024	12:08	2	pb4	N/A	P	Probable
P05052	Breeding	T21	07/05/2024	08:20	1	PB4	N/A	S	Possible
P05055	Breeding	T20	07/05/2024	09:40	1	PB4	N/A	N/A	N/A
P05058	Breeding	T19	08/05/2024	12:10	1	PB4	N/A	S	Possible
P05063	Breeding	T6	09/05/2024	09:45	1	PB4	N/A	S	Possible
P05065	Breeding	T6	09/05/2024	10:05	1	PB4	N/A	S	Possible
P05068	Breeding	T3	09/05/2024	09:45	2	GS4	N/A	N/A	N/A
P05069	Breeding	T3	09/05/2024	09:55	1	GS4	N/A	S	Possible
P05129	Breeding	T14	09/05/2024	12:42	2	PB4	N/A	P	Probable
P05132	Breeding	T15	09/05/2024	15:40	1	pb4	N/A	D	Probable
P05133	Breeding	T16	09/05/2024	16:52	2	pb4	N/A	P	Probable
P05075	Breeding	T4	10/05/2024	08:05	1	PB4	N/A	S	Possible
P05078	Breeding	T1	10/05/2024	09:05	1	PB4	N/A	S	Possible
P05079	Breeding	T1	10/05/2024	09:25	2	PB4	N/A	N/A	N/A
P05083	Breeding	T5	10/05/2024	10:15	1	PB4	N/A	S	Possible
P05137	Breeding	T17	10/05/2024	14:02	1	pb4	N/A	D	Probable
P05142	Breeding	T17	10/05/2024	14:47	2	pb4	N/A	N/A	N/A
P05152	Breeding	T8	13/05/2024	17:13	2	pb4	N/A	N/A	N/A
P05153	Breeding	T8	13/05/2024	17:18	2	pb4	N/A	H	Possible
P05154	Breeding	T9	13/05/2024	18:30	1	pb4	N/A	N/A	N/A
P05156	Breeding	T9	13/05/2024	19:02	2	pb4	N/A	H	Possible

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05089	Breeding	T2	14/05/2024	08:50	1	PB4	N/A	S	Possible
P05167	Breeding	T7	14/05/2024	14:39	1	pb4	N/A	N/A	N/A
P05170	Breeding	T7	14/05/2024	15:20	4	pb4	N/A	S	Possible
P05171	Breeding	T12	14/05/2024	18:40	1	pb4	N/A	N/A	N/A
P05190	Breeding	T18	15/05/2024	18:12	2	PB4	N/A	H	Possible
P05210	Breeding	T13	16/05/2024	10:51	1	PB4	N/A	H	Possible
P05211	Breeding	T13	16/05/2024	11:07	2	PB4	N/A	H	Possible
P05215	Breeding	T13	16/05/2024	11:28	1	PB4	N/A	H	Possible
P05234	Breeding	T2	04/06/2024	11:45	3	PB4	N/A	N/A	N/A
P05238	Breeding	T21	05/06/2024	10:50	1	PB4	N/A	N/A	N/A
P05243	Breeding	T20	05/06/2024	11:40	1	PB4	N/A	N/A	N/A
P05256	Breeding	T19	06/06/2024	14:45	5	PB4	N/A	N/A	N/A
P05260	Breeding	T3	10/06/2024	11:00	3	GS4	N/A	N/A	N/A
P05261	Breeding	T6	10/06/2024	12:05	2	PB4	N/A	N/A	N/A
P05267	Breeding	T4	11/06/2024	08:05	1	PB4	N/A	N/A	N/A
P05343	Breeding	T14	17/06/2024	16:10	5	PB4	N/A	H	Possible
P05359	Breeding	T18	19/06/2024	10:28	4	PB4	N/A	N/A	N/A
P05363	Breeding	T13	20/06/2024	11:22	2	PB4	N/A	H	Possible
P05365	Breeding	T16	20/06/2024	11:52	3	PB4	N/A	H	Possible
P05366	Breeding	T16	20/06/2024	12:19	2	PB4	N/A	H	Possible
P05369	Breeding	T15	20/06/2024	15:22	2	pb4	N/A	H	Possible
P05372	Breeding	T17	21/06/2024	11:05	2	PB4	N/A	P	Probable
P05374	Breeding	T17	21/06/2024	11:42	4	PB4	N/A	P	Probable
P05380	Breeding	T12	24/06/2024	15:48	2	PB4	N/A	H	Possible
P05382	Breeding	T8	24/06/2024	17:30	2	PB4	N/A	H	Possible
P05383	Breeding	T8	24/06/2024	17:46	3	PB4	N/A	H	Possible
P05384	Breeding	T9	25/06/2024	09:42	2	PB4	N/A	H	Possible
P05385	Breeding	T9	25/06/2024	10:13	3	PB4	N/A	H	Possible
P05390	Breeding	T10	25/06/2024	11:42	1	PB4	N/A	H	Possible
P05399	Breeding	T9	25/06/2024	09:42	2	PB4	N/A	H	Possible
P05400	Breeding	T9	25/06/2024	10:13	3	PB4	N/A	H	Possible
P05403	Breeding	T11	25/06/2024	15:10	4	PB4	N/A	H	Possible
P05404	Breeding	T7	25/06/2024	16:08	4	PB4	N/A	H	Possible
P05407	Breeding	T7	25/06/2024	16:46	4	PB4	N/A	H	Possible

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05429	Breeding	T6	02/07/2024	11:30	5	PB4	N/A	N/A	N/A
P05430	Breeding	T3	02/07/2024	12:05	6	GS4	N/A	N/A	N/A
P05499	Breeding	T11	22/07/2024	18:28	2	PB4	N/A	H	Possible
P05502	Breeding	T18	23/07/2024	09:25	1	PB4	N/A	H	Possible
P05503	Breeding	T18	23/07/2024	09:49	2	PB4	N/A	H	Possible
P05504	Breeding	T18	23/07/2024	10:01	2	PB4	N/A	H	Possible
P05506	Breeding	T17	23/07/2024	11:43	2	PB4	N/A	H	Possible
P05507	Breeding	T17	23/07/2024	12:41	2	PB4	N/A	H	Possible
P05509	Breeding	T17	23/07/2024	12:46	2	PB4	N/A	H	Possible
P05512	Breeding	T12	23/07/2024	14:10	2	PB4	N/A	H	Possible
P05513	Breeding	T12	23/07/2024	14:22	1	PB4	N/A	H	Possible
P05514	Breeding	T12	23/07/2024	14:35	2	PB4	N/A	H	Possible
P05515	Breeding	T12	23/07/2024	15:22	1	PB4	N/A	H	Possible
P05527	Breeding	T8	24/07/2024	12:18	6	PB4	N/A	H	Possible
P05539	Breeding	T7	29/07/2024	13:52	2	PB4	N/A	H	Possible
P05542	Breeding	T9	29/07/2024	15:41	2	PB4	N/A	H	Possible
P05543	Breeding	T9	29/07/2024	16:06	3	PB4	N/A	H	Possible
P05549	Breeding	T14	30/07/2024	14:56	3	PB4	N/A	H	Possible
P05550	Breeding	T14	30/07/2024	15:12	4	PB4	N/A	H	Possible
P05553	Breeding	T13	30/07/2024	12:04	6	PB4	N/A	H	Possible
P05555	Breeding	T16	31/07/2024	13:20	2	PB4	N/A	H	Possible
P05562	Breeding	T21	01/08/2024	10:35	3	PB4	N/A	N/A	N/A
P05571	Breeding	T20	01/08/2024	12:15	6	PB4	N/A	N/A	N/A
P05633	Breeding	T13	06/08/2024	15:24	1	PB4	N/A	N/A	N/A
P05634	Breeding	T13	06/08/2024	15:41	2	PB4	N/A	N/A	N/A
P05648	Breeding	T11	07/08/2024	16:32	2	PB4	N/A	N/A	N/A
P05650	Breeding	T14	08/08/2024	14:05	4	PB4	N/A	N/A	N/A
P05583	Breeding	T4	09/08/2024	08:15	6	PB4	N/A	N/A	N/A
P05585	Breeding	T1	09/08/2024	09:15	4	PB4	N/A	N/A	N/A
P05653	Breeding	T12	19/08/2024	13:32	1	PB4	N/A	N/A	N/A
P05656	Breeding	T12	19/08/2024	14:12	1	PB4	N/A	N/A	N/A
P05659	Breeding	T8	19/08/2024	15:30	2	pb4	N/A	N/A	N/A
P05683	Breeding	T7	20/08/2024	13:31	2	PB4	N/A	N/A	N/A
P05685	Breeding	T17	20/08/2024	15:05	2	PB4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05687	Breeding	T17	20/08/2024	15:38	2	PB4	N/A	N/A	N/A
P05688	Breeding	T16	20/08/2024	16:39	2	PB4	N/A	N/A	N/A
P05689	Breeding	T16	20/08/2024	17:18	1	PB4	N/A	N/A	N/A
P05695	Breeding	T18	21/08/2024	16:06	3	pb4	N/A	N/A	N/A
P05696	Breeding	T18	21/08/2024	17:01	2	pb4	N/A	N/A	N/A
P05715	Breeding	T19	03/09/2024	14:50	4	PB4	N/A	N/A	N/A
P05795	Breeding	T11	03/09/2024	14:43	2	PB4	N/A	N/A	N/A
P05796	Breeding	T11	03/09/2024	14:43	2	PB4	N/A	N/A	N/A
P05802	Breeding	T11	03/09/2024	15:03	2	PB4	N/A	N/A	N/A
P05803	Breeding	T11	03/09/2024	15:21	2	PB4	N/A	N/A	N/A
P05724	Breeding	T20	04/09/2024	11:55	14	PB4	N/A	N/A	N/A
P05814	Breeding	T9	04/09/2024	15:18	2	PB4	N/A	N/A	N/A
P05815	Breeding	T9	04/09/2024	15:28	1	PB4	N/A	N/A	N/A
P05729	Breeding	T6	05/09/2024	11:35	11	PB4	N/A	N/A	N/A
P05732	Breeding	T3	05/09/2024	12:00	7	GM1	N/A	N/A	N/A
P05821	Breeding	T18	05/09/2024	09:45	2	PB4	N/A	N/A	N/A
P05823	Breeding	T18	05/09/2024	10:47	1	PB4	N/A	N/A	N/A
P05825	Breeding	T17	05/09/2024	11:53	2	PB4	N/A	N/A	N/A
P05826	Breeding	T17	05/09/2024	12:12	2	PB4	N/A	N/A	N/A
P05828	Breeding	T17	05/09/2024	12:31	2	PB4	N/A	N/A	N/A
P05736	Breeding	T4	06/09/2024	08:00	12	PB4	N/A	N/A	N/A
P05744	Breeding	T5	06/09/2024	09:55	14	PB4	N/A	N/A	N/A
P05832	Breeding	T7	12/09/2024	15:51	1	pb4	N/A	N/A	N/A
P05833	Breeding	T7	12/09/2024	15:54	4	pb4	N/A	N/A	N/A
P05838	Breeding	T8	13/09/2024	08:52	2	PB4	N/A	N/A	N/A
P05840	Breeding	T12	13/09/2024	10:17	2	PB4	N/A	N/A	N/A
P05841	Breeding	T12	13/09/2024	10:42	5	PB4	N/A	N/A	N/A
P05843	Breeding	T16	13/09/2024	13:08	2	PB4	N/A	N/A	N/A
P05844	Breeding	T13	13/09/2024	15:21	2	PB4	N/A	N/A	N/A
P05855	Breeding	T14	16/09/2024	15:02	3	PB4	N/A	N/A	N/A
P05857	Breeding	T15	16/09/2024	16:31	2	PB4	N/A	N/A	N/A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 1.5 3
Kilometres

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING\
2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE\
3. ENGINEER TO BE INFORMED OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES\
4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Meadow Pipit Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-042.ApX-SUM-MP-TOB-

Draft: A

7°53'50"W

53°45'0"N

P04242

Ballytoohey

Termonbarry

Cloondara

M5

L1462

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

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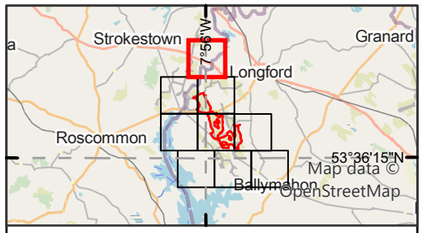

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

Breeding-23

Confirmed Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Meadow Pipit
Sheet 1 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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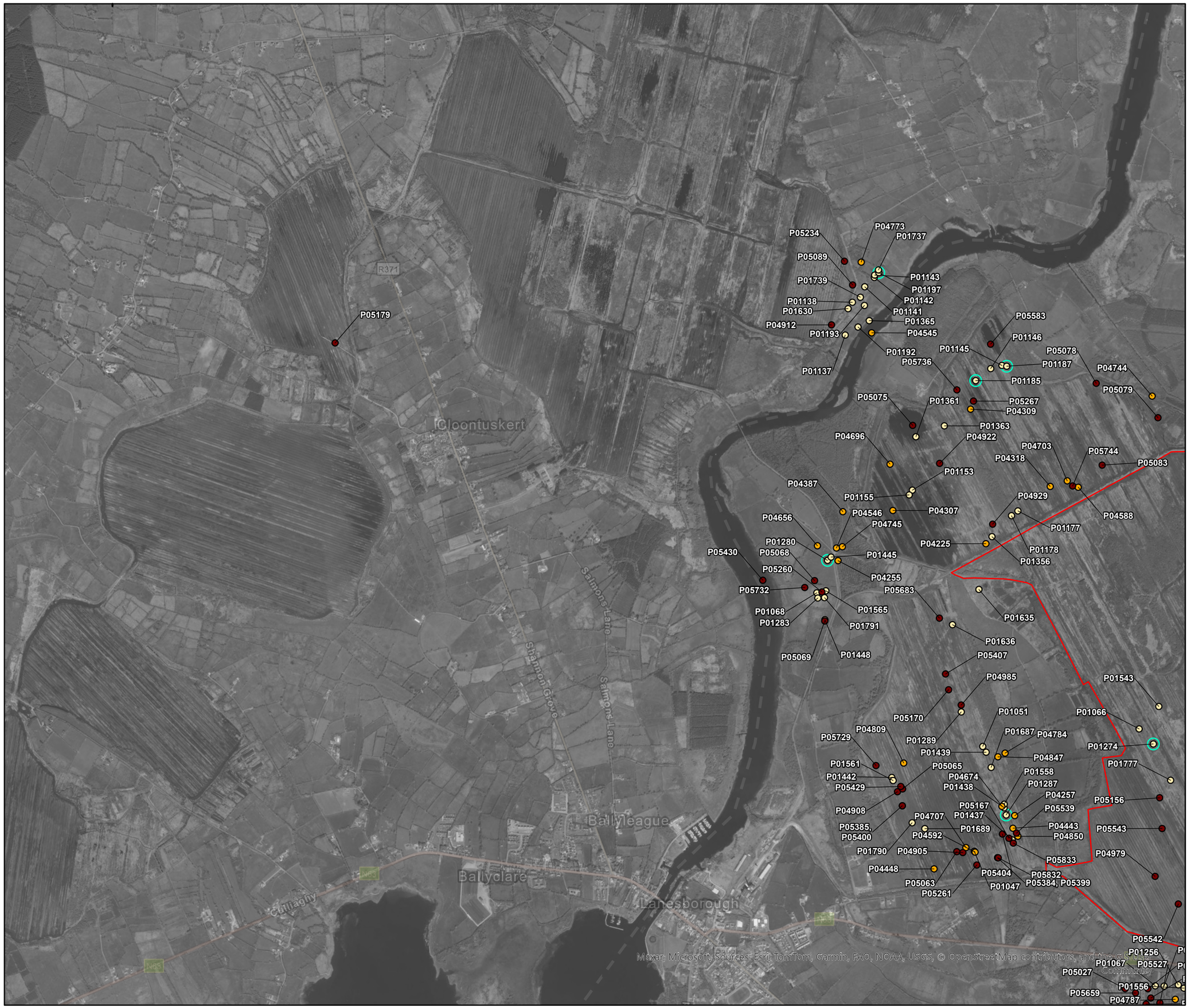
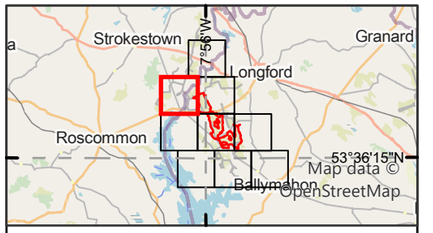
Map Ref: 11399-042.ApX-SUM-MP-TOB-A

Draft: A

8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Meadow Pipit
Sheet 2 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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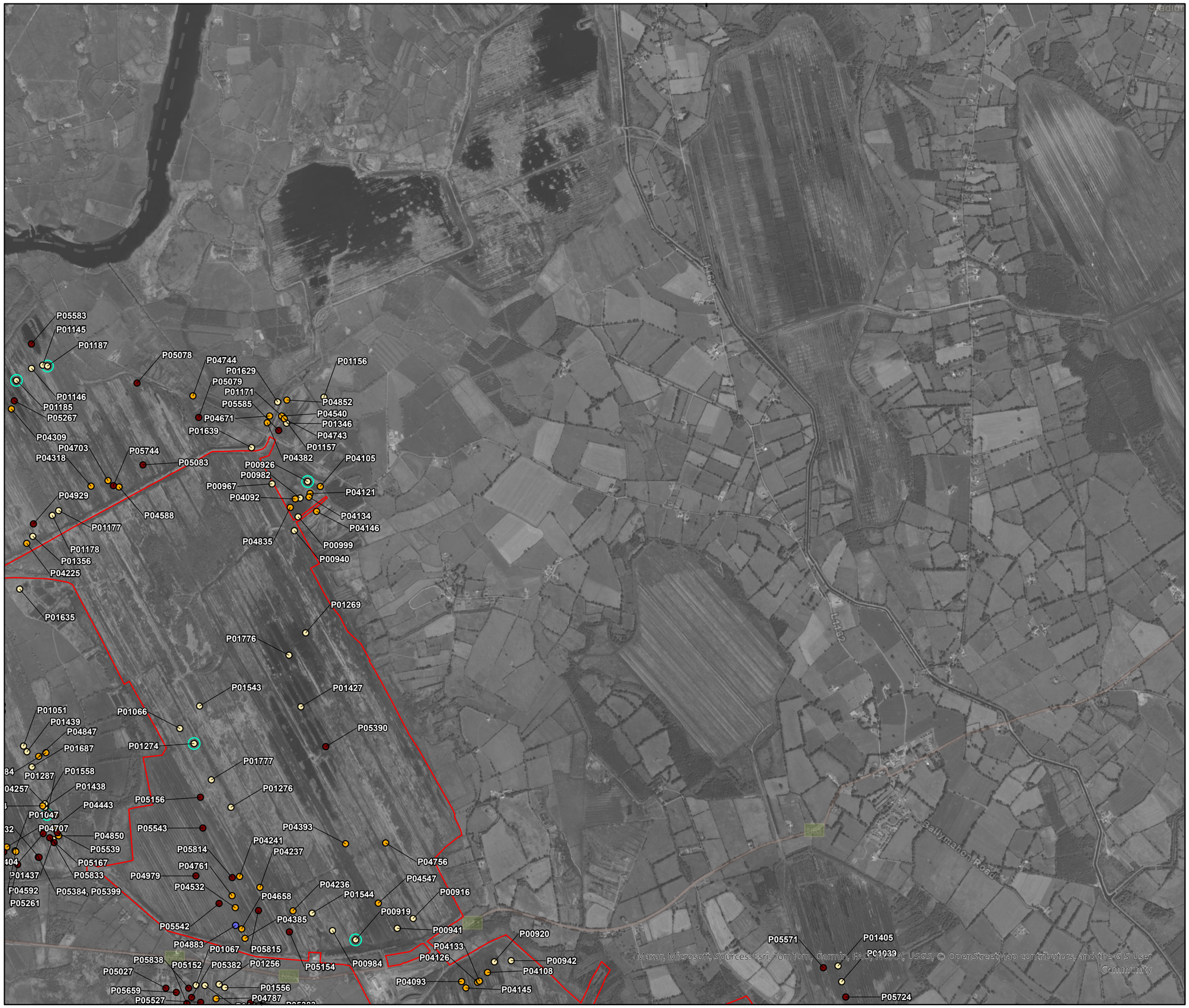
Map Ref: 11399-042.ApX-SUM-MP-TOB-A

Draft: A

7°53'50"W



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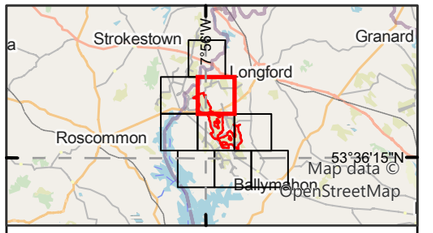

Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Meadow Pipit
Sheet 3 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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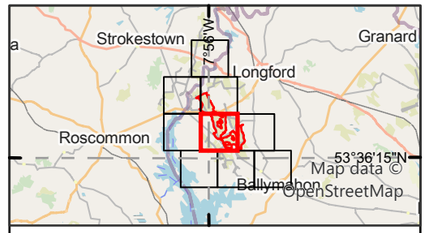
Draft: A

7°53'50"W

53°40'0"N

768000

604000



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Meadow Pipit
Sheet 4 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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Draft: A

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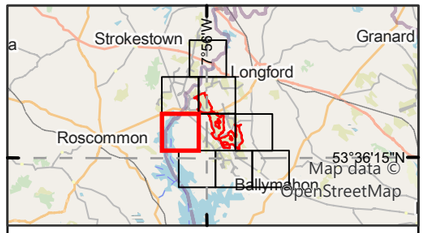
8°2'40"W

53°40'0"N

768000





Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING\
2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE\
3. ENGINEER TO BE INFORMED OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES\
4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Meadow Pipit
Sheet 5 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-042.ApX-SUM-MP-TOB-A

Draft: A

7°53'50"W

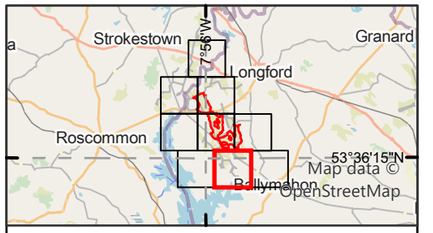
53°35'0"N

760000

P01223
P01501
P04878
P01017
P04783
P04430
P04918
P04881
P04553
P05256
P04780
P01010
P05715
P01226
P04689
P04291
P01504
P01505
P01227
P01381

R392
L5236
Estate Road
Fas Road
Derrymacar Lough

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



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Meadow Pipit
Sheet 6 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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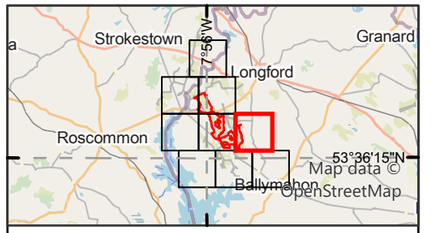
Map Ref: 11399-042.ApX-SUM-MP-TOB-A

Draft: A





Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Meadow Pipit
Sheet 7 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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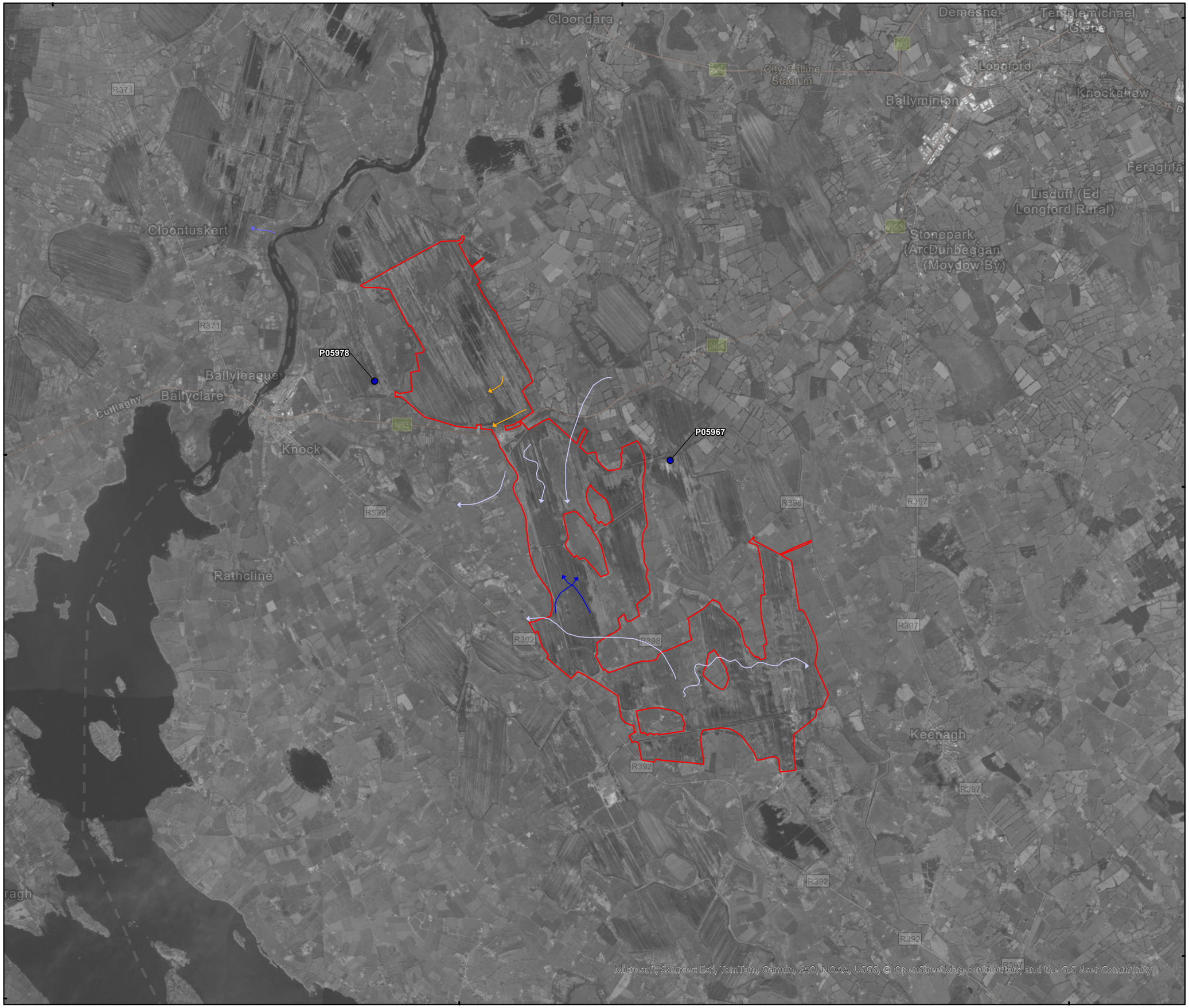
Map Ref:	Draft:
11399-042.ApX-SUM-MP-TOB-A	A

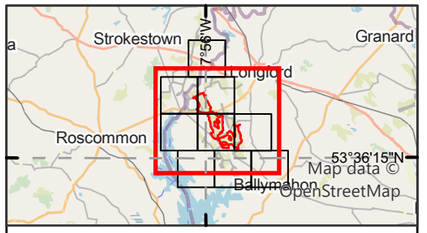
Appendix 8.3pp MERLIN

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP7	15/12/2021	13:31	1	20	0	0	0	0
Non-breeding	VP8	27/12/2021	14:27	1	10	30	0	0	0
Non-breeding	VP11	28/12/2021	11:49	1	15	0	0	0	0
Non-breeding	VP7	06/01/2022	10:36	1	60	0	0	0	0
Non-breeding	VP6	24/01/2022	13:43	1	3	5	0	0	0
Non-breeding	VP1	06/02/2023	14:05	1	4	0	0	0	0
Breeding	VP4	06/04/2023	16:38	1	55	0	0	0	0
Breeding	VP4	06/04/2023	17:10	1	35	0	0	0	0
Non-breeding	VP6	09/10/2023	11:45	1	20	0	0	0	0
Non-breeding	VP6	09/10/2023	12:55	1	25	0	0	0	0

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05967	Non-breeding	T20	01/02/2024	13:05	1	PB4	N/A	N/A	N/A
P05978	Non-breeding	T7	13/02/2024	11:55	1	PB4	N/A	N/A	N/A

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
604000
614400
776000
768000
760000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-23/24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-23

0 1 2
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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Merlin
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Map Ref: 11399-043.ApX-SUM-ML-TOB-A

Draft: A

Appendix 8.3qq MUTE SWAN

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP2	29/04/2021	09:53	1	28	0	0	0	0
Breeding	VP1	06/05/2021	14:57	1	14	0	0	0	0
Breeding	VP1	01/06/2021	14:22	1	16	0	0	0	0
Breeding	VP1	18/08/2021	11:12	2	31	65	0	0	0
Breeding	VP1	06/09/2021	11:03	1	30	0	0	0	0
Non-breeding	VP2	28/10/2021	08:51	2	62	0	0	0	0
Non-breeding	VP2	23/11/2021	08:43	1	81	0	0	0	0
Non-breeding	VP2	23/11/2021	08:48	1	45	0	0	0	0
Non-breeding	VP2	23/11/2021	12:51	2	5	36	0	0	0
Non-breeding	VP1	01/12/2021	09:05	2	60	11	0	0	0
Non-breeding	VP1	01/12/2021	11:59	2	54	10	0	0	0
Non-breeding	VP1	13/12/2021	11:05	1	3	3	21	0	0
Non-breeding	VP2	14/12/2021	09:43	2	20	0	0	0	0
Non-breeding	VP9	12/01/2022	14:23	1	3	0	0	0	0
Non-breeding	VP2	17/01/2022	11:13	2	0	40	0	0	0
Non-breeding	VP3	02/02/2022	11:19	2	0	40	0	0	0
Non-breeding	VP7	02/02/2022	10:41	2	27	0	0	0	0
Non-breeding	VP2	03/02/2022	09:57	1	10	30	0	0	0
Non-breeding	VP9	09/02/2022	10:57	2	0	185	0	0	0
Non-breeding	VP6	25/02/2022	09:41	2	6	0	0	0	0
Non-breeding	VP9	02/03/2022	11:25	3	0	38	0	0	0
Non-breeding	VP3	16/03/2022	13:19	2	0	10	0	0	0
Non-breeding	VP11	28/03/2022	10:52	1	0	0	0	0	30
Breeding	VP10	13/04/2022	08:32	2	20	0	0	0	0
Non-breeding	VP1	05/10/2022	17:01	2	10	0	0	0	0
Non-breeding	VP10	12/10/2022	09:05	1	35	0	0	0	0
Non-breeding	VP5	17/10/2022	12:57	1	4	0	0	0	0
Non-breeding	VP4	13/11/2022	12:20	1	7	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP1	14/11/2022	09:32	2	4	0	0	0	0
Non-breeding	VP 1	16/12/2022	09:31	1	10	0	0	0	0
Non-breeding	VP 1	16/12/2022	11:12	5	8	0	0	0	0
Non-breeding	VP1	16/12/2022	14:07	7	7	0	0	0	0
Non-breeding	VP7	19/01/2023	15:25	1	120	130	0	0	0
Non-breeding	VP5	20/01/2023	10:00	2	10	0	0	0	0
Non-breeding	VP4	13/02/2023	10:20	2	3	0	0	0	0
Non-breeding	VP4	13/02/2023	10:33	6	4	5	0	0	0
Non-breeding	VP4	13/02/2023	10:53	3	0	6	0	0	0
Non-breeding	VP5	24/02/2023	13:42	2	0	6	0	0	0
Non-breeding	VP5	29/03/2023	11:04	1	4	0	0	0	0
Breeding	VP2	15/06/2023	19:06	1	15	45	0	0	0
Non-breeding	VP4	08/10/2023	13:54	3	8	0	0	0	0
Non-breeding	VP6	09/10/2023	08:30	2	65	0	0	0	0
Non-breeding	VP9	05/12/2023	11:07	2	30	0	0	0	0
Non-breeding	VP1	16/01/2024	10:34	2	8	2	0	0	0
Non-breeding	VP10	01/02/2024	15:35	2	10	10	0	0	0
Non-breeding	VP7	02/02/2024	09:25	1	5	10	0	0	0
Non-breeding	VP8	13/02/2024	15:15	1	25	0	0	0	0
Non-breeding	VP6	04/03/2024	12:05	1	20	30	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00913	Breeding	VP1	12/04/2022	14:20	6	FW2	In suitable breeding habitat	N/A	N/A
P00934	Breeding	VP10	12/05/2022	15:20	1	PB4	Swimming	N/A	N/A
P00923	Breeding	VP1	18/05/2022	07:15	4	FW2	In suitable breeding habitat	N/A	N/A
P00939	Breeding	VP1	09/06/2022	15:40	2	fw2	feeding	N/A	N/A
P00977	Breeding	VP1	04/08/2022	10:12	1	fw2	In suitable breeding habitat	N/A	N/A
P00980	Breeding	VP1	04/08/2022	15:50	5	fw2	In suitable breeding habitat	N/A	N/A
P01002	Breeding	VP1	27/09/2022	15:52	4	fw2	N/A	N/A	N/A
P01837	Non-breeding	VP1	05/10/2022	16:35	5	FW2	Swimming, feeding, loafing	N/A	N/A
P01838	Non-breeding	VP1	05/10/2022	16:50	4	FW2	Swimming, feeding, loafing	N/A	N/A
P01831	Non-breeding	VP10	10/10/2022	08:00	1	PB4	Foraging.	N/A	N/A
P01833	Non-breeding	VP10	10/10/2022	09:05	1	PB4	Foraging.	N/A	N/A
P01855	Non-breeding	VP1	09/01/2023	09:25	12	FW2	On Water and in reeds	N/A	N/A
P01859	Non-breeding	VP4	16/01/2023	11:35	3	PB4	On water	N/A	N/A
P01854	Non-breeding	VP7	19/01/2023	14:00	3	PB4	Swimming	N/A	N/A
P01861	Non-breeding	VP10	02/02/2023	08:40	2	PB4	Swimming	N/A	N/A
P01870	Non-breeding	VP7	14/02/2023	11:25	1	PB4	Roosting.	N/A	N/A

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04090	Breeding	VP1	04/04/2023	13:45	3	N/A	feeding	N/A	N/A
P04079	Breeding	VP4	06/04/2023	17:30	2	N/A	Swimming	N/A	N/A
P04111	Breeding	VP1	22/05/2023	N/A	5	N/A	Feeding	N/A	N/A
P04112	Breeding	VP1	22/05/2023	N/A	4	N/A	Feeding	N/A	N/A
P04099	Breeding	VP4	24/05/2023	05:20	1	N/A	Swimming	N/A	N/A
P04115	Breeding	VP4	08/06/2023	15:30	1	N/A	Swimming	N/A	N/A
P04124	Breeding	VP1	22/06/2023	08:55	4	N/A	Feeding	N/A	N/A
P04132	Breeding	VP1	14/07/2023	15:48	4	N/A	feeding	N/A	N/A
P04139	Breeding	VP4	01/08/2023	12:45	1	N/A	Foraging	N/A	N/A
P04142	Breeding	VP1	09/08/2023	N/A	2	N/A	feeding	N/A	N/A
P04833	Breeding	VP10	18/09/2023	N/A	1	N/A	FEEDING	N/A	N/A
P04149	Breeding	VP1	28/09/2023	07:30	6	N/A	Foraging	N/A	N/A
P04151	Breeding	VP1	28/09/2023	07:30	2	N/A	Swimming	P	Probable
P04152	Breeding	VP1	28/09/2023	07:30	3	N/A	Swimming	H	Possible
P04153	Breeding	VP1	28/09/2023	07:30	2	N/A	Foraging	FL	Confirmed
P04155	Breeding	VP4	29/09/2023	07:45	1	N/A	Swimming	N/A	N/A
P05858	Non-breeding	VP1	03/10/2023	09:20	9	N/A	Swimming	N/A	N/A
P05870	Non-breeding	VP7	06/12/2023	07:45	5	N/A	Swimming	N/A	N/A
P05868	Non-breeding	VP1	11/12/2023	09:20	9	N/A	Swimming	N/A	N/A
P05878	Non-breeding	VP7	02/02/2024	08:05	4	N/A	Foraging	N/A	N/A
P05885	Non-breeding	VP8	13/02/2024	11:35	8	N/A	Foraging	N/A	N/A
P06107	Breeding	VP1	14/04/2024	17:40	2	N/A	Swimming	N/A	N/A
P06136	Breeding	VP10	07/05/2024	05:10	2	N/A	Foraging	N/A	N/A
P06117	Breeding	VP1	15/07/2024	11:40	9	FS1	Swimming	N/A	N/A
P06118	Breeding	VP1	15/07/2024	13:30	9	FW2	Swimming	N/A	N/A
P00913	Breeding	VP1	12/04/2022	14:20	6	FW2	In suitable breeding habitat	N/A	N/A
P00934	Breeding	VP10	12/05/2022	15:20	1	PB4	Swimming	N/A	N/A

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00923	Breeding	VP1	18/05/2022	07:15	4	FW2	In suitable breeding habitat	N/A	N/A
P00939	Breeding	VP1	09/06/2022	15:40	2	fw2	feeding	N/A	N/A
P00977	Breeding	VP1	04/08/2022	10:12	1	fw2	In suitable breeding habitat	N/A	N/A
P00980	Breeding	VP1	04/08/2022	15:50	5	fw2	In suitable breeding habitat	N/A	N/A
P01002	Breeding	VP1	27/09/2022	15:52	4	fw2	N/A	N/A	N/A
P01837	Non-breeding	VP1	05/10/2022	16:35	5	FW2	Swimming, feeding, loafing	N/A	N/A
P01838	Non-breeding	VP1	05/10/2022	16:50	4	FW2	Swimming, feeding, loafing	N/A	N/A
P01831	Non-breeding	VP10	10/10/2022	08:00	1	PB4	Foraging.	N/A	N/A
P01833	Non-breeding	VP10	10/10/2022	09:05	1	PB4	Foraging.	N/A	N/A
P01855	Non-breeding	VP1	09/01/2023	09:25	12	FW2	On Water and in reeds	N/A	N/A
P01859	Non-breeding	VP4	16/01/2023	11:35	3	PB4	On water	N/A	N/A
P01854	Non-breeding	VP7	19/01/2023	14:00	3	PB4	Swimming	N/A	N/A
P01861	Non-breeding	VP10	02/02/2023	08:40	2	PB4	Swimming	N/A	N/A
P01870	Non-breeding	VP7	14/02/2023	11:25	1	PB4	Roosting.	N/A	N/A
P04090	Breeding	VP1	04/04/2023	13:45	3	N/A	feeding	N/A	N/A
P04079	Breeding	VP4	06/04/2023	17:30	2	N/A	Swimming	N/A	N/A
P04111	Breeding	VP1	22/05/2023	N/A	5	N/A	Feeding	N/A	N/A
P04112	Breeding	VP1	22/05/2023	N/A	4	N/A	Feeding	P	Probable
P04099	Breeding	VP4	24/05/2023	05:20	1	N/A	Swimming	H	Possible
P04115	Breeding	VP4	08/06/2023	15:30	1	N/A	Swimming	FL	Confirmed

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04124	Breeding	VP1	22/06/2023	08:55	4	N/A	Feeding	N/A	N/A
P04132	Breeding	VP1	14/07/2023	15:48	4	N/A	feeding	N/A	N/A
P04139	Breeding	VP4	01/08/2023	12:45	1	N/A	Foraging	N/A	N/A
P04142	Breeding	VP1	09/08/2023	N/A	2	N/A	feeding	N/A	N/A
P04833	Breeding	VP10	18/09/2023	N/A	1	N/A	FEEDING	N/A	N/A
P04149	Breeding	VP1	28/09/2023	07:30	6	N/A	Foraging	N/A	N/A
P04151	Breeding	VP1	28/09/2023	07:30	2	N/A	Swimming	N/A	N/A
P04152	Breeding	VP1	28/09/2023	07:30	3	N/A	Swimming	N/A	N/A
P04153	Breeding	VP1	28/09/2023	07:30	2	N/A	Foraging	N/A	N/A
P04155	Breeding	VP4	29/09/2023	07:45	1	N/A	Swimming	N/A	N/A
P05858	Non-breeding	VP1	03/10/2023	09:20	9	N/A	Swimming	N/A	N/A
P05870	Non-breeding	VP7	06/12/2023	07:45	5	N/A	Swimming	N/A	N/A
P05868	Non-breeding	VP1	11/12/2023	09:20	9	N/A	Swimming	N/A	N/A
P05878	Non-breeding	VP7	02/02/2024	08:05	4	N/A	Foraging	N/A	N/A
P05885	Non-breeding	VP8	13/02/2024	11:35	8	N/A	Foraging	N/A	N/A
P06107	Breeding	VP1	14/04/2024	17:40	2	N/A	Swimming	N/A	N/A
P06136	Breeding	VP10	07/05/2024	05:10	2	N/A	Foraging	N/A	N/A
P06117	Breeding	VP1	15/07/2024	11:40	9	FS1	Swimming	N/A	N/A
P06118	Breeding	VP1	15/07/2024	13:30	9	FW2	Swimming	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01079	Breeding	Ref: 5	20/04/2022	13	Swimming around Inchenagh island.	N/A	N/A
P01083	Breeding	Ref: 4	20/04/2022	3	Suitable nesting habitat	H	Possible
P01096	Breeding	Ref: 7	21/04/2022	2	Roosting on small island beside the bridge.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01099	Breeding	Ref: 8	21/04/2022	1	Swimming amongst reeds.	N/A	N/A
P01101	Breeding	Ref: 10	21/04/2022	2	Swimming on open water.	N/A	N/A
P01104	Breeding	Ref: 15	21/04/2022	4	Swimming on open water.	N/A	N/A
P01108	Breeding	Ref: 18	21/04/2022	2	Swimming north side of bridge together.	N/A	N/A
P01124	Breeding	New site	22/04/2022	6	3 pairs swimming on open water. Suitable nesting habitat	H	Possible
P01307	Breeding	Rhynmount Bog.	10/05/2022	2	Pair swimming on lake together.	N/A	N/A
P01310	Breeding	Rhynmount Bog.	10/05/2022	1	Swimming and foraging on lake.	N/A	N/A
P01315	Breeding	Ref: 12	11/05/2022	5	Swimming arond river and foraging on field.	N/A	N/A
P01318	Breeding	Ref: 11	11/05/2022	2	Pair swimming on river together.	N/A	N/A
P01319	Breeding	Ref: 15	11/05/2022	2	Pair swimming on river together.	N/A	N/A
P01321	Breeding	Ref: 18	11/05/2022	2	Pair swimming on river together.	N/A	N/A
P01324	Breeding	Ref: 5	12/05/2022	16	Foraging, roosting on and swinging around the island, possible 1 bird on nest.	ON	Confirmed
P01198	Breeding	VP Number 10	17/05/2022	2	2 Mute Swans on river	H	Possible
P01199	Breeding	VP Number 10	17/05/2022	2	2 Mallards on river	H	Possible
P01207	Breeding	VP Number 7	17/05/2022	2	2 Mute Swans on river	H	Possible
P01456	Breeding	Ref: 7	10/06/2022	2	Pair swimming together on river.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01458	Breeding	Ref: 10	10/06/2022	4	2 Pairs swimming together on river.	P	Probable
P01459	Breeding	Ref: 8	10/06/2022	2	Pair swimming together around reeds.	N/A	N/A
P01464	Breeding	Ref: 5	10/06/2022	2	Swimming around island.	N/A	N/A
P01467	Breeding	Ref: 4	10/06/2022	1	Swimming around wetland.	N/A	N/A
P01477	Breeding	Rhynmount Bog.	14/06/2022	2	Swimming around wetland.	N/A	N/A
P01486	Breeding	Corlea Wetlands	20/06/2022	2	Swimming around wetland.	N/A	N/A
P01571	Breeding	ref: 5	06/07/2022	2	Swimming around the reeds.	N/A	N/A
P01574	Breeding	ref: 9	06/07/2022	16	Swimming on open water.	N/A	N/A
P01586	Breeding	ref: 8	11/07/2022	9	Swimming and roosting on open water.	N/A	N/A
P01593	Breeding	Rhynmount Bog.	11/07/2022	1	Swimming around wetland.	N/A	N/A
P01599	Breeding	Rhynmount Bog.	11/07/2022	2	Swimming around wetland.	N/A	N/A
P01693	Breeding	ref: 8	10/08/2022	26	Roosting and foraging, mostly adults 2 chicks.	N/A	N/A
P01697	Breeding	ref: 10	10/08/2022	2	Swimming on open water.	N/A	N/A
P01702	Breeding	ref: 5	10/08/2022	3	Swimming on open water.	N/A	N/A
P01707	Breeding	Corlea Wetlands	10/08/2022	2	Foraging around the wetland.	N/A	N/A
P01711	Breeding	Rhynmount Bog.	11/08/2022	2	Swimming around wetland.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01714	Breeding	Rhynmount Bog.	11/08/2022	5	Foraging around the wetland.	N/A	N/A
P01717	Breeding	ref: 12	11/08/2022	2	Swimming on open water.	N/A	N/A
P01792	Breeding	Ref No: 8	13/09/2022	81	Swimming on open water.	N/A	N/A
P01801	Breeding	Ref No: 9	13/09/2022	6	Swimming on open water.	N/A	N/A
P01802	Breeding	Ref No: 5	13/09/2022	19	Swimming on open water.	N/A	N/A
P01812	Breeding	Rhynmount Bog.	14/09/2022	5	Swimming around wetland.	N/A	N/A
P01820	Breeding	Ref No: 12	14/09/2022	2	Swimming on open water.	N/A	N/A
P01821	Breeding	Corlea Wetlands	14/09/2022	2	Swimming around wetland.	N/A	N/A
P01888	Non-breeding	Rhynmount Bog	12/10/2022	2	Foraging on wetlands.	N/A	N/A
P01890	Non-breeding	Rhynmount Bog	12/10/2022	1	Roosting on wetlands.	N/A	N/A
P01892	Non-breeding	Rhynmount Bog	12/10/2022	15	Foraging and roosting on wetlands.	N/A	N/A
P01903	Non-breeding	Ref No 8	13/10/2022	65	Swimming on open water.	N/A	N/A
P01911	Non-breeding	Ref No 9	13/10/2022	2	Swimming on open water.	N/A	N/A
P01912	Non-breeding	Ref No 5	13/10/2022	8	Swimming on open water.	N/A	N/A
P01918	Non-breeding	Ref No 12	14/10/2022	8	Foraging/ Roosting on open water . 5 adults 3 big chicks.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01937	Non-breeding	Lough at Corlea	27/10/2022	2	swimming and feeding. Initially male roosting in reeds	N/A	N/A
P01945	Non-breeding	iwebs 1234	31/10/2022	5	group of 3 and 2. Fist towards the east and second on the western shore	N/A	N/A
P02019	Non-breeding	Near site 4, LeTergullion	06/11/2022	2	Swimming on open water	N/A	N/A
P01947	Non-breeding	Ref No 8	08/11/2022	15	Roosting on open water.	N/A	N/A
P01952	Non-breeding	Ref No 10	08/11/2022	3	Swimming on river.	N/A	N/A
P01955	Non-breeding	Ref No 5	08/11/2022	7	Swimming on open water.	N/A	N/A
P01960	Non-breeding	Ref No 9	08/11/2022	2	Swimming on open water.	N/A	N/A
P01962	Non-breeding	Rhynmount Bog	16/11/2022	2	Swimming on wetlands.	N/A	N/A
P01963	Non-breeding	Rhynmount Bog	16/11/2022	2	Swimming on wetlands.	N/A	N/A
P01966	Non-breeding	Rhynmount Bog	16/11/2022	16	Foraging and roosting on wetlands.	N/A	N/A
P01975	Non-breeding	Ref No 13	16/11/2022	7	Swimming on flooded field.	N/A	N/A
P01977	Non-breeding	Ref No 12	16/11/2022	7	Foraging/ Swimming on flodded field.	N/A	N/A
P01987	Non-breeding	Ref No 18	17/11/2022	10	Swimming on flodded field.	N/A	N/A
P02035	Non-breeding	Ref No 8	07/12/2022	3	Swimming on open water.	N/A	N/A
P02036	Non-breeding	Ref No 10	07/12/2022	5	Swimming on open water.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02045	Non-breeding	Ref No 5	07/12/2022	9	Swimming on open water.	N/A	N/A
P02053	Non-breeding	Rhynmount Bog	08/12/2022	2	Swimming on wetland.	N/A	N/A
P02057	Non-breeding	Rhynmount Bog	08/12/2022	5	Swimming on wetland.	N/A	N/A
P02062	Non-breeding	Rhynmount Bog	08/12/2022	21	Roosting/ Swimming on wetland.	N/A	N/A
P02071	Non-breeding	Ref No 13	08/12/2022	4	Swimming on flooded field.	N/A	N/A
P02073	Non-breeding	Ref No 12	08/12/2022	6	Swimming on open water.	N/A	N/A
P02077	Non-breeding	Derrycashel Bog	08/12/2022	4	Swimming on wetland.	N/A	N/A
P02086	Non-breeding	Ref No 17	12/12/2022	3	Swimming on flooded field.	N/A	N/A
P02110	Non-breeding	Site 4, Turlough at LeTergullion	27/12/2022	3	2 on water, one on island	N/A	N/A
P02128	Non-breeding	Corlea Bog Amenity Walk Southside	27/12/2022	2	Appeared from rushes and reeds at side of water	N/A	N/A
P02130	Non-breeding	Corlea Bog Amenity Walk Northside	27/12/2022	2	Swimming on lough	N/A	N/A
P02171	Non-breeding	Ref No 8	10/01/2023	2	Swimming on open water.	N/A	N/A
P02176	Non-breeding	Ref No 10	10/01/2023	2	Swimming on open water.	N/A	N/A
P02180	Non-breeding	Ref No 6	10/01/2023	2	Swimming on open water.	N/A	N/A
P02183	Non-breeding	Ref No 5	10/01/2023	2	Swimming on open water.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02187	Non-breeding	Rhynmount Bog VP1	13/01/2023	2	Swimming on wetland.	N/A	N/A
P02190	Non-breeding	Rhynmount Bog VP2	13/01/2023	3	Swimming on wetland.	N/A	N/A
P02193	Non-breeding	Rhynmount Bog VP3	13/01/2023	19	Roosting/ Swimming on wetland.	N/A	N/A
P02133	Non-breeding	Corlea Bog Amenity Walk	15/01/2023	2	Swimming and feeding on water	N/A	N/A
P02313	Non-breeding	Corlea Bog Amenity Walk	15/01/2023	2	Swimming and feeding on water	N/A	N/A
P02200	Non-breeding	Ref No 12	23/01/2023	4	Swimming on open water.	N/A	N/A
P02201	Non-breeding	Ref No 13	23/01/2023	5	Swimming on flooded field.	N/A	N/A
P02210	Non-breeding	Ref No 17	23/01/2023	7	Swimming on flooded field.	N/A	N/A
P02211	Non-breeding	Ref No 18	23/01/2023	2	Swimming on flooded field.	N/A	N/A
P02140	Non-breeding	NE of Lisnacusha	29/01/2023	2	Swimming	N/A	N/A
P02151	Non-breeding	Site 4, Turlough	29/01/2023	1	Near MA	N/A	N/A
P02160	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	1	Swimming with WS on west side	N/A	N/A
P02166	Non-breeding	Site 3 on map Derrymacar lough	29/01/2023	1	N/A	N/A	N/A
P02320	Non-breeding	NE of Lisnacusha	29/01/2023	2	Swimming	N/A	N/A
P02331	Non-breeding	Site 4, Turlough	29/01/2023	1	Near MA	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02340	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	1	Swimming with WS on west side	N/A	N/A
P02346	Non-breeding	Site 3 on map Derrymacar lough	29/01/2023	1	N/A	N/A	N/A
P02218	Non-breeding	Ref No 7	03/02/2023	2	Roosting	N/A	N/A
P02230	Non-breeding	Ref No 10	03/02/2023	2	Roosting on open water.	N/A	N/A
P02232	Non-breeding	Ref No 5	03/02/2023	7	Swimming on open water.	N/A	N/A
P02240	Non-breeding	Ref No 9	03/02/2023	2	Swimmimg around island.	N/A	N/A
P02242	Non-breeding	Ref No 13	10/02/2023	1	Swimming on open water.	N/A	N/A
P02243	Non-breeding	Ref No 12	10/02/2023	3	Swimming on open water.	N/A	N/A
P02280	Non-breeding	Cloontaghmore	12/02/2023	2	Swimming and occassional feeding	N/A	N/A
P02351	Non-breeding	Cloontaghmore	12/02/2023	2	Swimming and occassional feeding	N/A	N/A
P02265	Non-breeding	Rhynmount Bog VP2	16/02/2023	5	Swimming on wetland.	N/A	N/A
P02269	Non-breeding	Rhynmount Bog VP3	16/02/2023	23	Roosting/ Swimming on wetland.	N/A	N/A
P02292	Non-breeding	Site 4 Turlough	25/02/2023	3	2 swimming and 1 on nearvy 'island'	N/A	N/A
P02304	Non-breeding	South of Site 4. Flooded field/mini-turlough complex	25/02/2023	11	On wet Grassland	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02307	Non-breeding	Loughpark, Site 3	25/02/2023	2	Swimming	N/A	N/A
P02363	Non-breeding	Site 4 Turlough	25/02/2023	3	2 swimming and 1 on nearvy 'island'	N/A	N/A
P02375	Non-breeding	South of Site 4. Flooded field/mini-turlough complex	25/02/2023	11	On wet Grassland	N/A	N/A
P02378	Non-breeding	Loughpark, Site 3	25/02/2023	2	Swimming	N/A	N/A
P02425	Non-breeding	Ref No 8	03/03/2023	18	Foraging on open water.	N/A	N/A
P02428	Non-breeding	Ref No 10	03/03/2023	1	Foraging on open water.	N/A	N/A
P02439	Non-breeding	Ref No 5	03/03/2023	5	Foraging on open water.	N/A	N/A
P02452	Non-breeding	Rhynmount Bog VP1	16/03/2023	2	Swimming on wetland.	N/A	N/A
P02454	Non-breeding	Rhynmount Bog VP2	16/03/2023	2	Foraging	N/A	N/A
P02463	Non-breeding	Rhynmount Bog VP3	16/03/2023	11	Foraging	N/A	N/A
P02471	Non-breeding	Ref No 13	16/03/2023	2	Foraging	N/A	N/A
P02474	Non-breeding	Ref No 12	16/03/2023	22	Foraging	N/A	N/A
P02481	Non-breeding	Derrycashel Bog	16/03/2023	4	Foraging	N/A	N/A
P02384	Non-breeding	Corlea Walkway	23/03/2023	2	In reeds and open water	N/A	N/A
P04156	Breeding	Ref No 7	14/04/2023	2	Swiming	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04162	Breeding	Ref No 8	14/04/2023	9	4 Adults, 5 Juv, adult on nest .	ON	Confirmed
P04175	Breeding	Ref No 10	14/04/2023	2	Swimming	N/A	N/A
P04184	Breeding	Ref No 12	14/04/2023	9	Foraging	N/A	N/A
P04192	Breeding	Ref No 13	14/04/2023	4	Swiming	H	Possible
P04195	Breeding	Ref No 15	14/04/2023	2	Swiming	H	Possible
P04196	Breeding	Ref No 17	14/04/2023	5	Swiming	H	Possible
P04200	Breeding	Rhymount VP1	14/04/2023	1	Swiming	H	Possible
P04209	Breeding	Rhymount VP2	14/04/2023	4	Swimming, 1 bird on nest	ON	Confirmed
P04211	Breeding	Rhymount VP3	14/04/2023	3	Swiming	H	Possible
P04284	Breeding	Corlea lake	27/04/2023	2	2 Mute Swans feeding	H	Possible
P04322	Breeding	Onsite	03/05/2023	2	Swimming	N/A	N/A
P04331	Breeding	Rhynmount VP1	03/05/2023	1	Swimming	N/A	N/A
P04333	Breeding	Rhynmount VP2	03/05/2023	4	2 pairs alarm calling	A	Probable
P04338	Breeding	Rhynmount VP3	03/05/2023	1	Foraging.	N/A	N/A
P04342	Breeding	Ref No: 15	03/05/2023	1	Swimming	N/A	N/A
P04343	Breeding	Ref No: 12	03/05/2023	1	Swimming	N/A	N/A
P04356	Breeding	Derrycashel Bog	03/05/2023	3	Swimming	N/A	N/A
P04361	Breeding	Ref No: 8	03/05/2023	25	Adults foraging	N/A	N/A
P04367	Breeding	Ref No: 7	03/05/2023	1	Swimming	N/A	N/A
P04411	Breeding	5 KM radius	26/05/2023	7	2 Adults with 5 cygnets	FL	Confirmed
P04416	Breeding	5 KM radius	26/05/2023	35	35 Mute Swans feeding on lake	H	Possible
P04474	Breeding	Onsite	02/06/2023	2	Foraging	N/A	N/A
P04479	Breeding	Rhynmount VP1	02/06/2023	2	Roosting	H	Possible

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04481	Breeding	Rhynmount VP2	02/06/2023	4	2 Adults with 2 small Cygnets roosting.	FL	Confirmed
P04485	Breeding	Rhynmount VP3	02/06/2023	4	Swimming	N/A	N/A
P04487	Breeding	Ref No: 15	02/06/2023	2	Swimming	N/A	N/A
P04488	Breeding	Ref No: 12	02/06/2023	5	Swimming	N/A	N/A
P04497	Breeding	Ref No: 8	02/06/2023	55	Adults foraging	N/A	N/A
P04502	Breeding	Ref No: 7	02/06/2023	1	Swimming	N/A	N/A
P04511	Breeding	Lough Ree	09/06/2023	18	18 Mute Swans feeding on lake	H	Possible
P04525	Breeding	5 KM radius	09/06/2023	7	2 Adult Mute Swans with 5 cygnets on lake	FL	Confirmed
P04603	Breeding	Onsite	07/07/2023	2	Foraging	N/A	N/A
P04612	Breeding	Rhynmount VP1	07/07/2023	2	Swimming	N/A	N/A
P04616	Breeding	Rhynmount VP3	07/07/2023	7	Swimming	N/A	N/A
P04618	Breeding	Ref No: 12	07/07/2023	3	Swimming	N/A	N/A
P04626	Breeding	Ref No: 8	07/07/2023	21	Adults foraging	N/A	N/A
P04632	Breeding	Ref No: 7	07/07/2023	6	2 adults and 4 small cygnets swimming.	FL	Confirmed
P04644	Breeding	Lough Ree	19/07/2023	10	10 Mute Swans feeding on lake	N/A	N/A
P04652	Breeding	09200 61800	19/07/2023	4	4 Mute Swans on lake	N/A	N/A
P04722	Breeding	Rhynmount VP1	03/08/2023	5	Foraging, 2 adults and 3 half grown cygnets.	N/A	N/A
P04727	Breeding	Rhynmount VP3	03/08/2023	13	Foraging, 9 adults and 4 big cygnets.	N/A	N/A
P04728	Breeding	Ref No: 12	03/08/2023	7	Foraging, 4 adults and 3 big cygnets.	N/A	N/A
P04732	Breeding	Ref No: 8	03/08/2023	38	Adults/ sub adults foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04751	Breeding	Lough Ree	10/08/2023	10	10 Mute Swans feeding on Lough Ree	N/A	N/A
P04836	Breeding	09232 61917	07/09/2023	1	Mute Swan feeding on Corlea lake	N/A	N/A
P04838	Breeding	01724 63197	07/09/2023	2	2 Mute Swans feeding on Turlough	N/A	N/A
P04842	Breeding	Lough Ree	07/09/2023	8	8 Mute Swans feeding on lake	N/A	N/A
P04810	Breeding	Ref No: 8	28/09/2023	3	Adults Foraging	N/A	N/A
P04818	Breeding	Ref No: 7	28/09/2023	2	Swimming	N/A	N/A
P04822	Breeding	Derrycashel Bog	28/09/2023	3	Foraging	N/A	N/A
P04824	Breeding	Ref No: 12	28/09/2023	54	Foraging, adults, sub adults and 2 cygnets.	N/A	N/A
P04825	Breeding	Rhynmount VP1	28/09/2023	2	Swimming, Adults	N/A	N/A
P04826	Breeding	Rhynmount VP2	28/09/2023	11	Roosting adults, sub adults.	N/A	N/A
P04828	Breeding	Rhynmount VP3	28/09/2023	10	Swimming, Adults	N/A	N/A
P06429	Non-breeding	5	06/10/2023	7	7 Mute Swans on lake	N/A	N/A
P06435	Non-breeding	N/A	06/10/2023	2	2 Mute Swans on turlough	N/A	N/A
P06371	Non-breeding	Ref No: 10	10/10/2023	5	Foraging	N/A	N/A
P06380	Non-breeding	Ref No: 8	10/10/2023	1	Roosting	N/A	N/A
P06385	Non-breeding	Derrycashel Bog	10/10/2023	3	Swimming	N/A	N/A
P06388	Non-breeding	Ref No: 12	11/10/2023	10	Swimming	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06391	Non-breeding	Ref No: 13	11/10/2023	4	Swimming	N/A	N/A
P06393	Non-breeding	Ref No: 17	11/10/2023	22	Swimming	N/A	N/A
P06395	Non-breeding	Rhynmount	11/10/2023	7	Swimming	N/A	N/A
P06441	Non-breeding	5	14/10/2023	5	5 Mute Swans on Lough Ree	N/A	N/A
P06444	Non-breeding	N/A	14/10/2023	2	2 Mute Swans on turlough	N/A	N/A
P06449	Non-breeding	4	14/10/2023	3	3 Mute Swans on turlough	N/A	N/A
P06456	Non-breeding	N/A	18/10/2023	1	Mute Swan on lake	N/A	N/A
P06183	Non-breeding	Ref No: 10	08/11/2023	5	Swimming	N/A	N/A
P06186	Non-breeding	Ref No: 7	08/11/2023	3	Swimming	N/A	N/A
P06196	Non-breeding	Derrycashel Bog	08/11/2023	2	Swimming	N/A	N/A
P06200	Non-breeding	Ref No: 12	13/11/2023	6	Swimming	N/A	N/A
P06203	Non-breeding	Ref No: 13	13/11/2023	10	Swimming	N/A	N/A
P06205	Non-breeding	Ref No: 17	13/11/2023	39	Swimming	N/A	N/A
P06209	Non-breeding	Rhynmount	13/11/2023	19	Swimming	N/A	N/A
P06268	Non-breeding	Corlea lake	20/11/2023	6	6 Mute Swans on lake/flooded bog	N/A	N/A
P06275	Non-breeding	4	20/11/2023	8	8 Mute Swans on Turlough	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06284	Non-breeding	5	20/11/2023	6	6 Mute Swans on Lough Ree	N/A	N/A
P06292	Non-breeding	5	23/11/2023	7	2 Mute Swans on lake	N/A	N/A
P06298	Non-breeding	4	23/11/2023	2	2 Mute Swans on turlough	N/A	N/A
P06300	Non-breeding	4	23/11/2023	7	7 Mute Swans on turlough	N/A	N/A
P06306	Non-breeding	N/A	23/11/2023	7	7 Mute Swans on flooded bog/small lake	N/A	N/A
P06311	Non-breeding	N/A	27/11/2023	5	5 Mute Swans on small lake/flooded area	N/A	N/A
P06319	Non-breeding	4	27/11/2023	8	8 Mute Swans on turlough	N/A	N/A
P06331	Non-breeding	5	27/11/2023	12	12 Mute Swans on Lough Ree	N/A	N/A
P06549	Non-breeding	5	06/12/2023	5	5 Mute Swans on lake	N/A	N/A
P06557	Non-breeding	4	06/12/2023	3	3 Mute Swans on lake	N/A	N/A
P06563	Non-breeding	4	06/12/2023	14	14 Mute Swans on turlough	N/A	N/A
P06565	Non-breeding	Corlea	06/12/2023	3	3 Mute Swans on small lake/flooded area of bog	N/A	N/A
P06489	Non-breeding	Onsite	08/12/2023	2	Swimming	N/A	N/A
P06494	Non-breeding	Rhynmount	08/12/2023	12	Swimming	N/A	N/A
P06501	Non-breeding	Ref No: 8	11/12/2023	9	Swimming	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06510	Non-breeding	Ref No: 12	11/12/2023	6	Swimming	N/A	N/A
P06512	Non-breeding	Ref No: 13	11/12/2023	10	Swimming	N/A	N/A
P06515	Non-breeding	Ref No: 17	11/12/2023	12	Swimming	N/A	N/A
P06567	Non-breeding	Corlea	18/12/2023	3	3 Mute Swans on Corlea lake	N/A	N/A
P06574	Non-breeding	4	18/12/2023	13	13 Mute Swans on turlough	N/A	N/A
P06583	Non-breeding	5	18/12/2023	12	12 Mute Swans in flooded field near Lough Ree	N/A	N/A
P06637	Non-breeding	Southern half of site	02/01/2024	2	N/A	N/A	N/A
P06640	Non-breeding	Southern half of site	02/01/2024	9	N/A	N/A	N/A
P06603	Non-breeding	Ref No: 8	05/01/2024	1	N/A	N/A	N/A
P06610	Non-breeding	Ref No: 12	12/01/2024	26	N/A	N/A	N/A
P06614	Non-breeding	Ref No: 13	12/01/2024	6	N/A	N/A	N/A
P06617	Non-breeding	Ref No: 15	12/01/2024	2	N/A	N/A	N/A
P06622	Non-breeding	Ref No: 17	12/01/2024	3	N/A	N/A	N/A
P06624	Non-breeding	Rhynmount	12/01/2024	16	N/A	N/A	N/A
P06632	Non-breeding	Onsite	12/01/2024	2	N/A	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06651	Non-breeding	Southern half of site	25/01/2024	5	N/A	N/A	N/A
P06656	Non-breeding	Southern half of site	25/01/2024	5	N/A	N/A	N/A
P06661	Non-breeding	Southern half of site	25/01/2024	10	N/A	N/A	N/A
P06665	Non-breeding	Southern half of site	25/01/2024	8	N/A	N/A	N/A
P06675	Non-breeding	Ref No: 10	06/02/2024	4	N/A	N/A	N/A
P06679	Non-breeding	Ref No: 8	06/02/2024	2	N/A	N/A	N/A
P06691	Non-breeding	Ref No: 12	06/02/2024	4	N/A	N/A	N/A
P06696	Non-breeding	Ref No: 13	06/02/2024	2	N/A	N/A	N/A
P06700	Non-breeding	Ref No: 15	14/02/2024	2	N/A	N/A	N/A
P06702	Non-breeding	Ref No: 17	14/02/2024	6	N/A	N/A	N/A
P06705	Non-breeding	Rhynmount	14/02/2024	7	N/A	N/A	N/A
P06720	Non-breeding	Southern half of site	19/02/2024	2	2 Mute Swans on wetland area of bog	N/A	N/A
P06729	Non-breeding	Southern half of site	19/02/2024	8	On lake	N/A	N/A
P06740	Non-breeding	Southern half of site	19/02/2024	4	On Turlough	N/A	N/A
P06747	Non-breeding	Southern half of site	21/02/2024	6	On Turlough	N/A	N/A
P06756	Non-breeding	Southern half of site	23/02/2024	2	2 Mute Swans on wetland area of bog	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06762	Non-breeding	Southern half of site	23/02/2024	8	On Lough Ree	N/A	N/A
P06766	Non-breeding	Southern half of site	23/02/2024	6	On flooded fields near Lough Ree.	N/A	N/A
P06771	Non-breeding	Ref No: 10	07/03/2024	2	Swimming	N/A	N/A
P06784	Non-breeding	Ref No: 8	07/03/2024	7	Foraging	N/A	N/A
P06789	Non-breeding	Derrycashel Bog	07/03/2024	2	Flying	N/A	N/A
P06797	Non-breeding	Ref No: 13	07/03/2024	2	Foraging	N/A	N/A
P06799	Non-breeding	Ref No: 15	08/03/2024	2	Swimming	N/A	N/A
P06800	Non-breeding	Ref No: 17	08/03/2024	2	Swimming	N/A	N/A
P06805	Non-breeding	Rhynmount	08/03/2024	12	Swimming	N/A	N/A
P06813	Non-breeding	Onsite	08/03/2024	2	Swimming	N/A	N/A
P04931	Breeding	Ref No:1	08/04/2024	2	Swimming. Adults	N/A	N/A
P04938	Breeding	Ref No:2	08/04/2024	3	Swimming. Adults/ sub adults.	P	Probable
P04956	Breeding	Ref No:12	15/04/2024	8	Swimming. Adults/ sub adults.	P	Probable
P04961	Breeding	2 km North of site	16/04/2024	2	Pair of Mute Swans on wetland	P	Probable
P04972	Breeding	2 km North of site	17/04/2024	2	2 Mute Swans on Lough Ree	H	Possible
P05094	Breeding	Ref No:1	10/05/2024	2	Swimming.	N/A	N/A
P05102	Breeding	Ref No:5	10/05/2024	2	Pair, 1 bird on nest.	ON	Confirmed
P05124	Breeding	Ref No:12	13/05/2024	2	Swimming. Adults.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05193	Breeding	2KM Buffer	16/05/2024	2	Pair of Mute Swans in suitable habitat	P	Probable
P05195	Breeding	2KM Buffer	16/05/2024	5	5 Mute Swans on wetland -Non breeders.	U	Non-Breeding
P05283	Breeding	Ref No:1	07/06/2024	2	Swimming.	N/A	N/A
P05313	Breeding	Ref No:12	11/06/2024	2	Swimming.	N/A	N/A
P05336	Breeding	2km buffer	17/06/2024	6	2 Mute Swans with 4 cygnets	FL	Confirmed
P05339	Breeding	2km buffer	17/06/2024	5	5 Mute Swans on wetland	N/A	N/A
P05347	Breeding	2km buffer	18/06/2024	1	Mute Swan on small piece of land in middle of river	H	Possible
P05352	Breeding	2km buffer	18/06/2024	4	4 Non Breeding Mute Swans on lake.	U	Non-Breeding
P05451	Breeding	Ref No:1	03/07/2024	2	Swimming.	N/A	N/A
P05483	Breeding	Ref No:12	05/07/2024	2	Swimming.	N/A	N/A
P05531	Breeding	2km buffer	29/07/2024	6	2 Adults and 4 cygnets on wetland	H	Possible
P05535	Breeding	2km buffer	29/07/2024	5	5 Bachelor Mute Swans on wetland	N/A	N/A
P05595	Breeding	Ref No:1	08/08/2024	2	Swimming.	N/A	N/A
P05629	Breeding	Ref No:12	09/08/2024	3	2 adults and 1 cygnet.	N/A	N/A
P05660	Breeding	2 Km buffer	20/08/2024	2	2 Mute Swans feeding on lake	N/A	N/A
P05661	Breeding	2 Km buffer	20/08/2024	7	2 Adults and 5 Cygnets feeding on lake	N/A	N/A
P05697	Breeding	2 km buffer	27/08/2024	2	2 Mute Swanson wetland	N/A	N/A
P05698	Breeding	2 km buffer	27/08/2024	8	8 Mute Swanson wetland	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05700	Breeding	2 km buffer	27/08/2024	4	4 Mute Swans on wetland	N/A	N/A
P05758	Breeding	Ref No:2	02/09/2024	2	Swimming adult.	N/A	N/A
P05791	Breeding	2km buffer	03/09/2024	2	2 Mute Swans on wetland area	N/A	N/A
P05793	Breeding	2km buffer	03/09/2024	2	2 Mute Swans on wetland area	N/A	N/A
P05804	Breeding	2km buffer	04/09/2024	11	11 Mute Swans on lake	N/A	N/A
P05808	Breeding	2km buffer	04/09/2024	2	2 Mute Swan on lake	N/A	N/A
P05781	Breeding	Ref No:12	06/09/2024	6	Swimming. 5 adults and 1 cygnet.	N/A	N/A
P05283	Breeding	Ref No:1	07/06/2024	2	Swimming.	N/A	N/A
P05313	Breeding	Ref No:12	11/06/2024	2	Swimming.	N/A	N/A
P05336	Breeding	2km buffer	17/06/2024	6	2 Mute Swans with 4 cygnets	FL	Confirmed
P05339	Breeding	2km buffer	17/06/2024	5	5 Mute Swans on wetland	N/A	N/A
P05347	Breeding	2km buffer	18/06/2024	1	Mute Swan on small piece of land in middle of river	H	Possible
P05352	Breeding	2km buffer	18/06/2024	4	4 Non Breeding Mute Swans on lake.	U	Non-Breeding
P05451	Breeding	Ref No:1	03/07/2024	2	Swimming.	N/A	N/A
P05483	Breeding	Ref No:12	05/07/2024	2	Swimming.	N/A	N/A
P05531	Breeding	2km buffer	29/07/2024	6	2 Adults and 4 cygnets on wetland	H	Possible
P05535	Breeding	2km buffer	29/07/2024	5	5 Bachelor Mute Swans on wetland	N/A	N/A
P05595	Breeding	Ref No:1	08/08/2024	2	Swimming.	N/A	N/A
P05629	Breeding	Ref No:12	09/08/2024	3	2 adults and 1 cygnet.	N/A	N/A
P05660	Breeding	2 Km buffer	20/08/2024	2	2 Mute Swans feeding on lake	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05661	Breeding	2 Km buffer	20/08/2024	7	2 Adults and 5 Cygnets feeding on lake	N/A	N/A
P05697	Breeding	2 km buffer	27/08/2024	2	2 Mute Swanson wetland	N/A	N/A
P05698	Breeding	2 km buffer	27/08/2024	8	8 Mute Swanson wetland	N/A	N/A
P05700	Breeding	2 km buffer	27/08/2024	4	4 Mute Swans on wetland	N/A	N/A
P05758	Breeding	Ref No:2	02/09/2024	2	Swimming adult.	N/A	N/A
P05791	Breeding	2km buffer	03/09/2024	2	2 Mute Swans on wetland area	N/A	N/A
P05793	Breeding	2km buffer	03/09/2024	2	2 Mute Swans on wetland area	N/A	N/A
P05804	Breeding	2km buffer	04/09/2024	11	11 Mute Swans on lake	N/A	N/A
P05808	Breeding	2km buffer	04/09/2024	2	2 Mute Swan on lake	N/A	N/A
P05781	Breeding	Ref No:12	06/09/2024	6	Swimming. 5 adults and 1 cygnet.	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01012	Breeding	T19	11/04/2022	N/A	1	PB4	Swimming on pond.	N/A	N/A
P01058	Breeding	T10	22/04/2022	N/A	2	PB4	On flooded area.	N/A	N/A
P02914	Non-breeding	T13	14/11/2022	07:40	2	PB4	Swimming.	N/A	N/A
P03013	Non-breeding	T19	07/12/2022	09:15	1	PB4	Swimming	N/A	N/A
P03052	Non-breeding	T20	08/12/2022	10:00	3	PB4	Swimming	N/A	N/A
P03054	Non-breeding	T20	08/12/2022	10:10	9	PB4	Swimming	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P03221	Non-breeding	T4	03/01/2023	N/A	2	FL1	Swimming, Flying	N/A	N/A
P03429	Non-breeding	T20	23/01/2023	10:40	2	PB4	Roosting	N/A	N/A
P03468	Non-breeding	T4	04/02/2023	N/A	2	FL1	Swimming	N/A	N/A
P03523	Non-breeding	T17	09/02/2023	10:05	1	PB4	Swimming	N/A	N/A
P03629	Non-breeding	T11	15/02/2023	08:30	1	PB4	Foraging	N/A	N/A
P03645	Non-breeding	T12	15/02/2023	10:20	2	PB4	Flyover.	N/A	N/A
P03703	Non-breeding	T3	12/03/2023	N/A	2	FW2	Swimming	N/A	N/A
P03714	Non-breeding	T5	12/03/2023	N/A	2	PB4	One swimming, other on grass	N/A	N/A
P03851	Non-breeding	T17	14/03/2023	10:10	2	PB4	Swimming	N/A	N/A
P03883	Non-breeding	T11	16/03/2023	09:05	4	PB4	Foraging	N/A	N/A
P03921	Non-breeding	T20	20/03/2023	09:40	2	PB4	Foraging	N/A	N/A
P04229	Breeding	T4	05/04/2023	15:22	2	PB4	N/A	H	Possible
P04249	Breeding	T11	13/04/2023	16:38	2	PB4	N/A	H	Possible
P04299	Breeding	T4	24/05/2023	08:20	2	PB4	N/A	P	Probable
P04401	Breeding	T12	25/05/2023	14:46	2	PB4	N/A	ON	Confirmed
P04457	Breeding	T4	21/06/2023	15:45	2	PB4	N/A	N/A	N/A
P04563	Breeding	T12	28/06/2023	10:42	2	FL8	N/A	H	Possible
P04581	Breeding	T4	05/07/2023	13:00	2	PB4	N/A	N/A	N/A
P04694	Breeding	T4	02/08/2023	11:15	2	FW2	N/A	N/A	N/A
P04792	Breeding	T4	25/09/2023	11:00	1	PB4	N/A	N/A	N/A
P04880	Breeding	T13	29/09/2023	16:50	2	PB4	N/A	N/A	N/A
P06365	Non-breeding	T2	10/10/2023	08:15	8	FW2	Foraging	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P06367	Non-breeding	T2	10/10/2023	08:35	6	FW2	Foraging	N/A	N/A
P06417	Non-breeding	T11	13/10/2023	14:20	2	PB4	Feeding	N/A	N/A
P06422	Non-breeding	T4	18/10/2023	15:25	2	FL1	Swimming	N/A	N/A
P06169	Non-breeding	T2	08/11/2023	11:45	3	FW2	Swimming.	N/A	N/A
P06170	Non-breeding	T2	08/11/2023	11:50	4	FW2	Swimming.	N/A	N/A
P06264	Non-breeding	T4	27/11/2023	15:42	2	PB4	Swimming	N/A	N/A
P06472	Non-breeding	T20	04/12/2023	12:20	5	PB4	Swimming	N/A	N/A
P06483	Non-breeding	T3	07/12/2023	12:45	2	PB4	Flyover	N/A	N/A
P06487	Non-breeding	T2	11/12/2023	08:25	3	FW2	Swimming	N/A	N/A
P06488	Non-breeding	T2	11/12/2023	08:50	4	FW2	Swimming	N/A	N/A
P05928	Non-breeding	T4	03/01/2024	11:00	2	PB4	N/A	N/A	N/A
P05905	Non-breeding	T19	04/01/2024	09:45	2	PB4	N/A	N/A	N/A
P05906	Non-breeding	T2	05/01/2024	08:50	4	FW2	N/A	N/A	N/A
P05908	Non-breeding	T2	05/01/2024	09:25	3	FW2	N/A	N/A	N/A
P05911	Non-breeding	T7	08/01/2024	13:35	1	PB4	N/A	N/A	N/A
P05935	Non-breeding	T11	10/01/2024	09:20	2	PB4	N/A	N/A	N/A
P05966	Non-breeding	T20	01/02/2024	12:55	2	PB4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05970	Non-breeding	T9	02/02/2024	11:40	2	PB4	N/A	N/A	N/A
P05973	Non-breeding	T2	06/02/2024	11:15	4	FW2	N/A	N/A	N/A
P05975	Non-breeding	T2	06/02/2024	11:40	3	FW2	N/A	N/A	N/A
P06065	Non-breeding	T11	05/03/2024	13:00	2	PB4	N/A	N/A	N/A
P06075	Non-breeding	T4	05/03/2024	15:43	2	PB4	N/A	N/A	N/A
P06039	Non-breeding	3	06/03/2024	11:00	2	FW2	N/A	N/A	N/A
P06045	Non-breeding	2	07/03/2024	07:50	4	FW2	N/A	N/A	N/A
P06047	Non-breeding	2	07/03/2024	08:10	2	FW2	N/A	N/A	N/A
P04902	Breeding	T20	02/04/2024	17:25	2	PB4	N/A	N/A	N/A
P04913	Breeding	T2	04/04/2024	16:35	2	FW2	N/A	N/A	N/A
P04988	Breeding	T11	08/04/2024	14:11	2	FL8	2 Mute Swans on wetland	P	Probable
P05009	Breeding	T17	09/04/2024	14:05	3	pb4	3 Mute Swans on flooded area of bog	H	Possible
P04920	Breeding	T4	15/04/2024	08:35	2	PB4	N/A	N/A	N/A
P05067	Breeding	T3	09/05/2024	09:40	1	FW2	N/A	N/A	N/A
P05088	Breeding	T2	14/05/2024	08:45	2	FW2	Pair, 1 bird on nest.	ON	Confirmed
P05252	Breeding	T20	05/06/2024	12:30	2	PB4	N/A	N/A	N/A
P05258	Breeding	T3	10/06/2024	10:50	2	FW2	N/A	N/A	N/A
P05263	Breeding	T4	11/06/2024	07:40	1	PB4	N/A	N/A	N/A
P05276	Breeding	T5	11/06/2024	11:10	2	PB4	N/A	N/A	N/A
P05431	Breeding	T3	02/07/2024	12:15	3	FW2	N/A	N/A	N/A
P05438	Breeding	T4	05/07/2024	07:55	2	PB4	N/A	N/A	N/A
P05450	Breeding	T2	08/07/2024	07:25	3	PB4	N/A	N/A	N/A
P05590	Breeding	T2	12/08/2024	11:15	2	PB4	N/A	N/A	N/A
P05593	Breeding	T2	12/08/2024	11:30	1	PB4	N/A	N/A	N/A

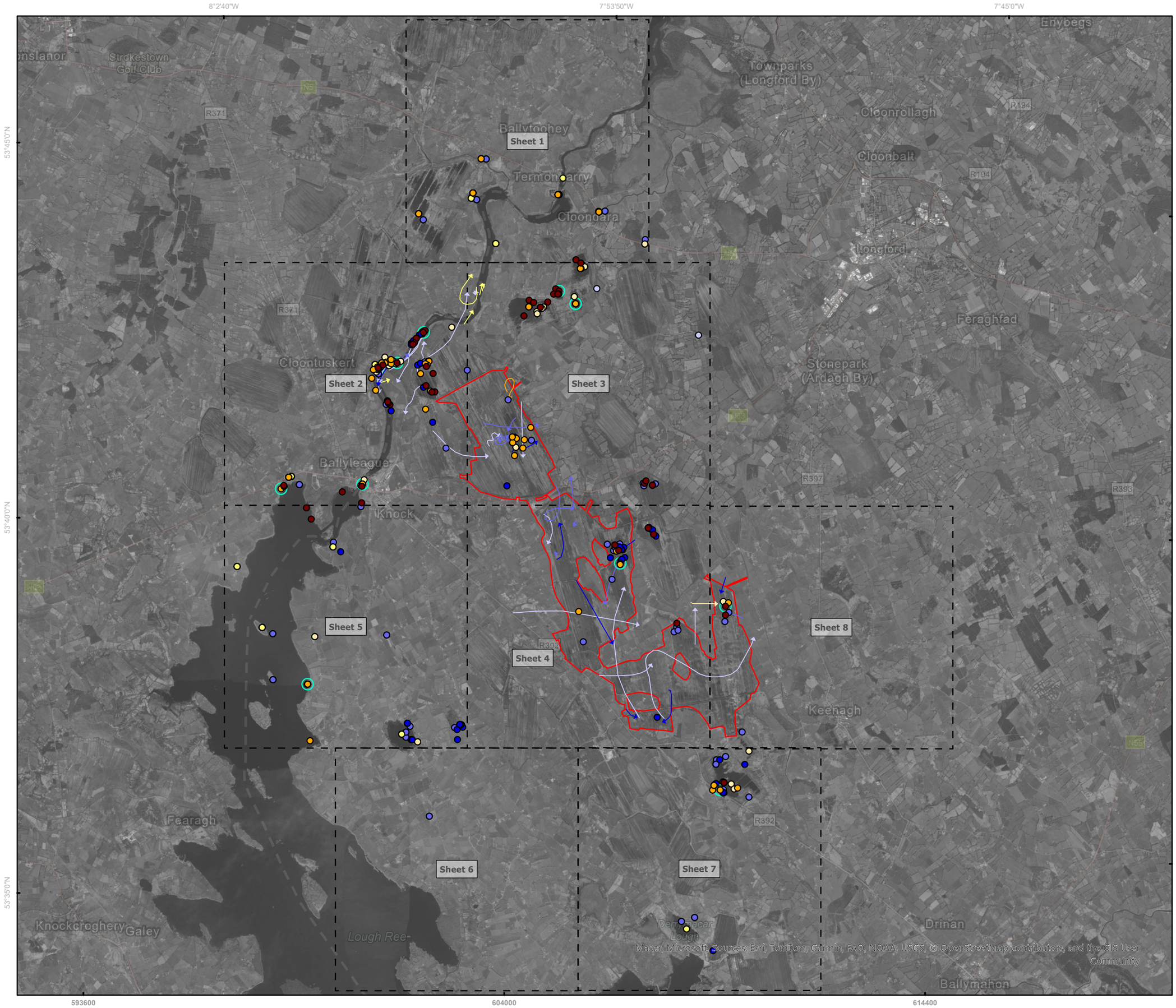
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05798	Breeding	T11	03/09/2024	14:50	2	PB4	N/A	N/A	N/A
P05720	Breeding	T20	04/09/2024	11:10	3	PB4	N/A	N/A	N/A
P05748	Breeding	T5	06/09/2024	10:30	2	PB4	N/A	N/A	N/A
P05749	Breeding	T2	09/09/2024	14:25	3	FW2	N/A	N/A	N/A
P05750	Breeding	T2	09/09/2024	14:55	2	FW2	N/A	N/A	N/A

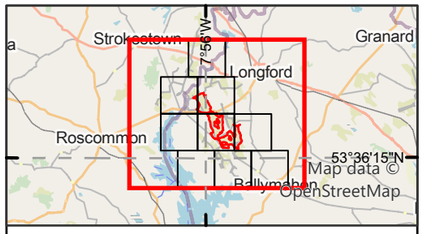
Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00245	Breeding	HHVP3	12/05/2021	2	N/A	N/A
P00250	Breeding	HHVP4	12/05/2021	2	N/A	N/A
P00263	Breeding	HHVP6	12/05/2021	4	N/A	N/A
P00268	Breeding	HHVP7	12/05/2021	4	N/A	N/A
P00287	Breeding	HHVP10	12/05/2021	2	N/A	N/A
P00292	Breeding	HHVP11	13/05/2021	8	N/A	N/A
P00298	Breeding	HHVP12	13/05/2021	6	N/A	N/A
P00306	Breeding	HHVP15	13/05/2021	2	N/A	N/A
P00280	Breeding	HHVP8	14/05/2021	8	N/A	N/A
P00363	Breeding	HHVP11	11/06/2021	8	N/A	N/A
P00366	Breeding	HHVP12	11/06/2021	3	N/A	N/A
P00372	Breeding	HHVP15	11/06/2021	4	N/A	N/A
P00317	Breeding	HHVP3	12/06/2021	2	N/A	N/A
P00331	Breeding	HHVP5	12/06/2021	21	N/A	N/A
P00346	Breeding	HHVP8	12/06/2021	26	N/A	N/A
P00353	Breeding	HHVP9	12/06/2021	8	N/A	N/A
P00360	Breeding	HHVP10	12/06/2021	2	N/A	N/A
P00392	Breeding	HHVP5	17/07/2021	61	N/A	N/A
P00401	Breeding	HHVP6	17/07/2021	2	N/A	N/A
P00404	Breeding	HHVP7	17/07/2021	2	N/A	N/A
P00408	Breeding	HHVP8	17/07/2021	18	N/A	N/A
P00418	Breeding	HHVP9	17/07/2021	47	N/A	N/A
P00427	Breeding	HHVP10	17/07/2021	2	N/A	N/A
P00432	Breeding	HHVP11	17/07/2021	3	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00434	Breeding	HHVP12	17/07/2021	3	N/A	N/A
P00436	Breeding	HHVP13	17/07/2021	2	N/A	N/A
P00450	Breeding	HHVP5	05/08/2021	66	N/A	N/A
P00460	Breeding	HHVP8	05/08/2021	37	N/A	N/A
P00472	Breeding	HHVP9	05/08/2021	21	N/A	N/A
P00477	Breeding	HHVP10	05/08/2021	2	N/A	N/A
P00480	Breeding	HHVP11	05/08/2021	2	N/A	N/A
P00482	Breeding	HHVP12	05/08/2021	3	N/A	N/A
P00487	Breeding	HHVP15	05/08/2021	1	N/A	N/A
P00509	Breeding	HHVP5	14/08/2021	27	N/A	N/A
P00514	Breeding	HHVP7	14/08/2021	2	N/A	N/A
P00518	Breeding	HHVP8	14/08/2021	10	N/A	N/A
P00530	Breeding	HHVP9	14/08/2021	14	N/A	N/A
P00546	Breeding	HHVP12	14/08/2021	1	N/A	N/A
P00553	Breeding	HHVP15	14/08/2021	1	N/A	N/A
P00568	Breeding	HHVP5	09/09/2021	22	N/A	N/A
P00575	Breeding	HHVP6	09/09/2021	2	N/A	N/A
P00577	Breeding	HHVP7	09/09/2021	2	N/A	N/A
P00586	Breeding	HHVP8	09/09/2021	24	N/A	N/A
P00599	Breeding	HHVP9	09/09/2021	32	N/A	N/A
P00603	Breeding	HHVP10	09/09/2021	1	N/A	N/A
P00605	Breeding	HHVP11	09/09/2021	3	N/A	N/A
P00607	Breeding	HHVP12	09/09/2021	1	N/A	N/A
P00610	Breeding	HHVP14	09/09/2021	2	N/A	N/A
P00613	Breeding	HHVP15	09/09/2021	3	N/A	N/A
P00630	Breeding	HHVP5	30/09/2021	14	N/A	N/A
P00637	Breeding	HHVP6	30/09/2021	2	N/A	N/A
P00638	Breeding	HHVP7	30/09/2021	4	N/A	N/A
P00649	Breeding	HHVP8	30/09/2021	9	N/A	N/A
P00662	Breeding	HHVP10	30/09/2021	1	N/A	N/A
P00664	Breeding	HHVP11	30/09/2021	10	N/A	N/A
P00671	Breeding	HHVP15	30/09/2021	2	N/A	N/A
P00684	Non-breeding	HHVP5	26/10/2021	13	N/A	N/A
P00697	Non-breeding	HHVP8	26/10/2021	14	N/A	N/A
P00705	Non-breeding	HHVP9	26/10/2021	4	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00710	Non-breeding	HHVP11	28/10/2021	20	N/A	N/A
P00716	Non-breeding	HHVP15	28/10/2021	2	N/A	N/A
P00727	Non-breeding	HHVP4	24/11/2021	4	N/A	N/A
P00735	Non-breeding	HHVP5	24/11/2021	2	N/A	N/A
P00736	Non-breeding	HHVP6	24/11/2021	4	N/A	N/A
P00743	Non-breeding	HHVP7	24/11/2021	10	N/A	N/A
P00747	Non-breeding	HHVP8	24/11/2021	1	N/A	N/A
P00753	Non-breeding	HHVP12	24/11/2021	4	N/A	N/A
P00754	Non-breeding	HHVP15	24/11/2021	2	N/A	N/A
P00757	Non-breeding	HHVP16	24/11/2021	1	N/A	N/A
P00760	Non-breeding	HHVP11	24/11/2021	10	N/A	N/A
P00763	Non-breeding	HHVP21	24/11/2021	1	N/A	N/A
P00772	Non-breeding	HHVP5	25/01/2022	5	N/A	N/A
P00773	Non-breeding	HHVP6	25/01/2022	6	N/A	N/A
P00776	Non-breeding	HHVP7	25/01/2022	8	N/A	N/A
P00785	Non-breeding	HHVP9	25/01/2022	8	N/A	N/A
P00789	Non-breeding	HHVP18	25/01/2022	1	N/A	N/A
P00797	Non-breeding	HHVP4	28/02/2022	2	N/A	N/A
P00798	Non-breeding	HHVP5	28/02/2022	8	N/A	N/A
P00806	Non-breeding	HHVP6	28/02/2022	2	N/A	N/A
P00808	Non-breeding	HHVP8	28/02/2022	2	N/A	N/A
P00816	Non-breeding	HHVP12	28/02/2022	4	N/A	N/A
P00831	Non-breeding	HHVP5	29/03/2022	12	N/A	N/A
P00832	Non-breeding	HHVP7	29/03/2022	3	N/A	N/A
P00835	Non-breeding	HHVP8	29/03/2022	1	N/A	N/A
P00843	Non-breeding	HHVP9	29/03/2022	15	N/A	N/A
P00847	Non-breeding	HHVP10	29/03/2022	5	N/A	N/A
P00849	Non-breeding	HHVP12	29/03/2022	5	N/A	N/A
P00851	Non-breeding	HHVP15	29/03/2022	2	N/A	N/A
P06335	Non-breeding	HHVP3	17/10/2023	2	N/A	N/A
P06341	Non-breeding	HHVP4	22/10/2023	3	N/A	N/A
P06221	Non-breeding	HHVP3	19/11/2023	5	N/A	N/A
P06461	Non-breeding	HHVP3	07/12/2023	2	N/A	N/A
P05949	Non-breeding	HHVP3	12/02/2024	2	N/A	N/A
P06009	Non-breeding	HHVP3	07/03/2024	2	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P03964	Non-breeding	14/10/2022	2	N/A	N/A
P03981	Non-breeding	01/12/2022	2	N/A	N/A
P04018	Non-breeding	16/01/2023	2	N/A	N/A
P04028	Non-breeding	24/01/2023	2	N/A	N/A
P04032	Non-breeding	07/02/2023	4	N/A	N/A
P04035	Non-breeding	10/02/2023	1	N/A	N/A
P04049	Non-breeding	11/02/2023	7	N/A	N/A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23

*should be read with data in Appendix 8.3

0 1.5 3
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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Mute Swan
Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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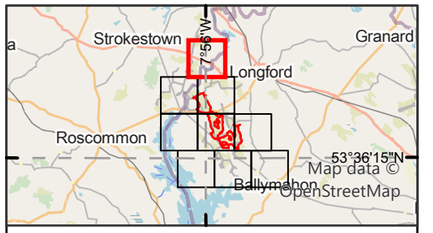

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Mute Swan Sheet 1 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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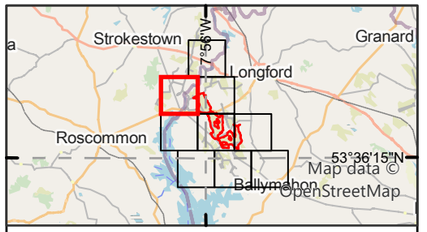
8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21

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0 0.5 1
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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Mute Swan
Sheet 2 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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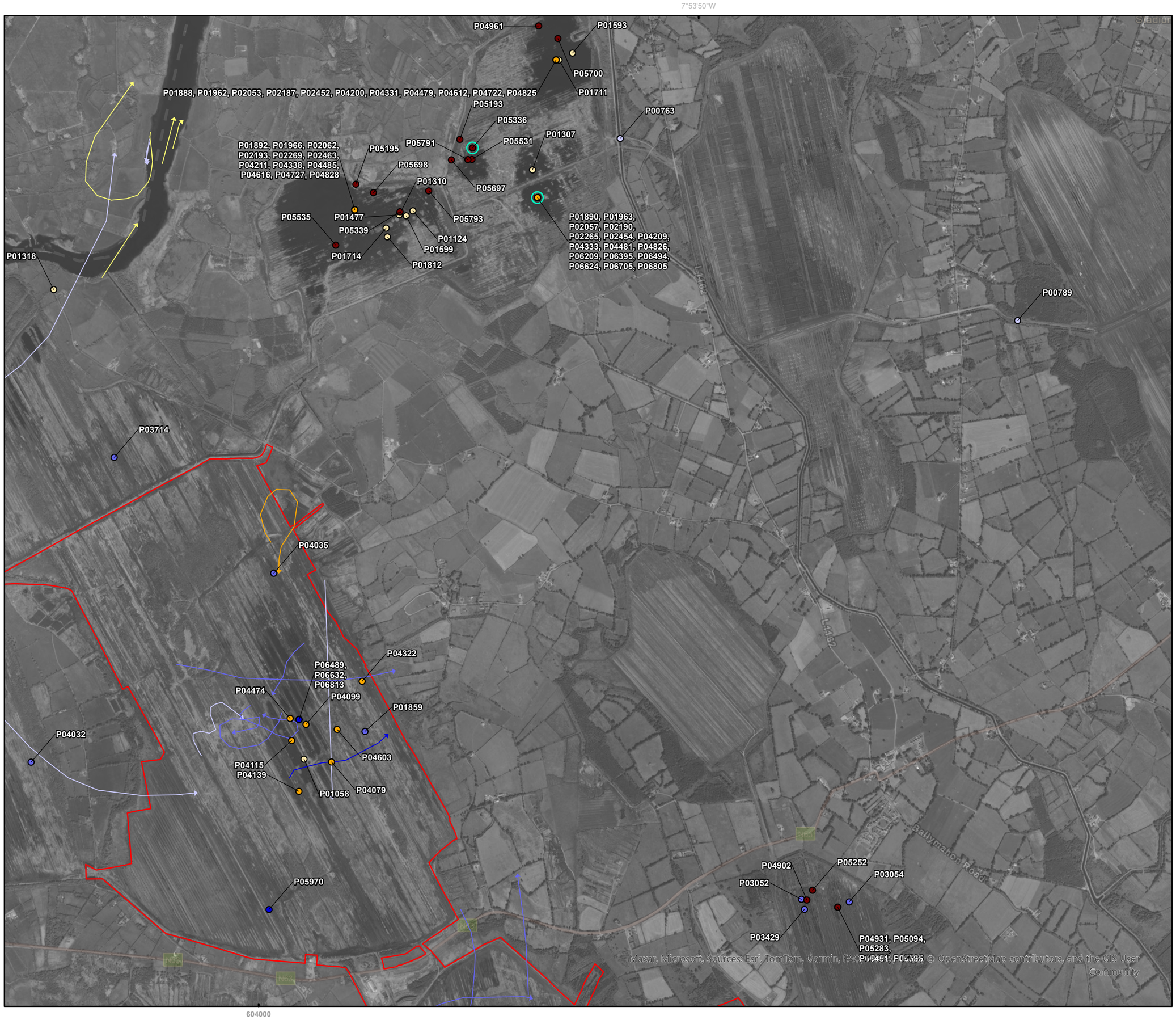

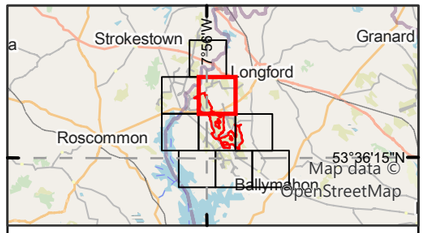

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-23

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0 0.5 1
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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Mute Swan
Sheet 3 of 8

Scale @ A3: 1:22,000

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Map Ref: 11399-044.ApX-SUM-MS-TOB-A

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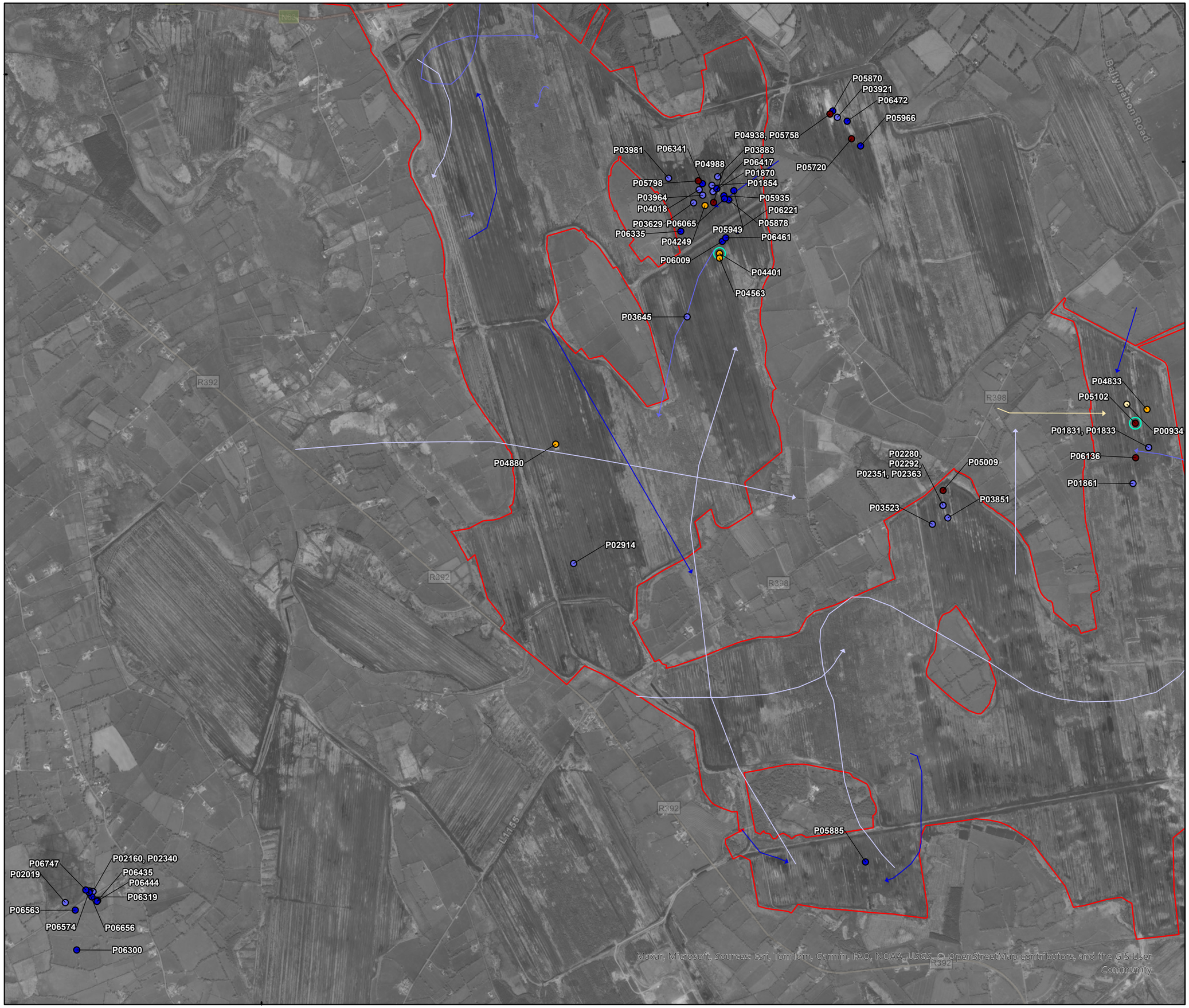
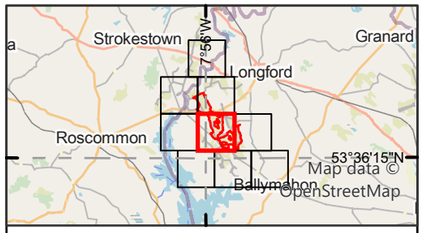
7°53'50"W

53°40'0"N

768000

604000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22

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0 0.5 1
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Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Mute Swan
Sheet 4 of 8

Scale @ A3: 1:22,000

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8°2'40"W

53°40'0"N

768000

P05352
P05808
P05804
P04049
P00263, P00401,
P00575, P00637,
P00736, P00773, P00806
P02180
P06640
P00353, P00418, P00472,
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P06435
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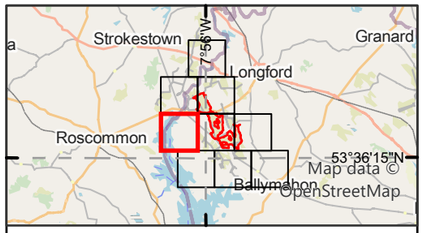
Rathcline Road
Rathcline Road
Knock
Rockwood
Curreen
Rathcline
R392
R392



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

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Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Mute Swan
Sheet 5 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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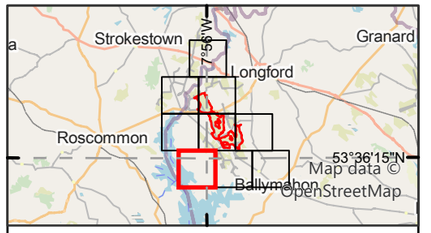

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-22

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Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Mute Swan
Sheet 6 of 8

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Prepared by:	Checked by:	Date:
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Map Ref: 11399-044.ApX-SUM-MS-TOB-A

Draft: A

7°53'50"W

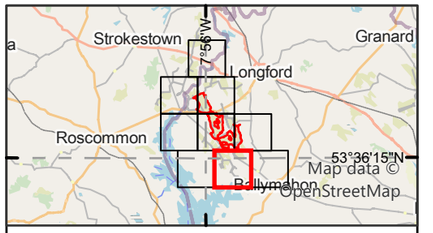
53°35'0"N

760000

P01012
P04028
P02130
P05905
P06665
P02133, P02313
P04836, P04838
P06720
P06637
P01707
P01821
P06456
P06311
P01486
P04956, P05124, P04284
P04652
P05313, P05483, P05629, P05781
P01937
P06268, P06306
P02128
P06756
P04411, P04525
P02384
P06565
P06567
P02307, P02378
P02166, P02346
P00245, P00317
P06766

R392
L5236
Estate Road
Fas Road
Derryadd Car Lough

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



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING\
2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE\
3. ENGINEER TO BE INFORMED OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES\
4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Mute Swan
Sheet 7 of 8

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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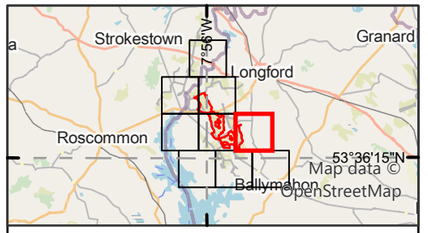
Draft: A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

NOTES

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Draft: A

Appendix 8.3rr NORTHERN LAPWING

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
VP3	04/05/2021	15:22	3	48	47	0	0	0	VP3
VP3	04/05/2021	17:45	2	27	0	0	0	0	VP3
VP4	05/05/2021	11:11	1	14	0	0	0	0	VP4
VP5	05/05/2021	17:17	1	3	0	0	0	0	VP5
VP5	05/05/2021	18:18	1	17	0	0	0	0	VP5
VP5	05/05/2021	19:13	1	13	0	0	0	0	VP5
VP5	06/05/2021	08:36	1	4	0	0	0	0	VP5
VP6	07/05/2021	13:27	1	45	0	0	0	0	VP6
VP3	02/06/2021	13:32	8	38	35	62	0	0	VP3
VP4	10/06/2021	14:07	1	27	0	0	0	0	VP4
VP4	10/06/2021	15:25	1	23	22	0	0	0	VP4
VP4	10/06/2021	17:21	1	34	0	0	0	0	VP4
VP4	10/06/2021	17:55	1	12	0	0	0	0	VP4
VP4	10/06/2021	19:06	1	25	0	0	0	0	VP4
VP5	16/06/2021	17:31	1	16	0	0	0	0	VP5
VP6	17/06/2021	13:10	1	86	0	0	0	0	VP6
VP10	24/06/2021	15:50	1	31	32	0	0	0	VP10
VP10	24/06/2021	16:09	2	36	0	0	0	0	VP10
VP10	24/06/2021	18:43	1	25	0	0	0	0	VP10
VP3	05/07/2021	16:53	1	13	0	0	0	0	VP3
VP1	06/07/2021	09:30	15	25	78	105	0	0	VP1
VP1	06/07/2021	11:03	2	36	0	0	0	0	VP1
VP1	06/07/2021	15:34	2	18	61	0	0	0	VP1
VP5	27/07/2021	11:00	26	9	41	231	0	0	VP5
VP5	27/07/2021	18:14	10	8	11	53	0	0	VP5
VP1	29/07/2021	12:22	2	12	10	15	0	0	VP1
VP10	11/08/2021	11:37	63	0	17	81	0	0	VP10
VP1	06/09/2021	09:28	4	27	0	0	0	0	VP1

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
VP1	24/09/2021	17:06	2	36	0	0	0	0	VP1
VP1	27/09/2021	08:33	2	12	33	0	0	0	VP1
VP1	01/10/2021	13:14	2	33	22	0	0	0	VP1
VP1	01/10/2021	08:12	2	12	41	0	0	0	VP1
VP4	02/10/2021	14:14	2	12	51	0	0	0	VP4
VP2	28/10/2021	10:24	8	61	0	0	0	0	VP2
VP2	28/10/2021	12:44	2	30	32	0	0	0	VP2
VP2	23/11/2021	11:06	60	42	0	0	0	0	VP2
VP8	24/11/2021	13:04	1	0	30	0	0	0	VP8
VP4	25/11/2021	11:40	33	26	120	0	0	0	VP4
VP1	01/12/2021	08:46	4	23	0	0	0	0	VP1
VP1	01/12/2021	08:50	32	25	7	0	0	0	VP1
VP1	01/12/2021	09:18	5	16	0	0	0	0	VP1
VP1	01/12/2021	09:20	25	19	7	0	0	0	VP1
VP1	01/12/2021	09:28	16	18	0	0	0	0	VP1
VP1	01/12/2021	09:31	63	110	10	0	0	0	VP1
VP1	01/12/2021	10:17	48	5	25	72	0	0	VP1
VP1	01/12/2021	11:40	90	0	0	58	0	0	VP1
VP1	01/12/2021	13:09	17	18	0	0	0	0	VP1
VP1	01/12/2021	13:11	3	8	2	0	0	0	VP1
VP1	01/12/2021	13:30	27	21	0	0	0	0	VP1
VP1	13/12/2021	09:42	110	5	33	272	0	0	VP1
VP2	14/12/2021	10:25	5	35	0	0	0	0	VP2
VP2	14/12/2021	13:41	6	0	60	0	0	0	VP2
VP11	28/12/2021	10:57	1	10	0	50	0	0	VP11
VP1	07/01/2022	09:35	33	0	10	0	0	0	VP1
VP1	07/01/2022	11:16	6	0	0	30	0	0	VP1
VP1	07/01/2022	15:47	3	10	10	0	0	0	VP1

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
VP2	17/01/2022	09:55	19	0	30	0	0	0	VP2
VP2	17/01/2022	03:23	3	0	30	0	0	0	VP2
VP1	01/02/2022	09:35	26	10	20	0	0	0	VP1
VP1	01/02/2022	09:57	60	0	40	40	0	0	VP1
VP1	01/02/2022	10:55	7	0	30	0	0	0	VP1
VP2	03/02/2022	10:56	25	0	0	40	0	0	VP2
VP2	03/02/2022	11:18	44	20	40	0	0	0	VP2
VP5	25/02/2022	12:58	12	0	60	0	0	0	VP5
VP6	25/02/2022	14:05	11	5	23	0	0	0	VP6
VP4	28/02/2022	09:40	3	0	30	0	0	0	VP4
VP4	28/02/2022	11:00	26	0	10	90	0	0	VP4
VP1	02/03/2022	10:11	6	5	0	0	0	0	VP1
VP1	02/03/2022	13:01	6	0	0	20	0	0	VP1
VP1	02/03/2022	13:44	18	0	25	0	0	0	VP1
VP2	07/03/2022	14:16	2	0	0	20	0	0	VP2
VP5	15/03/2022	10:39	1	0	0	10	0	0	VP5
VP5	15/03/2022	11:42	3	10	0	0	0	0	VP5
VP5	15/03/2022	13:23	1	0	15	0	0	0	VP5
VP3	16/03/2022	09:51	7	0	20	0	0	0	VP3
VP 4	15/04/2022	11:13	2	10	30	20	0	0	VP 4
VP10	12/05/2022	18:31	1	29	0	0	0	0	VP10
VP 4	27/06/2022	19:48	2	0	75	0	0	0	VP 4
VP10	07/07/2022	15:45	24	15	25	0	0	0	VP10
VP10	04/11/2022	14:25	21	0	0	30	0	0	VP10
VP1	14/11/2022	11:10	37	6	0	0	0	0	VP1
VP5	28/11/2022	10:36	1	0	0	8	0	0	VP5
VP10	01/12/2022	12:05	35	30	30	30	165	0	VP10
VP 1	16/12/2022	09:25	7	7	0	0	0	0	VP 1

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
VP1	16/12/2022	15:37	4	6	0	0	0	0	VP1
VP1	09/01/2023	14:25	50	6	30	0	0	0	VP1
VP10	09/01/2023	13:40	62	10	10	20	30	0	VP10
VP10	09/01/2023	14:20	62	10	10	30	230	0	VP10
VP1	06/02/2023	12:15	70	0	8	0	0	0	VP1
VP7	14/02/2023	15:25	35	5	10	0	0	0	VP7
VP7	14/02/2023	16:45	35	0	0	85	0	0	VP7
VP7	14/02/2023	17:15	65	0	0	155	0	0	VP7
VP7	08/03/2023	15:30	34	30	55	0	0	0	VP7
VP5	29/03/2023	12:27	1	12	0	0	0	0	VP5
VP7	05/06/2023	20:10	3	10	45	0	0	0	VP7
VP2	15/06/2023	19:48	2	0	10	40	0	0	VP2
VP5	26/06/2023	20:15	1	0	20	0	0	0	VP5
VP9	29/06/2023	08:11	5	0	40	0	0	0	VP9
VP4	06/07/2023	10:55	1	0	0	45	0	0	VP4
VP6	13/07/2023	15:06	4	20	175	0	0	0	VP6
VP8	24/07/2023	20:09	8	0	45	0	0	0	VP8
VP1	03/10/2023	11:15	1	18	0	0	0	0	VP1
VP1	07/11/2023	10:12	1	5	2	0	0	0	VP1
VP4	12/11/2023	11:40	85	0	130	0	0	0	VP4
VP9	22/11/2023	15:46	12	10	20	25	0	0	VP9
VP1	11/12/2023	11:11	1	3	0	0	0	0	VP1
VP1	11/12/2023	11:19	1	1	0	0	0	0	VP1
VP4	06/01/2024	12:09	5	8	0	0	0	0	VP4
VP1	16/01/2024	15:21	2	11	0	0	0	0	VP1
VP7	06/03/2024	13:30	1	0	30	85	0	0	VP7
VP6	08/05/2024	06:35	4	65	85	0	0	0	VP6
VP6	08/05/2024	07:05	2	135	120	0	0	0	VP6

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
VP6	08/05/2024	07:30	4	120	100	0	0	0	VP6
VP6	08/05/2024	08:55	4	75	0	0	0	0	VP6
VP5	28/05/2024	11:13	2	2	0	0	0	0	VP5
VP5	28/05/2024	15:21	1	3	0	0	0	0	VP5
VP6	06/06/2024	11:40	1	30	60	0	0	0	VP6

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00951	Breeding	VP10	09/06/2022	12:55	2	PB4	Flushed	H	Possible
P00952	Breeding	VP9	09/06/2022	15:30	2	PB4	Flushed	A	Probable
P00957	Breeding	VP10	07/07/2022	10:55	24	PB4	Roosting/ Foraging.	FL	Confirmed
P00961	Breeding	VP10	07/07/2022	10:55	1	PB4	Roosting	N/A	N/A
P00969	Breeding	VP4	27/07/2022	16:11	1	pb4	In suitable breeding habitat	H	Possible
P01862	Non-breeding	VP10	02/02/2023	08:40	28	PB4	Roosting.	N/A	N/A
P01868	Non-breeding	VP7	14/02/2023	11:25	9	PB4	Roosting.	N/A	N/A
P01884	Non-breeding	VP7	08/03/2023	13:20	5	PB4	Display	N/A	N/A
P04104	Breeding	VP4	24/05/2023	07:55	1	N/A	Display	D	Probable
P04117	Breeding	VP4	08/06/2023	17:10	1	N/A	Roosting	N/A	N/A
P04138	Breeding	VP4	01/08/2023	10:45	1	N/A	Flushed	N/A	N/A
P05859	Non-breeding	VP10	03/10/2023	07:10	32	N/A	Roosting	N/A	N/A
P05887	Non-breeding	VP6	04/03/2024	09:05	1	N/A	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P00014	Breeding	N/A	19/05/2021	2	N/A	S	Possible
P00020	Breeding	N/A	19/05/2021	2	N/A	H	Possible
P00867	Breeding	53.6665599, -7.8859379	19/05/2021	2	singing/displaying. Occ terr	D	Probable
P00873	Breeding	53.6932033, -7.9679042	19/05/2021	2	occ terr	H	Possible
P00004	Breeding	N/A	21/05/2021	2	N/A	H	Possible
P00005	Breeding	N/A	21/05/2021	8	N/A	H	Possible
P00006	Breeding	N/A	21/05/2021	2	N/A	H	Possible
P00857	Breeding	53.6577184, -7.8971227	21/05/2021	2	Occ terr	H	Possible
P00858	Breeding	53.6577184, -7.8971227	21/05/2021	8	Occ terr	H	Possible
P00859	Breeding	53.6577184, -7.8971227	21/05/2021	2	Occ terr	H	Possible
P00023	Breeding	N/A	01/06/2021	2	N/A	H	Possible
P00876	Breeding	53.6932033, -7.9679042	01/06/2021	2	occ terr	H	Possible
P00034	Breeding	N/A	03/06/2021	10	N/A	H	Possible
P00036	Breeding	N/A	03/06/2021	2	N/A	H	Possible
P00887	Breeding	53.6577184, -7.8971227	03/06/2021	10	occ terr	H	Possible
P00889	Breeding	53.6665599, -7.8859379	03/06/2021	2	Occ terr	H	Possible
P00040	Breeding	N/A	16/06/2021	2	Confirmed. Ad with recently fledged young.	FL	Confirmed
P00893	Breeding	53.6932033, -7.9679042	16/06/2021	2	Confirmed. Ad with recently fledged young.	FL	Confirmed
P00042	Breeding	N/A	17/06/2021	14	Confirmed. Ad's with at least 2 recently fledged young.	FL	Confirmed
P00043	Breeding	N/A	17/06/2021	2	occ terr	H	Possible

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P00895	Breeding	53.6577184, -7.8971227	17/06/2021	14	Confirmed. Ad's with at least 2 recently fledged young.	FL	Confirmed
P00896	Breeding	53.6577184, -7.8971227	17/06/2021	2	occ terr	H	Possible
P00049	Breeding	N/A	18/06/2021	2	Occ terr	H	Possible
P00902	Breeding	53.6665599, -7.8859379	18/06/2021	2	Occ terr	H	Possible
P01113	Breeding	New site	22/04/2022	2	Suitable nesting habitat, flying/call display over bog.	D	Probable
P01122	Breeding	New site	22/04/2022	3	Suitable nesting habitat, flying/call display over bog.	N/A	N/A
P01295	Breeding	Corlea Wetlands	05/05/2022	1	Suitable nesting habitat	H	Possible
P01305	Breeding	Rhynmount Bog.	10/05/2022	4	Adult seen incubating. 3 others mobbing HC	ON	Confirmed
P01309	Breeding	Rhynmount Bog.	10/05/2022	3	Flushed and alarm calling.	A	Probable
P01313	Breeding	Rhynmount Bog.	10/05/2022	4	Flushed and alarm calling.	A	Probable
P01332	Breeding	Ref: 4	12/05/2022	1	Foraging on field.	N/A	N/A
P01472	Breeding	Rhynmount Bog.	14/06/2022	1	Flying over.	F	Non-Breeding
P01476	Breeding	Rhynmount Bog.	14/06/2022	3	Grounded on small island.	H	Possible
P01488	Breeding	Corlea Wetlands	20/06/2022	1	Alarm call heard, not seen.	A	Probable
P01566	Breeding	Site NW of T13	06/07/2022	2	Suitable nesting habitat, flushed and alarm calling.	A	Probable

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01568	Breeding	Site NW of T13	06/07/2022	3	Suitable nesting habitat, flushed and alarm calling.	A	Probable
P01579	Breeding	ref: 4	06/07/2022	1	Foraging around the wetland.	N/A	N/A
P01588	Breeding	ref: 8	11/07/2022	1	Foraging on grass field.	N/A	N/A
P01692	Breeding	ref: 8	10/08/2022	1	Foraging around the shoreline.	N/A	N/A
P01797	Breeding	Ref No: 8	13/09/2022	25	Roosting around the shoreline.	N/A	N/A
P01818	Breeding	Rhynmount Bog.	14/09/2022	1	Calling from cover, couldn't see the bird probably more than 1 present.	N/A	N/A
P01904	Non-breeding	Ref No 8	13/10/2022	75	Roosting around shore-line.	N/A	N/A
P01940	Non-breeding	iwebs 1234	31/10/2022	57	Mostly on 'island' but sometimes flying and then returning to roost	N/A	N/A
P02012	Non-breeding	Site 4	06/11/2022	100	In 3 groups 40/30/30. The largest group on 'island' in middle of turlough	N/A	N/A
P02024	Non-breeding	Near site 4, LeTergullion	06/11/2022	23	Roosting (WN,SV, MA, L)	N/A	N/A
P01948	Non-breeding	Ref No 8	08/11/2022	85	Roosting around shore-line.	N/A	N/A
P01959	Non-breeding	Ref No 5	08/11/2022	7	Roosting around shore-line of island.	N/A	N/A
P01964	Non-breeding	Rhynmount Bog	16/11/2022	5	Flyover	N/A	N/A
P01988	Non-breeding	Ref No 18	17/11/2022	210	Roosting on flodded field.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02004	Non-breeding	Site 23	27/11/2022	4	Sometimes just loafing around, preening, standing but also feeding in muddy wet grass	N/A	N/A
P02005	Non-breeding	Site 4	27/11/2022	43	10 individuals on ground but joined by 33 more flying in from the east. The letter landed at same location, roosting, feeding and loafing.	N/A	N/A
P02031	Non-breeding	Ref No 8	07/12/2022	180	Roosting around shore-line.	N/A	N/A
P02038	Non-breeding	Ref No 10	07/12/2022	25	Roosting on flooded field.	N/A	N/A
P02048	Non-breeding	Ref No 5	07/12/2022	5	Roosting on island.	N/A	N/A
P02087	Non-breeding	Ref No 17	12/12/2022	45	Roosting on flooded field.	N/A	N/A
P02096	Non-breeding	Fermoyle, Nr site 4 turlough	17/12/2022	3	Flying	N/A	N/A
P02101	Non-breeding	Site 4, Turlough at LeTergullion	17/12/2022	2	Flew in from the east with CU	N/A	N/A
P02103	Non-breeding	Site 23 Ballyduff, Stewart Family farm	17/12/2022	2	One flew over head NE, the other in field feeding	N/A	N/A
P02113	Non-breeding	Site 4, Turlough at LeTergullion	27/12/2022	25	Roosting at side of turlough	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02131	Non-breeding	Site 23, Ballyduff, Stewart Family farm	27/12/2022	60	Most roosting. A few feeding and moving about	N/A	N/A
P02170	Non-breeding	Ref No 8	10/01/2023	35	Foraging around shore-line.	N/A	N/A
P02132	Non-breeding	Site 23 Ballyduff	15/01/2023	15	Flying, heading South	N/A	N/A
P02312	Non-breeding	Site 23 Ballyduff	15/01/2023	15	Flying, heading South	N/A	N/A
P02209	Non-breeding	Ref No 17	23/01/2023	72	Roosting on flooded field.	N/A	N/A
P02147	Non-breeding	Site 4, Turlough	29/01/2023	120	Circling overhead until eventually all landing onwestern bank	N/A	N/A
P02327	Non-breeding	Site 4, Turlough	29/01/2023	120	Circling overhead until eventually all landing onwestern bank	N/A	N/A
P02226	Non-breeding	Ref No 8	03/02/2023	94	Roosting around shore-line.	N/A	N/A
P02229	Non-breeding	Ref No 10	03/02/2023	80	Foraging on flooded field.	N/A	N/A
P02268	Non-breeding	Rhynmount Bog VP2	16/02/2023	1	Call/ flight display	N/A	N/A
P02299	Non-breeding	East of Site 4, Newpark	25/02/2023	18	Flew in circled then landed beside water	N/A	N/A
P02370	Non-breeding	East of Site 4, Newpark	25/02/2023	18	Flew in circled then landed beside water	N/A	N/A
P02443	Non-breeding	Ref No 5	03/03/2023	55	Roosting on island.	N/A	N/A
P02458	Non-breeding	Rhynmount Bog VP2	16/03/2023	2	Roosting	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04202	Breeding	Rhymount VP2	14/04/2023	4	Alarm calling/ flight display.	A	Probable
P04213	Breeding	Onsite	14/04/2023	5	Alarm calling/ flight display.	A	Probable
P04214	Breeding	Onsite	14/04/2023	4	Alarm calling/ flight display.	A	Probable
P04286	Breeding	Turlough	27/04/2023	2	Pair of Lapwing in suitable habitat, alarm calling, probably breeding	P	Probable
P04323	Breeding	Onsite	03/05/2023	1	Alarm call flight display	A	Probable
P04324	Breeding	Onsite	03/05/2023	2	Alarm call flight display	A	Probable
P04328	Breeding	Onsite	03/05/2023	1	Alarm call flight display	A	Probable
P04332	Breeding	Rhynmount VP2	03/05/2023	5	1 bird on nest	ON	Confirmed
P04354	Breeding	Derrycashel Bog	03/05/2023	1	Alarm call flight display	A	Probable
P04429	Breeding	5 KM radius	26/05/2023	1	Lapwing alarm calling, probably breeding	A	Probable
P04468	Breeding	Onsite	02/06/2023	6	Alarm calling	A	Probable
P04473	Breeding	Onsite	02/06/2023	4	Alarm calling	A	Probable
P04480	Breeding	Rhynmount VP2	02/06/2023	4	Foraging	N/A	N/A
P04491	Breeding	Derrycashel Bog	02/06/2023	1	Alarm calling	A	Probable
P04524	Breeding	5 KM radius	09/06/2023	2	Pair of Lapwing alarm calling.	A	Probable
P04606	Breeding	Onsite	07/07/2023	16	Roosting, fixed flock of adults and juvs.	H	Possible
P04631	Breeding	Ref No: 8	07/07/2023	21	Roosting	N/A	N/A
P04723	Breeding	Rhynmount VP2	03/08/2023	1	Roosting	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06376	Non-breeding	Ref No: 8	10/10/2023	17	Roosting	N/A	N/A
P06397	Non-breeding	Rhynmount	11/10/2023	3	Roosting	N/A	N/A
P06447	Non-breeding	4	14/10/2023	10	10 Lapwing on turlough	N/A	N/A
P06189	Non-breeding	Ref No: 8	08/11/2023	45	Roosting	N/A	N/A
P06215	Non-breeding	Grass field	13/11/2023	15	Roosting	N/A	N/A
P06219	Non-breeding	Onsite	13/11/2023	48	Roosting	N/A	N/A
P06299	Non-breeding	4	23/11/2023	15	15 Lapwing at edge of turlough	N/A	N/A
P06315	Non-breeding	N/A	27/11/2023	2	2 Lapwing flying over.	N/A	N/A
P06327	Non-breeding	4	27/11/2023	70	70 Lapwing on turlough	N/A	N/A
P06558	Non-breeding	4	06/12/2023	2	2 Lapwing on Turlough	N/A	N/A
P06564	Non-breeding	4	06/12/2023	2	2 Lapwing flying over	N/A	N/A
P06518	Non-breeding	Ref No: 17	11/12/2023	165	Roosting	N/A	N/A
P06599	Non-breeding	Ref No: 8	05/01/2024	72	N/A	N/A	N/A
P06615	Non-breeding	Ref No: 13	12/01/2024	1	N/A	N/A	N/A
P06621	Non-breeding	Ref No: 17	12/01/2024	6	N/A	N/A	N/A
P06684	Non-breeding	Ref No: 8	06/02/2024	9	N/A	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06709	Non-breeding	Rhynmount	14/02/2024	1	N/A	N/A	N/A
P06739	Non-breeding	Southern half of site	19/02/2024	55	55 Lapwing at edge of Turlough	N/A	N/A
P06754	Non-breeding	Southern half of site	21/02/2024	75	Flying west	N/A	N/A
P06760	Non-breeding	Southern half of site	23/02/2024	12	12 Lapwing flying over.	N/A	N/A
P06806	Non-breeding	Rhynmount	08/03/2024	4	Foraging	N/A	N/A
P04935	Breeding	Ref No:2	08/04/2024	3	Flight/ Alarm Call display, on suitable breeding ground	A	Probable
P04946	Breeding	Ref No:5	08/04/2024	2	Flight/ Alarm Call display, on suitable breeding ground	A	Probable
P04949	Breeding	Ref No:7	08/04/2024	3	Flight/ Alarm Call display, on suitable breeding ground	A	Probable
P04953	Breeding	Ref No:9	15/04/2024	2	Flight display, on suitable breeding ground	D	Probable
P05093	Breeding	Ref No:1	10/05/2024	1	Foraging	N/A	N/A
P05099	Breeding	Ref No:3	10/05/2024	1	Alarm Call display, on suitable breeding ground	A	Probable
P05108	Breeding	Ref No:7	10/05/2024	4	Alarm Call display, on suitable breeding ground	A	Probable
P05111	Breeding	Ref No:9	13/05/2024	3	Flight/ Alarm Call display, on suitable breeding ground	A	Probable

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05116	Breeding	Ref No:11	13/05/2024	3	Flight/ Alarm Call display, on suitable breeding ground	A	Probable
P05158	Breeding	2Km Buffer	14/05/2024	1	Lapwing circling and calling	S	Possible
P05164	Breeding	2Km Buffer	14/05/2024	2	2 Lapwing circling/alarm calling	A	Probable
P05165	Breeding	2Km Buffer	14/05/2024	2	2 Lapwing circling/alarm calling	A	Probable
P05280	Breeding	Ref No:1	07/06/2024	2	Flight/ Alarm Call display, on suitable breeding ground	A	Probable
P05287	Breeding	Ref No:2	07/06/2024	2	Flight/ Alarm Call display, on suitable breeding ground	A	Probable
P05289	Breeding	Ref No:3	07/06/2024	2	Alarm Call display, on suitable breeding ground	A	Probable
P05297	Breeding	Ref No:7	07/06/2024	2	Flight/ Alarm Call display, on suitable breeding ground	A	Probable
P05302	Breeding	Ref No:9	11/06/2024	2	Flight/ Alarm Call display, on suitable breeding ground	A	Probable
P05312	Breeding	Ref No:12	11/06/2024	2	Foraging adults.	N/A	N/A
P05326	Breeding	2km buffer	17/06/2024	2	2 Lapwing circling and alarm calling	A	Probable
P05328	Breeding	2km buffer	17/06/2024	1	Lapwing took flight from ground, alarm calling	A	Probable
P05333	Breeding	2km buffer	17/06/2024	2	2 Lapwing circling and alarm calling	A	Probable

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P05378	Breeding	2KM buffer	24/06/2024	1	Lapwing took flight from ground mobbing a hooded crow.	A	Probable
P05453	Breeding	Ref No:1	03/07/2024	4	Roosting.	N/A	N/A
P05459	Breeding	Ref No:2	03/07/2024	2	Alarm Call display, on suitable breeding ground	A	Probable
P05472	Breeding	Ref No:9	05/07/2024	2	Alarm Call display, on suitable breeding ground	A	Probable
P05544	Breeding	2KM Buffer	30/07/2024	10	10 Lapwing took flight from wetland, 4 juvenilles.	H	Possible
P05599	Breeding	Ref No:2	08/08/2024	4	Foraging	N/A	N/A
P05752	Breeding	Ref No:1	02/09/2024	12	Roosting Adult/ Juv.	N/A	N/A
P05755	Breeding	Ref No:2	02/09/2024	2	Foraging adults	N/A	N/A
P05774	Breeding	Ref No:10	06/09/2024	2	Roosting.	N/A	N/A
P05782	Breeding	Ref No:12	06/09/2024	4	Roosting.	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00076	Breeding	T5	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00080	Breeding	T9	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00084	Breeding	T10	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00087	Breeding	T10	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00088	Breeding	T10	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00089	Breeding	T10	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00091	Breeding	T10	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00096	Breeding	T10	12/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00098	Breeding	T11	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00100	Breeding	T11	14/05/2021	N/A	1	N/A	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00103	Breeding	T11	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00107	Breeding	T11	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00109	Breeding	T11	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00125	Breeding	T20	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00127	Breeding	T20	14/05/2021	N/A	1	N/A	N/A	N/A	N/A
P00152	Breeding	T3	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00174	Breeding	T5	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00180	Breeding	T9	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00182	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00184	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00186	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00196	Breeding	T10	11/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00202	Breeding	T11	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00204	Breeding	T11	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00206	Breeding	T11	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00211	Breeding	T11	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00215	Breeding	T11	12/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00238	Breeding	T20	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P00242	Breeding	T20	13/06/2021	N/A	1	N/A	N/A	N/A	N/A
P01151	Breeding	T4	12/04/2022	09:52	2	pb4	P,H	A	Probable
P01152	Breeding	T4	12/04/2022	09:52	2	pb4	P,H	A	Probable
P01167	Breeding	T5	13/04/2022	10:20	2	pb4	p	P	Probable
P01037	Breeding	T11	20/04/2022	N/A	3	PB4	Nest containing eggs	NE	Confirmed
P01040	Breeding	T20	20/04/2022	N/A	2	PB4	Courtship and display	D	Probable
P01059	Breeding	T10	22/04/2022	N/A	8	PB4	Courtship and display	D	Probable
P01060	Breeding	T10	22/04/2022	N/A	2	PB4	Courtship and display	D	Probable
P01237	Breeding	T17	11/05/2022	N/A	1	PB4	Foraging.	N/A	N/A
P01243	Breeding	T20	11/05/2022	N/A	4	PB4	Flushed.	A	Probable
P01249	Breeding	T11	12/05/2022	N/A	5	PB4	Flushed.	A	Probable
P01263	Breeding	T10	13/05/2022	N/A	2	PB4	Flushed.	N/A	N/A
P01265	Breeding	T10	13/05/2022	N/A	4	PB4	Display.	D	Probable
P01266	Breeding	T10	13/05/2022	N/A	2	PB4	Display.	D	Probable
P01179	Breeding	T5	17/05/2022	07:29	2	pb4	A	A	Probable
P01180	Breeding	T4	17/05/2022	07:55	2	pb4	A	A	Probable

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01181	Breeding	T4	17/05/2022	08:00	2	pb4	A	A	Probable
P01399	Breeding	T20	09/06/2022	N/A	1	PB4	Flushed.	A	Probable
P01402	Breeding	T20	09/06/2022	N/A	2	PB4	Flushed.	A	Probable
P01408	Breeding	T11	10/06/2022	N/A	6	PB4	Flushed.	D	Probable
P01428	Breeding	T10	14/06/2022	N/A	2	PB4	Alarm calling	A	Probable
P01430	Breeding	T10	14/06/2022	N/A	1	PB4	Flushed.	A	Probable
P01449	Breeding	T18	20/06/2022	N/A	1	PB4	Alarm calling	A	Probable
P01514	Breeding	T11	07/07/2022	N/A	2	PB4	Alarm call	A	Probable
P01520	Breeding	T11	07/07/2022	N/A	33	PB4	Flushed	H	Possible
P01623	Breeding	T4	08/07/2022	N/A	2	pb4	N/A	A	Probable
P01625	Breeding	T4	08/07/2022	N/A	1	pb4	N/A	A	Probable
P01626	Breeding	T5	08/07/2022	N/A	1	pb4	N/A	A	Probable
P01537	Breeding	T10	11/07/2022	N/A	2	PB4	Alarm call	DD	Confirmed
P01542	Breeding	T10	11/07/2022	N/A	18	PB4	Alarm call	A	Probable
P01672	Breeding	T10	10/08/2022	N/A	10	PB4	Flushed	N/A	N/A
P01674	Breeding	T10	10/08/2022	N/A	7	PB4	Flushed	N/A	N/A
P01675	Breeding	T10	10/08/2022	N/A	48	PB4	Flushed	N/A	N/A
P02633	Non-breeding	T13	06/10/2022	11:00	1	PB4	Circling.	N/A	N/A
P03135	Non-breeding	T7	12/12/2022	N/A	23	WS1	Flying	N/A	N/A
P03624	Non-breeding	T11	15/02/2023	08:30	34	PB4	Flushed	N/A	N/A
P03709	Non-breeding	T4	05/03/2023	N/A	80	PB4	Flying, On ground	N/A	N/A
P03816	Non-breeding	T13	07/03/2023	10:25	3	PB4	Foraging	N/A	N/A
P03882	Non-breeding	T11	16/03/2023	09:05	12	PB4	Display/ Roosting	N/A	N/A
P03902	Non-breeding	T12	16/03/2023	10:30	4	PB4	Displaying.	N/A	N/A
P03920	Non-breeding	T20	20/03/2023	09:40	3	PB4	Displaying.	N/A	N/A
P04226	Breeding	T4	05/04/2023	14:50	2	PB4	N/A	A	Probable

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04246	Breeding	T11	13/04/2023	16:30	4	PB4	N/A	A	Probable
P04264	Breeding	T12	25/04/2023	12:45	2	PB4	N/A	P	Probable
P04267	Breeding	T12	25/04/2023	13:50	4	PB4	N/A	D	Probable
P04290	Breeding	T19	27/04/2023	12:10	2	PB4	N/A	A	Probable
P04293	Breeding	T17	28/04/2023	09:18	2	PB4	N/A	A	Probable
P04389	Breeding	T10	23/05/2023	14:05	2	PB4	N/A	A	Probable
P04298	Breeding	T4	24/05/2023	08:20	4	PB4	N/A	D	Probable
P04310	Breeding	T5	24/05/2023	09:45	2	PB4	N/A	D	Probable
P04315	Breeding	T5	24/05/2023	10:05	2	PB4	N/A	N/A	N/A
P04400	Breeding	T12	25/05/2023	14:45	2	PB4	N/A	A	Probable
P04402	Breeding	T12	25/05/2023	14:50	2	PB4	N/A	A	Probable
P04407	Breeding	T12	25/05/2023	15:12	2	PB4	N/A	P	Probable
P04442	Breeding	T13	30/05/2023	11:30	1	PB4	N/A	A	Probable
P04534	Breeding	T13	15/06/2023	15:45	1	PB4	N/A	H	Possible
P04536	Breeding	T13	15/06/2023	15:53	1	PB4	N/A	A	Probable
P04455	Breeding	T4	21/06/2023	15:30	2	PB4	N/A	A	Probable
P04461	Breeding	T5	21/06/2023	17:20	1	PB4	N/A	A	Probable
P04551	Breeding	T10	26/06/2023	16:32	1	PB4	N/A	F	Non-Breeding
P04555	Breeding	T18	27/06/2023	12:02	3	PB4	N/A	FL	Confirmed
P04562	Breeding	T12	28/06/2023	10:40	4	PB4	N/A	A	Probable
P04572	Breeding	T17	29/06/2023	11:50	4	PB4	N/A	A	Probable
P04575	Breeding	T4	05/07/2023	12:35	1	PB4	N/A	N/A	N/A
P04578	Breeding	T4	05/07/2023	12:45	1	PB4	N/A	A	Probable
P04657	Breeding	T3	20/07/2023	11:12	8	GS4	N/A	H	Possible
P04660	Breeding	T10	21/07/2023	14:20	2	PB4	N/A	A	Probable
P04667	Breeding	T11	25/07/2023	08:22	4	PB4	N/A	H	Possible
P04675	Breeding	T7	28/07/2023	10:42	16	PB4	N/A	H	Possible
P04679	Breeding	T13	28/07/2023	14:45	2	PB4	N/A	N/A	N/A
P04685	Breeding	T17	31/07/2023	10:56	5	PB4	N/A	H	Possible
P06428	Non-breeding	T5	19/10/2023	09:03	1	PB4	Roosting	N/A	N/A
P06164	Non-breeding	T20	06/11/2023	14:05	4	PB4	Foraging	N/A	N/A

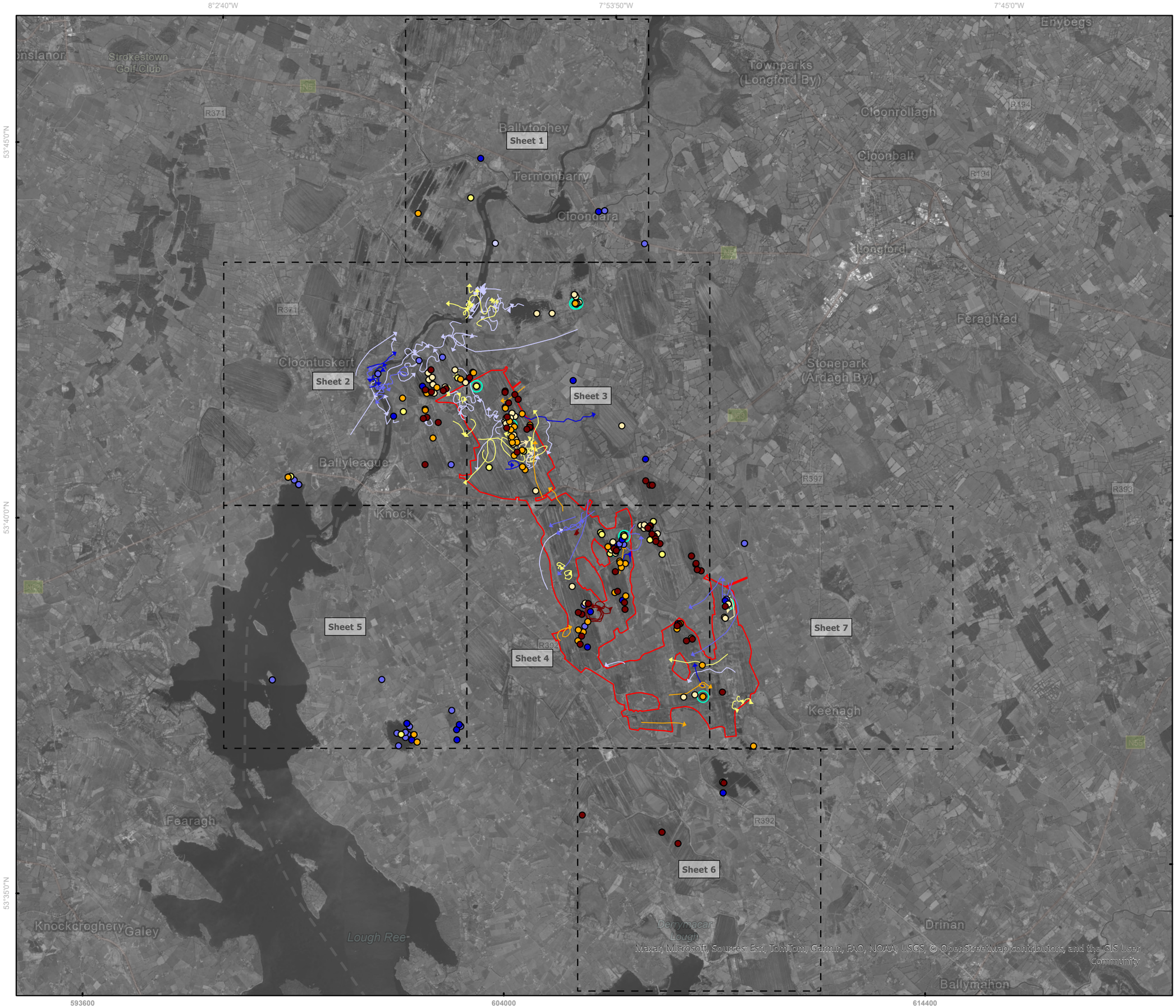
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P06167	Non-breeding	T3	08/11/2023	10:35	5	PB4	Flyover	N/A	N/A
P06261	Non-breeding	T4	27/11/2023	15:25	24	PB4	Roosting	N/A	N/A
P06530	Non-breeding	T4	19/12/2023	15:22	33	PB4	Roosting	N/A	N/A
P06057	Non-breeding	T12	05/03/2024	11:54	3	PB4	N/A	N/A	N/A
P06085	Non-breeding	T13	06/03/2024	12:41	2	PB4	N/A	N/A	N/A
P04892	Breeding	T20	02/04/2024	16:35	3	PB4	N/A	A	Probable
P04896	Breeding	T20	02/04/2024	16:45	2	PB4	N/A	A	Probable
P04899	Breeding	T20	02/04/2024	17:20	1	PB4	N/A	N/A	N/A
P04995	Breeding	Transect 11	08/04/2024	15:05	1	pb4	N/A	N/A	N/A
P04997	Breeding	Transect 12	08/04/2024	15:58	2	pb4	N/A	P	Probable
P04998	Breeding	Transect 12	08/04/2024	16:08	2	pb4	N/A	P	Probable
P05005	Breeding	Transect 13	09/04/2024	10:21	1	pb4	N/A	H	Possible
P05024	Breeding	Transect 18	10/04/2024	11:28	2	pb4	N/A	P	Probable
P05042	Breeding	Transect 10	10/04/2024	16:18	1	pb4	N/A	N/A	N/A
P04925	Breeding	T5	15/04/2024	10:50	2	PB4	N/A	A	Probable
P04928	Breeding	T5	15/04/2024	11:40	1	PB4	N/A	A	Probable
P05051	Breeding	T21	07/05/2024	08:20	1	PB4	N/A	A	Probable
P05053	Breeding	T20	07/05/2024	09:30	1	PB4	N/A	H	Possible
P05070	Breeding	T4	10/05/2024	07:40	3	PB4	N/A	D	Probable
P05071	Breeding	T4	10/05/2024	07:55	1	PB4	N/A	D	Probable
P05076	Breeding	T4	10/05/2024	08:15	1	PB4	N/A	D	Probable
P05085	Breeding	T5	10/05/2024	11:05	2	PB4	N/A	N/A	N/A
P05138	Breeding	T17	10/05/2024	14:08	2	pb4	N/A	P	Probable

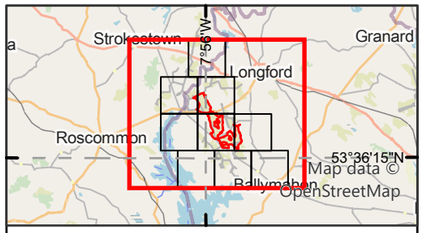
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05139	Breeding	T17	10/05/2024	14:21	2	pb4	N/A	P	Probable
P05145	Breeding	T11	11/05/2024	16:03	2	pb4	N/A	A	Probable
P05172	Breeding	T12	14/05/2024	16:43	1	pb4	N/A	N/A	N/A
P05174	Breeding	T12	14/05/2024	17:06	2	pb4	N/A	S	Possible
P05201	Breeding	T10	16/05/2024	10:29	3	PB4	N/A	S	Possible
P05209	Breeding	T13	16/05/2024	10:51	2	PB4	N/A	S	Possible
P05213	Breeding	T13	16/05/2024	11:12	1	PB4	N/A	S	Possible
P05235	Breeding	T21	05/06/2024	10:45	2	PB4	N/A	A	Probable
P05239	Breeding	T20	05/06/2024	11:40	2	PB4	N/A	A	Probable
P05245	Breeding	T20	05/06/2024	12:30	2	PB4	N/A	A	Probable
P05362	Breeding	T13	20/06/2024	10:46	2	PB4	N/A	A	Probable
P05370	Breeding	T17	21/06/2024	10:52	1	PB4	N/A	A	Probable
P05396	Breeding	T10	25/06/2024	12:10	20	PB4	N/A	N/A	N/A
P05406	Breeding	T7	25/06/2024	16:39	1	PB4	N/A	A	Probable
P05414	Breeding	T21	01/07/2024	10:55	2	PB4	N/A	D	Probable
P05417	Breeding	T20	01/07/2024	11:55	2	PB4	N/A	D	Probable
P05420	Breeding	T20	01/07/2024	12:10	22	PB4	N/A	H	Possible
P05508	Breeding	T17	23/07/2024	12:46	1	PB4	N/A	N/A	N/A
P05541	Breeding	T7	29/07/2024	14:24	2	PB4	N/A	N/A	N/A
P05561	Breeding	T21	01/08/2024	10:35	1	PB4	N/A	N/A	N/A
P05564	Breeding	T20	01/08/2024	11:20	2	PB4	N/A	N/A	N/A
P05567	Breeding	T20	01/08/2024	11:30	14	PB4	N/A	N/A	N/A
P05746	Breeding	T5	06/09/2024	10:30	1	PB4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00300	Breeding	HHVP12	13/05/2021	1	N/A	N/A
P00390	Breeding	HHVP4	17/07/2021	1	N/A	N/A
P00407	Breeding	HHVP8	17/07/2021	16	N/A	N/A
P00459	Breeding	HHVP8	05/08/2021	15	N/A	N/A
P00517	Breeding	HHVP8	14/08/2021	38	N/A	N/A
P00579	Breeding	HHVP8	09/09/2021	18	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00628	Breeding	HHVP4	30/09/2021	1	N/A	N/A
P00642	Breeding	HHVP8	30/09/2021	44	N/A	N/A
P00693	Non-breeding	HHVP8	26/10/2021	49	N/A	N/A
P00723	Non-breeding	HHVP4	24/11/2021	130	N/A	N/A
P00752	Non-breeding	HHVP12	24/11/2021	12	N/A	N/A
P00761	Non-breeding	HHVP11	24/11/2021	260	N/A	N/A
P00794	Non-breeding	HHVP4	28/02/2022	25	N/A	N/A
P01620	Breeding	RVP1	05/07/2022	13	F	Non-Breeding
P05951	Non-breeding	HHVP3	12/02/2024	13	N/A	N/A
P05957	Non-breeding	HHVP4	18/02/2024	14	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P03964	Non-breeding	14/10/2022	2	N/A	N/A
P03981	Non-breeding	01/12/2022	2	N/A	N/A
P04018	Non-breeding	16/01/2023	2	N/A	N/A
P04028	Non-breeding	24/01/2023	2	N/A	N/A
P04032	Non-breeding	07/02/2023	4	N/A	N/A
P04035	Non-breeding	10/02/2023	1	N/A	N/A
P04049	Non-breeding	11/02/2023	7	N/A	N/A





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 1.5 3
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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Northern Lapwing
Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-045.ApX-SUM-L.-TOB-A

Draft: A

7°53'50"W

53°45'0"N

604000

776000

Ballytoohey

Termonbarry

Cloondara

P06615

P00300,
P00752

P04354, P04491

P00761

P06518, P06621

P02087, P02209

P01988

L1462

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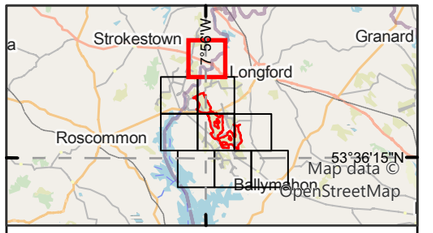

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-23

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Northern Lapwing
Sheet 1 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-045.ApX-SUM-L.-TOB-A

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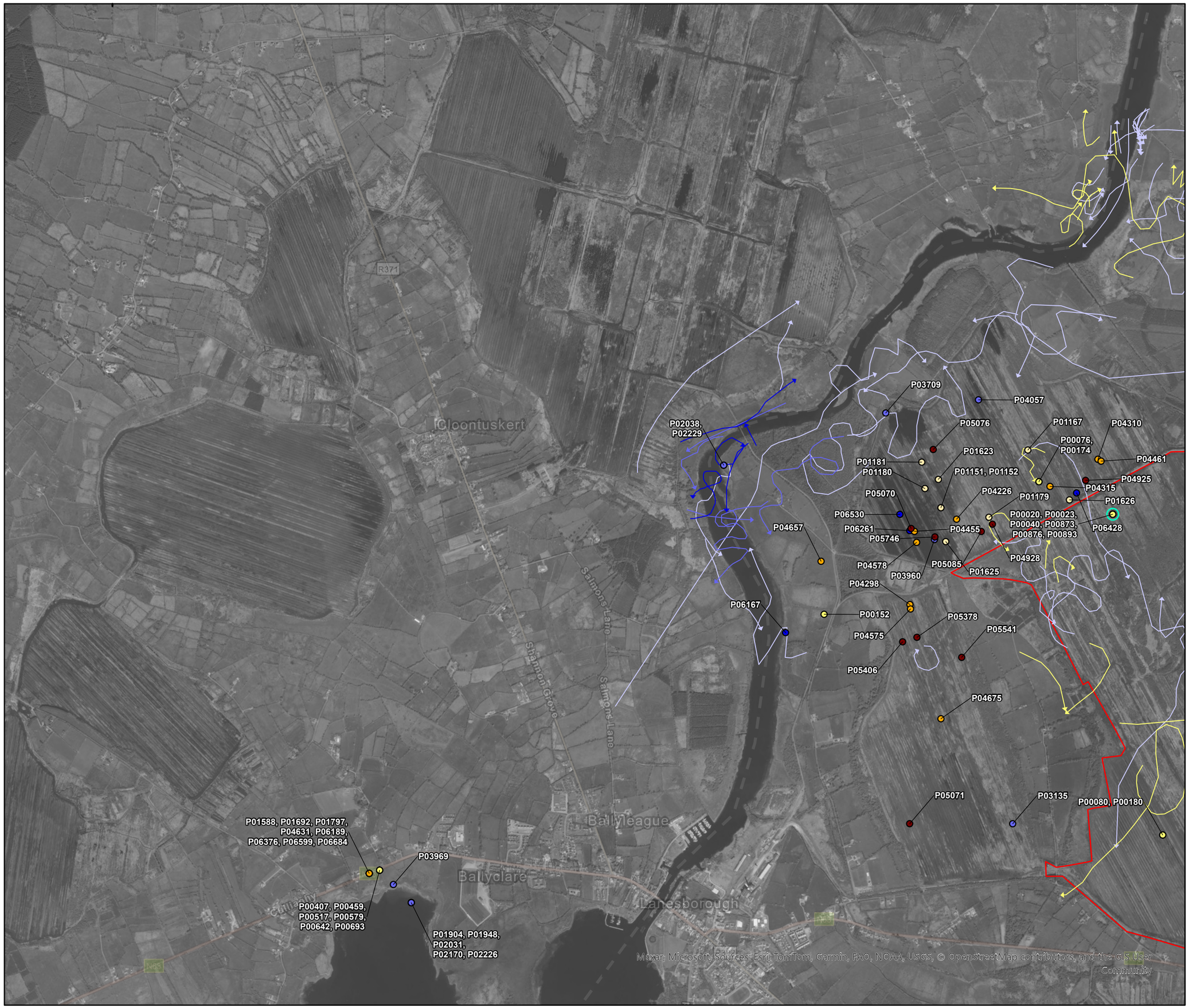
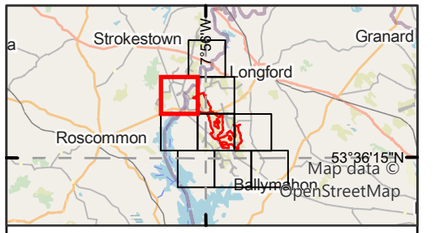
8°2'40"W





Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21

*should be read with data in Appendix 8.3

0 0.5 1
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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Northern Lapwing Sheet 2 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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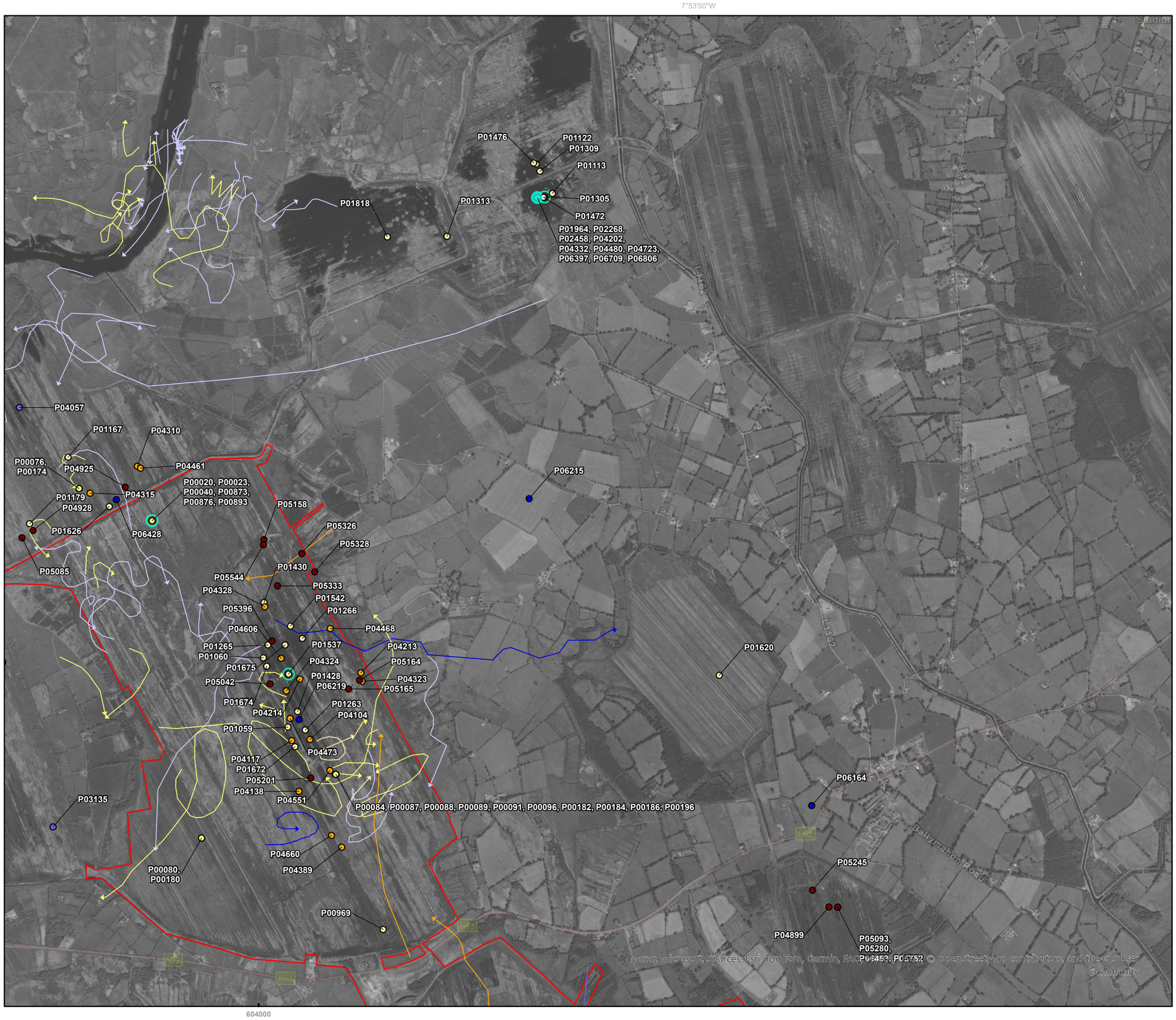

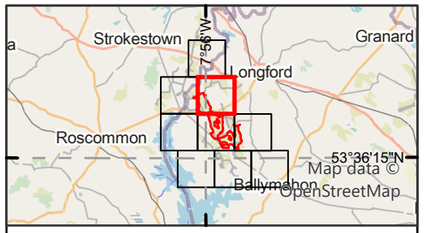

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23

*should be read with data in Appendix 8.3

0 0.5 1
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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Northern Lapwing
Sheet 3 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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Map Ref: 11399-045.ApX-SUM-L.-TOB-A

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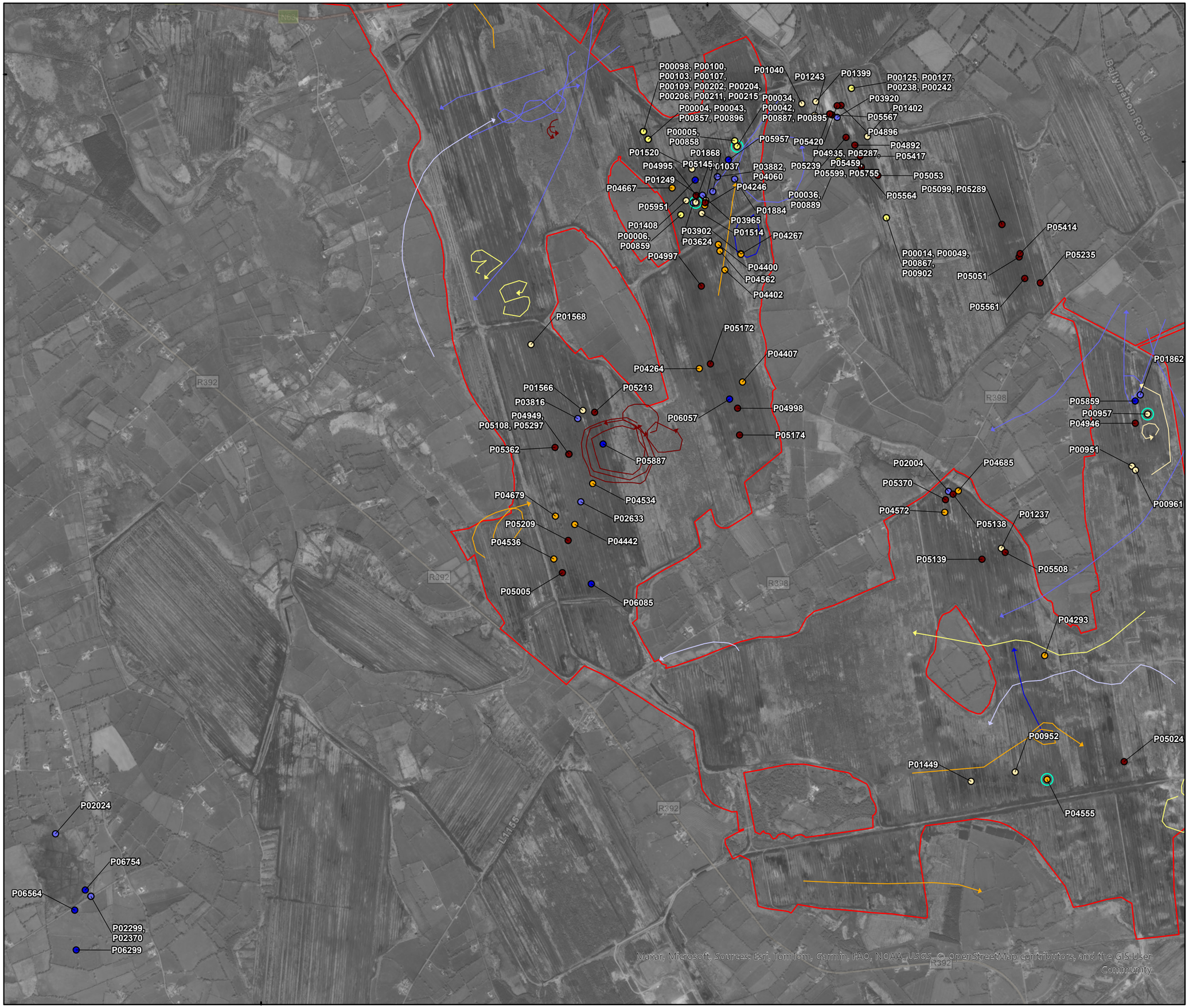
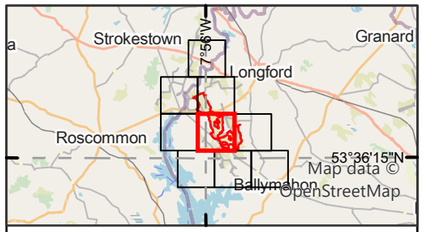
7°53'50"W

53°40'0"N

768000

604000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

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A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Northern Lapwing Sheet 4 of 7

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Prepared by:	Checked by:	Date:
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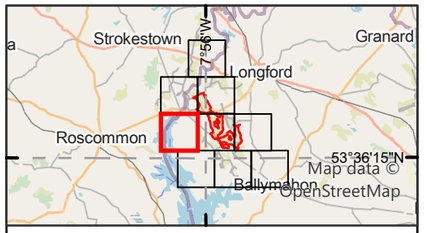
8°2'40"W

53°40'0"N

768000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Northern Lapwing
Sheet 5 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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7°53'50"W

53°35'0"N

P04290

P01295, P01488

P05312,
P05782

P06315

P06760

P05116

P04953, P05111,
P05302, P05472

P05774

R392

L5236

Estate Road

Fas Road

Derrymacar
Lough

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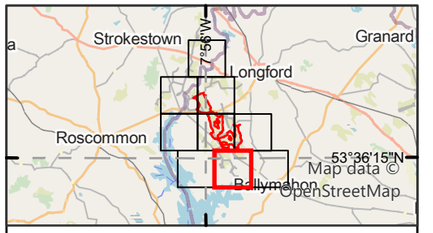

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 0.5 1
Kilometres

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Northern Lapwing
Sheet 6 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
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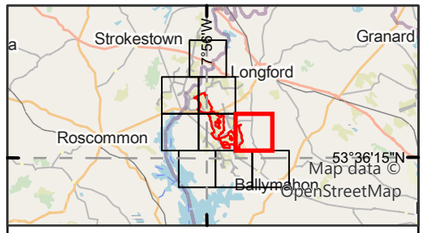

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23

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A	06/05/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Northern Lapwing
Sheet 7 of 7

Scale @ A3: 1:22,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-045.ApX-SUM-L.-TOB-A

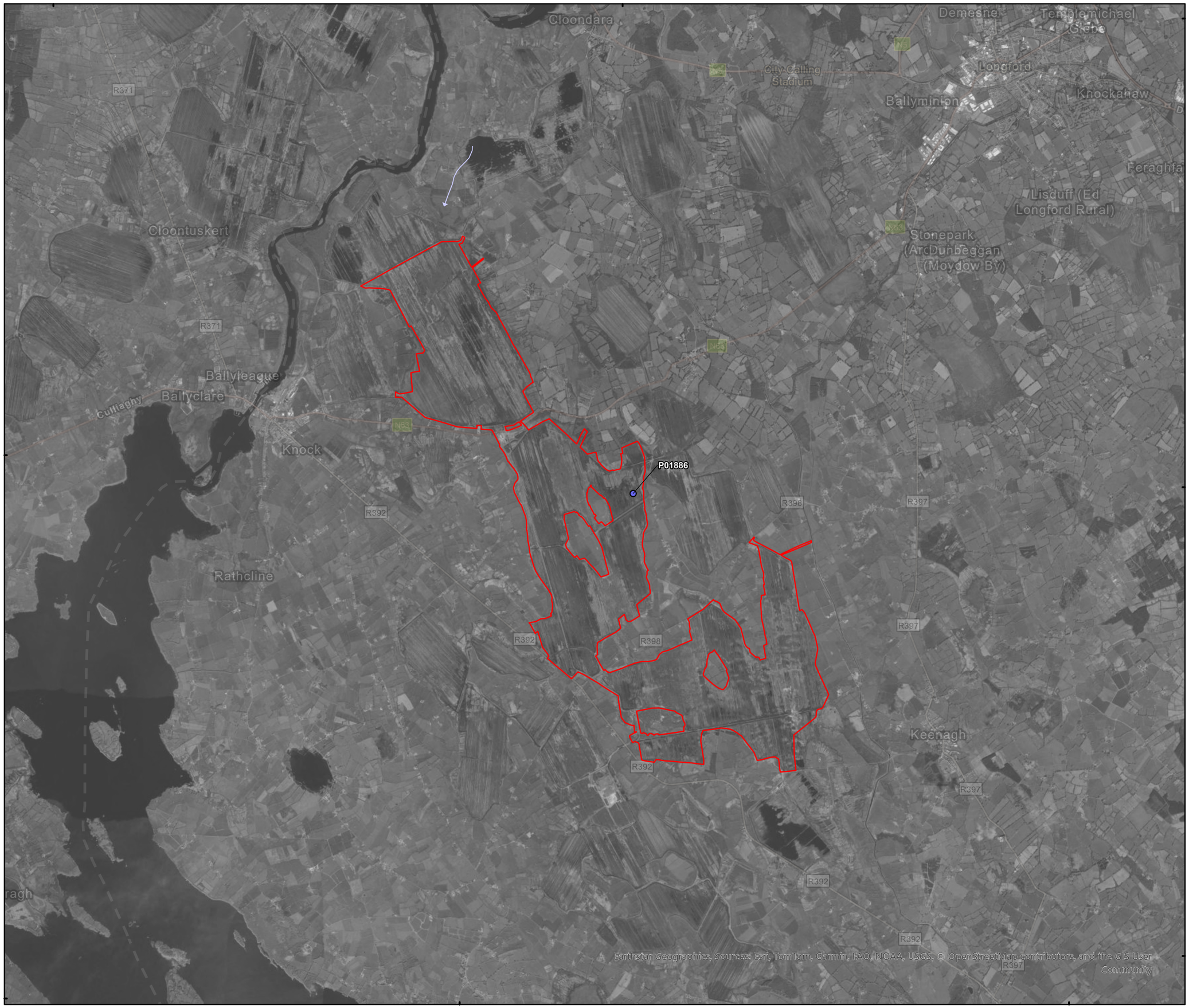
Draft: A

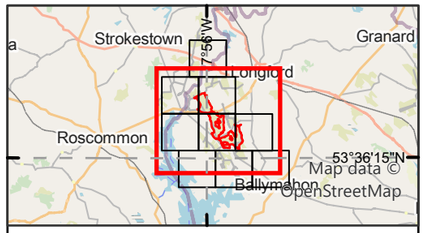
Appendix 8.3ss NORTHERN PINTAIL

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP1	01/02/2022	12:12	6	10	20	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01886	Non-breeding	VP7	08/03/2023	13:20	2	PB4	Foraging.	N/A	N/A

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
776000
768000
760000
604000
614400





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

Non-breeding-22/23

Flightline observations - Seasons

Non-breeding-21/22

0 1 2
Kilometres

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING\
2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE\
3. ENGINEER TO BE INFORMED OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES\
4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

A	16/04/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Northern Pintail
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Map Ref: 11399-046.ApX-SUM-PT-TOB-A

Draft: A

Appendix 8.3tt NORTHERN SHOVELER

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP1	02/03/2022	13:45	1	10	0	0	0	0
Non-breeding	VP 1	16/12/2022	10:01	3	4	0	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01856	Non-breeding	VP4	16/01/2023	11:35	2	PB4	On water		

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01080	Breeding	Ref: 5	20/04/2022	3	Roosting on Inchenagh island.	N/A	N/A
P01087	Breeding	Ref: 4	20/04/2022	8	Roosting.	N/A	N/A
P01115	Breeding	New site	22/04/2022	1	Swimming on open water.	N/A	N/A
P01121	Breeding	New site	22/04/2022	1	Swimming on open water.	N/A	N/A
P01466	Breeding	Ref: 5	10/06/2022	1	Swimming around island.	N/A	N/A
P01901	Non-breeding	Rhynmount Bog	12/10/2022	1	Foraging on wetlands.	N/A	N/A
P01946	Non-breeding	iwebs 1234	31/10/2022	2	With MA and WG	N/A	N/A
P02022	Non-breeding	Near site 4, LeTergullion	06/11/2022	10	Roosting (WN,SV, MA, L)	N/A	N/A
P02046	Non-breeding	Ref No 5	07/12/2022	2	Swimming on open water.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02123	Non-breeding	Newpark, turlough slightly to the east of Turlough Site 4 (same complex)	27/12/2022	9	Feeding in mixed group of MA TU and SV WN	N/A	N/A
P02197	Non-breeding	Rhynmount Bog VP3	13/01/2023	12	Foraging on wetland.	N/A	N/A
P02157	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	18	Swimming in middle with WN	N/A	N/A
P02337	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	18	Swimming in middle with WN	N/A	N/A
P02284	Non-breeding	Lisnacusha turlough/fields	25/02/2023	13	Swimming	N/A	N/A
P02287	Non-breeding	Site 4 Turlough	25/02/2023	28	Swimming and feeding. Dispersed thoughout lough	N/A	N/A
P02298	Non-breeding	East of Site 4, Newpark	25/02/2023	140	Mostly loafing and roosting out of water, some on the water. Most flew up and circled, landing in roughly the same area	N/A	N/A
P02355	Non-breeding	Lisnacusha turlough/fields	25/02/2023	13	Swimming	N/A	N/A
P02358	Non-breeding	Site 4 Turlough	25/02/2023	28	Swimming and feeding. Dispersed thoughout lough	N/A	N/A
P02369	Non-breeding	East of Site 4, Newpark	25/02/2023	140	Mostly loafing and roosting out of water, some on the water.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
					Most flew up and circled, landing in roughly the same area		
P02420	Non-breeding	Ref No 8	03/03/2023	4	Foraging on open water.	N/A	N/A
P02453	Non-breeding	Rhynmount Bog VP1	16/03/2023	1	Foraging	N/A	N/A
P02457	Non-breeding	Rhynmount Bog VP2	16/03/2023	2	Foraging	N/A	N/A
P02465	Non-breeding	Rhynmount Bog VP3	16/03/2023	7	Foraging	N/A	N/A
P02398	Non-breeding	Carrigens turlough/fields	24/03/2023	8	All roosting with Teal above	N/A	N/A
P02407	Non-breeding	East of Location 4	24/03/2023	42	Roosting on 'bars' in field	N/A	N/A
P04205	Breeding	Rhymount VP2	14/04/2023	1	Foraging	N/A	N/A
P04329	Breeding	Onsite	03/05/2023	4	Swimming	N/A	N/A
P04355	Breeding	Derrycashel Bog	03/05/2023	1	Foraging.	N/A	N/A
P06273	Non-breeding	4	20/11/2023	20	20Shoveler on turlough	N/A	N/A
P06296	Non-breeding	4	23/11/2023	15	15 Shoveler on turlough	N/A	N/A
P06318	Non-breeding	4	27/11/2023	26	26 Shoveler on turlough	N/A	N/A
P06560	Non-breeding	4	06/12/2023	26	26 Shoveler on turlough	N/A	N/A
P06569	Non-breeding	4	18/12/2023	59	59 Shoveler on Turlough	N/A	N/A
P06630	Non-breeding	Rhynmount	12/01/2024	4	N/A	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06654	Non-breeding	Southern half of site	25/01/2024	45	N/A	N/A	N/A
P06666	Non-breeding	Southern half of site	25/01/2024	14	N/A	N/A	N/A
P06697	Non-breeding	Ref No: 13	06/02/2024	4	N/A	N/A	N/A
P06738	Non-breeding	Southern half of site	19/02/2024	18	On Turlough	N/A	N/A
P06745	Non-breeding	Southern half of site	21/02/2024	20	On Turlough	N/A	N/A
P01080	Breeding	Ref: 5	20/04/2022	3	Roosting on Inchenagh island.	N/A	N/A
P01087	Breeding	Ref: 4	20/04/2022	8	Roosting.	N/A	N/A
P01115	Breeding	New site	22/04/2022	1	Swimming on open water.	N/A	N/A
P01121	Breeding	New site	22/04/2022	1	Swimming on open water.	N/A	N/A
P01466	Breeding	Ref: 5	10/06/2022	1	Swimming around island.	N/A	N/A
P01901	Non-breeding	Rhynmount Bog	12/10/2022	1	Foraging on wetlands.	N/A	N/A
P01946	Non-breeding	iwebs 1234	31/10/2022	2	With MA and WG	N/A	N/A
P02022	Non-breeding	Near site 4, LeTergullion	06/11/2022	10	Roosting (WN,SV, MA, L)	N/A	N/A
P02046	Non-breeding	Ref No 5	07/12/2022	2	Swimming on open water.	N/A	N/A
P02123	Non-breeding	Newpark, turlough slightly to the east of Turlough Site	27/12/2022	9	Feeding in mixed group of MA TU and SV WN	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
		4 (same complex)					
P02197	Non-breeding	Rhynmount Bog VP3	13/01/2023	12	Foraging on wetland.	N/A	N/A
P02157	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	18	Swimming in middle with WN	N/A	N/A
P02337	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	18	Swimming in middle with WN	N/A	N/A
P02284	Non-breeding	Lisnacusha turlough/fields	25/02/2023	13	Swimming	N/A	N/A
P02287	Non-breeding	Site 4 Turlough	25/02/2023	28	Swimming and feeding. Dispersed thoughout lough	N/A	N/A
P02298	Non-breeding	East of Site 4, Newpark	25/02/2023	140	Mostly loafing and roosting out of water, some on the water. Most flew up and circled, landing in roughly the same area	N/A	N/A
P02355	Non-breeding	Lisnacusha turlough/fields	25/02/2023	13	Swimming	N/A	N/A
P02358	Non-breeding	Site 4 Turlough	25/02/2023	28	Swimming and feeding. Dispersed thoughout lough	N/A	N/A
P02369	Non-breeding	East of Site 4, Newpark	25/02/2023	140	Mostly loafing and roosting out of water, some on the water. Most flew up and circled, landing in roughly the same area	N/A	N/A
P02420	Non-breeding	Ref No 8	03/03/2023	4	Foraging on open water.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02453	Non-breeding	Rhynmount Bog VP1	16/03/2023	1	Foraging	N/A	N/A
P02457	Non-breeding	Rhynmount Bog VP2	16/03/2023	2	Foraging	N/A	N/A
P02465	Non-breeding	Rhynmount Bog VP3	16/03/2023	7	Foraging	N/A	N/A
P02398	Non-breeding	Carrigens turlough/fields	24/03/2023	8	All roosting with Teal above	N/A	N/A
P02407	Non-breeding	East of Location 4	24/03/2023	42	Roosting on 'bars' in field	N/A	N/A
P04205	Breeding	Rhymount VP2	14/04/2023	1	Foraging	N/A	N/A
P04329	Breeding	Onsite	03/05/2023	4	Swimming	N/A	N/A
P04355	Breeding	Derrycashel Bog	03/05/2023	1	Foraging.	N/A	N/A
P06273	Non-breeding	4	20/11/2023	20	20Shoveler on turlough	N/A	N/A
P06296	Non-breeding	4	23/11/2023	15	15 Shoveler on turlough	N/A	N/A
P06318	Non-breeding	4	27/11/2023	26	26 Shoveler on turlough	N/A	N/A
P06560	Non-breeding	4	06/12/2023	26	26 Shoveler on turlough	N/A	N/A
P06569	Non-breeding	4	18/12/2023	59	59 Shoveler on Turlough	N/A	N/A
P06630	Non-breeding	Rhynmount	12/01/2024	4	N/A	N/A	N/A
P06654	Non-breeding	Southern half of site	25/01/2024	45	N/A	N/A	N/A
P06666	Non-breeding	Southern half of site	25/01/2024	14	N/A	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06697	Non-breeding	Ref No: 13	06/02/2024	4	N/A	N/A	N/A
P06738	Non-breeding	Southern half of site	19/02/2024	18	On Turlough	N/A	N/A
P06745	Non-breeding	Southern half of site	21/02/2024	20	On Turlough	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P04314	Breeding	T5	24/05/2023	09:45	1	PB4	N/A	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00728	Non-breeding	HHVP4	24/11/2021	18	N/A	N/A
P05952	Non-breeding	HHVP3	12/02/2024	6	N/A	N/A
P05959	Non-breeding	HHVP4	18/02/2024	2	N/A	N/A

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
776000
768000
760000
604000
614400

P04355
P02453
P01121
P01115
P01901, P02197, P02465
P02457, P04205, P06630
P04314
P04329
P01856
P02420
P05952
P05959
P02287, P02358
P02398
P02046
P01080, P01466
P02284, P02355
P02123
P02022
P02157, P02337
P02407
P06569
P01946
P00728
P06560
P06654
P06738
P06318
P02298, P02369
P06745
P01087
P06273, P06296
P06666

Cloondara
Demesne
Templemichael Glebe
City Calling Stadium
Longford
Ballymineen
Knockanaw
Feraghfa
Lisduff (Ed Longford Rural)
Cloontuskert
Stonepark (Arcdunbeggan (Moydow By)
Ballyleague
Ballyclare
Culliaghy
Knock
Rathcline
Keenagh
R371
R392
R397
R398
N63
N5

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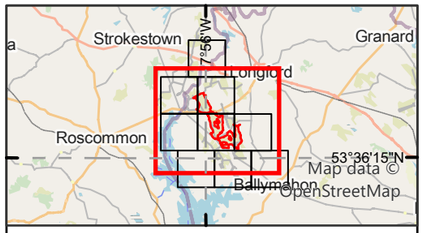

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23

0 1 2
Kilometres

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING\
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Rev	Date	Description	By	Chkd.
A	24/03/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Northern Shoveler
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	March 2025

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Map Ref: 11399-047.ApX-SUM-SV-TOB-A

Draft: A

Appendix 8.3uu PEREGRINE FALCON

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP4	05/05/2021	08:21	1	0	225	109	0	93
Breeding	VP3	01/06/2021	19:07	1	6	0	0	0	0
Breeding	VP3	06/07/2021	10:55	1	0	64	407	0	105
Breeding	VP9	21/09/2021	09:46	1	8	43	0	0	0
Non-breeding	VP6	02/12/2021	10:30	1	50	0	0	0	0
Non-breeding	VP3	13/12/2021	12:20	1	30	50	0	0	0
Non-breeding	VP4	15/12/2021	12:25	1	0	32	0	0	0
Non-breeding	VP7	15/12/2021	11:30	1	0	0	100	0	0
Non-breeding	VP1	07/01/2022	11:27	2	0	0	0	0	180
Non-breeding	VP7	02/02/2022	11:08	1	0	45	0	0	0
Non-breeding	VP3	16/03/2022	11:28	1	0	0	10	0	20
Non-breeding	VP6	16/03/2022	12:24	1	0	28	0	0	0
Breeding	VP 3	14/04/2022	13:12	1	0	15	195	20	0
Breeding	VP 6	21/04/2022	08:26	1	0	30	145	35	0
Breeding	VP 3	03/08/2022	17:39	1	0	15	0	0	0
Breeding	VP 3	03/08/2022	17:39	1	0	15	0	0	0
Breeding	VP9	12/09/2022	15:10	1	0	60	110	0	0
Non-breeding	VP10	04/11/2022	14:35	1	30	0	0	0	0
Non-breeding	VP10	04/11/2022	11:40	1	0	35	0	0	0
Non-breeding	VP10	01/12/2022	09:55	1	70	0	0	0	0
Non-breeding	VP10	01/12/2022	11:25	1	60	30	0	0	0
Non-breeding	VP10	09/01/2023	15:40	1	0	10	0	0	0
Breeding	VP10	16/06/2023	15:12	1	0	40	75	0	0
Breeding	VP10	25/07/2023	16:48	1	0	40	0	0	0
Breeding	VP4	01/08/2023	10:00	1	0	0	0	35	0
Breeding	VP10	18/09/2023	16:23	1	25	15	0	0	0
Breeding	VP3	25/09/2023	10:10	1	0	0	65	0	0
Breeding	VP4	29/09/2023	07:55	1	0	0	75	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP4	29/09/2023	09:35	1	0	35	0	0	0
Non-breeding	VP5	27/10/2023	11:10	1	12	3	0	0	0
Breeding	VP11	21/06/2024	07:18	1	0	55	30	0	0
Breeding	VP6	04/07/2024	09:05	1	0	45	35	0	0
Breeding	VP4	05/05/2021	08:21	1	0	225	109	0	93
Breeding	VP3	01/06/2021	19:07	1	6	0	0	0	0
Breeding	VP3	06/07/2021	10:55	1	0	64	407	0	105
Breeding	VP9	21/09/2021	09:46	1	8	43	0	0	0
Non-breeding	VP6	02/12/2021	10:30	1	50	0	0	0	0
Non-breeding	VP3	13/12/2021	12:20	1	30	50	0	0	0
Non-breeding	VP4	15/12/2021	12:25	1	0	32	0	0	0
Non-breeding	VP7	15/12/2021	11:30	1	0	0	100	0	0
Non-breeding	VP1	07/01/2022	11:27	2	0	0	0	0	180
Non-breeding	VP7	02/02/2022	11:08	1	0	45	0	0	0
Non-breeding	VP3	16/03/2022	11:28	1	0	0	10	0	20
Non-breeding	VP6	16/03/2022	12:24	1	0	28	0	0	0
Breeding	VP 3	14/04/2022	13:12	1	0	15	195	20	0
Breeding	VP 6	21/04/2022	08:26	1	0	30	145	35	0
Breeding	VP 3	03/08/2022	17:39	1	0	15	0	0	0
Breeding	VP 3	03/08/2022	17:39	1	0	15	0	0	0
Breeding	VP9	12/09/2022	15:10	1	0	60	110	0	0
Non-breeding	VP10	04/11/2022	14:35	1	30	0	0	0	0
Non-breeding	VP10	04/11/2022	11:40	1	0	35	0	0	0
Non-breeding	VP10	01/12/2022	09:55	1	70	0	0	0	0
Non-breeding	VP10	01/12/2022	11:25	1	60	30	0	0	0
Non-breeding	VP10	09/01/2023	15:40	1	0	10	0	0	0
Breeding	VP10	16/06/2023	15:12	1	0	40	75	0	0
Breeding	VP10	25/07/2023	16:48	1	0	40	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP4	01/08/2023	10:00	1	0	0	0	35	0
Breeding	VP10	18/09/2023	16:23	1	25	15	0	0	0
Breeding	VP3	25/09/2023	10:10	1	0	0	65	0	0
Breeding	VP4	29/09/2023	07:55	1	0	0	75	0	0
Breeding	VP4	29/09/2023	09:35	1	0	35	0	0	0
Non-breeding	VP5	27/10/2023	11:10	1	12	3	0	0	0
Breeding	VP11	21/06/2024	07:18	1	0	55	30	0	0
Breeding	VP6	04/07/2024	09:05	1	0	45	35	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P00976	Breeding	VP3	03/08/2022	18:10	1	bl3	Perched.	N/A	N/A
P01841	Non-breeding	VP10	04/11/2022	11:40	1	PB4	Perched.	N/A	N/A
P04091	Breeding	VP3	05/04/2023	17:40	1	N/A	perched	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P04617	Breeding	Ref No: 12	07/07/2023	1	Male hunting.	N/A	N/A

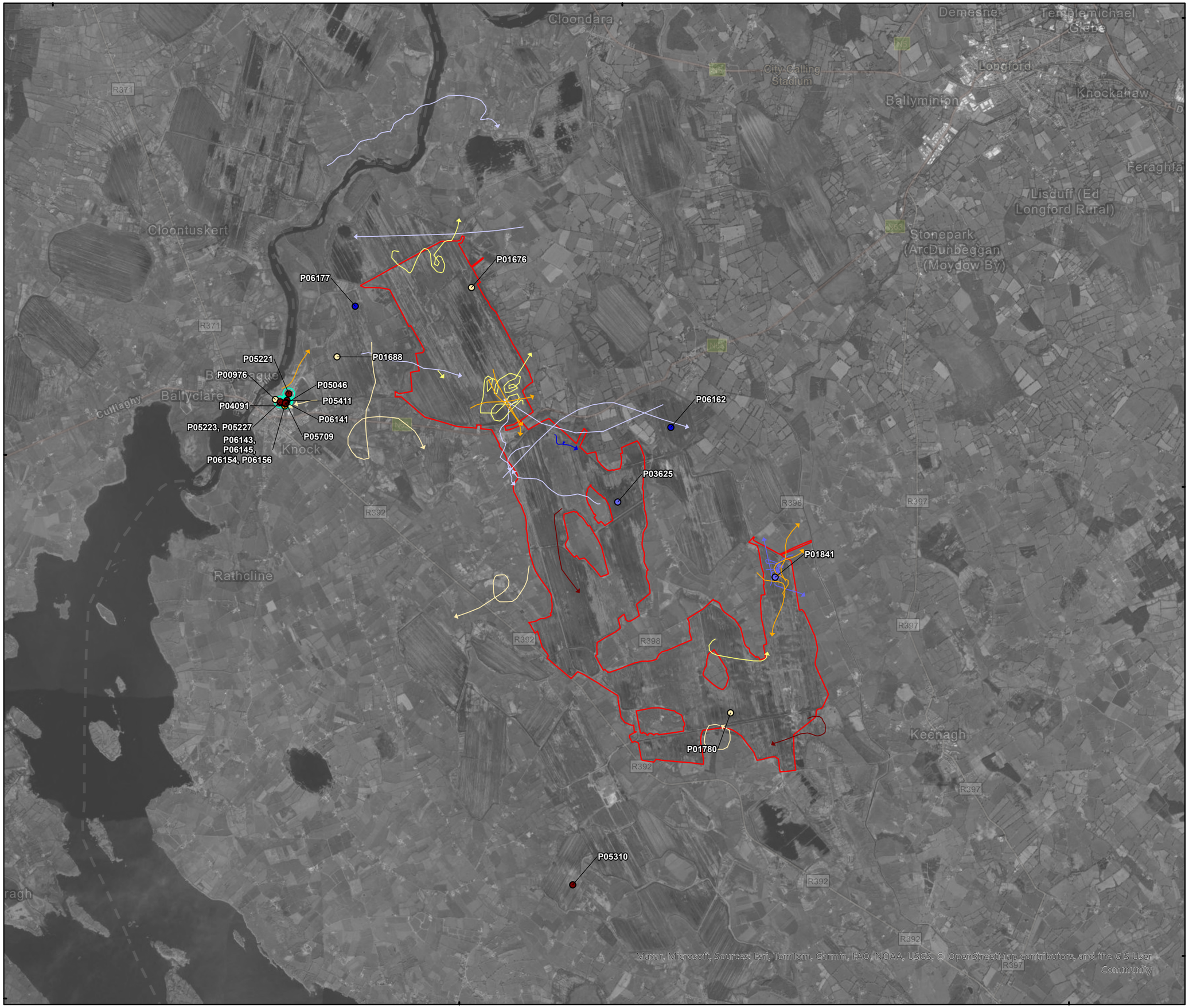
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01676	Breeding	T10	10/08/2022	N/A	1	PB4	Perched	N/A	N/A
P01688	Breeding	T6	23/08/2022	N/A	1	PB4	Hunting	N/A	N/A
P01780	Breeding	T18	14/09/2022	N/A	1	PB4	Hunting	N/A	N/A

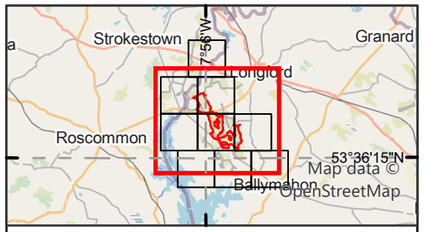
CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P03625	Non-breeding	T11	15/02/2023	08:30	1	PB4	Hunting	N/A	N/A
P06162	Non-breeding	T20	06/11/2023	13:45	1	PB4	Carrying off prey.	N/A	N/A
P06177	Non-breeding	T7	09/11/2023	13:55	1	PB4	Hunting	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P05046	Breeding	RVP2	19/05/2024	2	N	Probable
P05221	Breeding	Lanesboro Power Station	09/06/2024	3	FL	Confirmed
P05310	Breeding	Ref No:11	11/06/2024	1	N/A	N/A
P05223	Breeding	Lanesboro Power Station	22/06/2024	1	N	Probable
P05227	Breeding	Lanesboro Power Station	30/06/2024	2	FL	Confirmed
P05411	Breeding	Lanesboro Power Staion	14/07/2024	1	FL	Confirmed
P05709	Breeding	Lanesboro Power Station	23/09/2024	1	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P06141	Breeding	06/06/2024	3	ON	Confirmed
P06143	Breeding	12/07/2024	1	N/A	N/A
P06145	Breeding	19/07/2024	2	FL	Confirmed
P06154	Breeding	03/08/2024	1	N/A	N/A
P06156	Breeding	30/09/2024	1	N/A	N/A

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
776000
768000
760000
604000
614400





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24

*should be read with data in Appendix 8.3

0 1 2
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A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Peregrine Falcon
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Appendix 8.3vv PINK-FOOTED GOOSE

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00274	Breeding	HHVP8	14/05/2021	1	N/A	N/A

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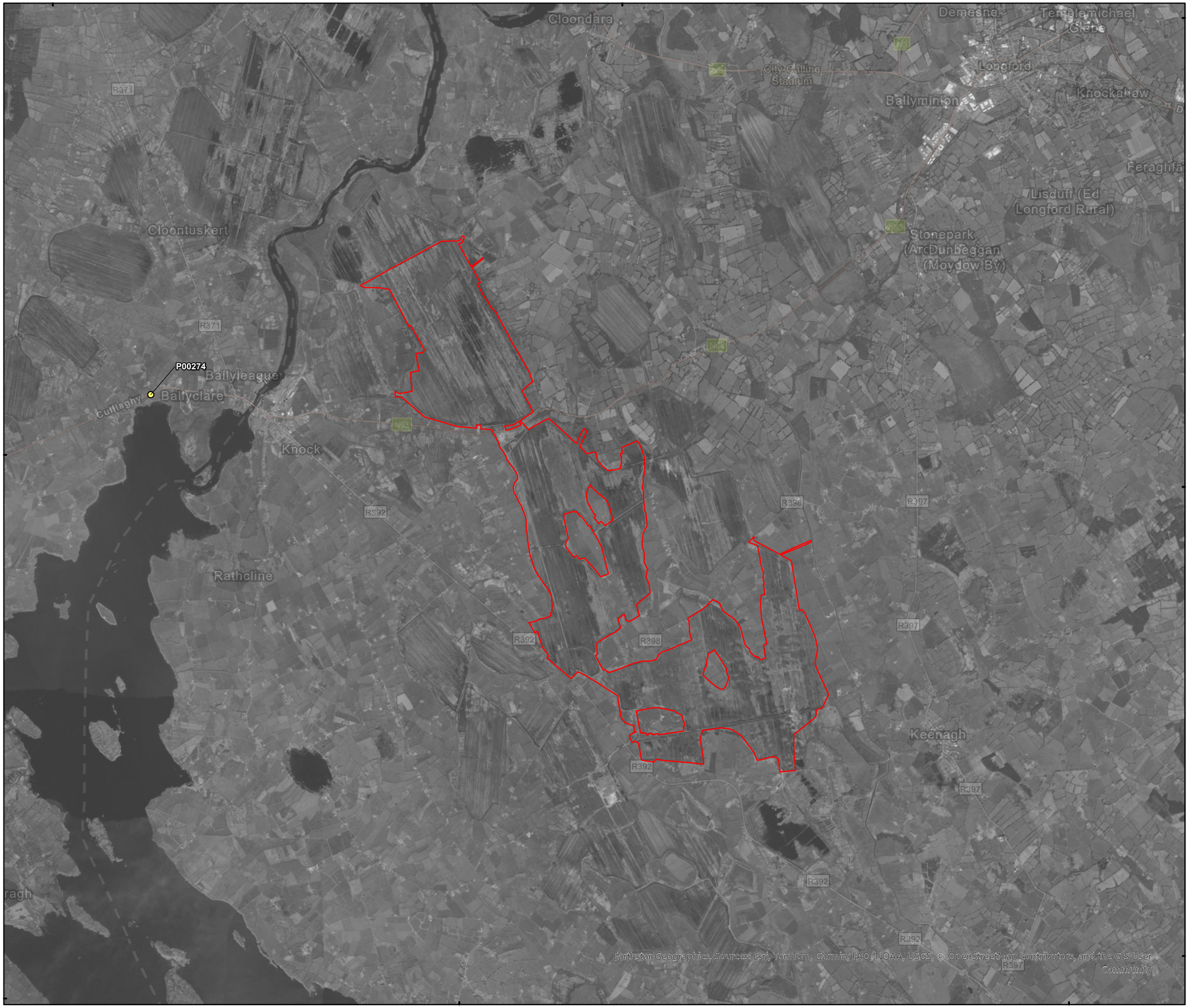
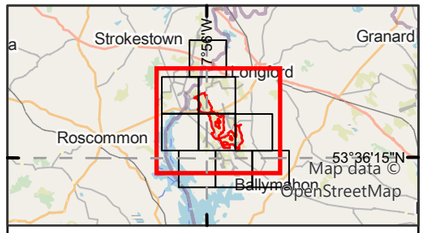
7°53'50"W
53°40'0"N
53°35'0"N
604000
614400
776000
768000
760000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

Breeding-21

0 1 2
Kilometres

NOTES

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Bord na Móna

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Derryadd Wind Farm

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Flight and non-flight observations
Pink-footed Goose
Sheet 1 of 1

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Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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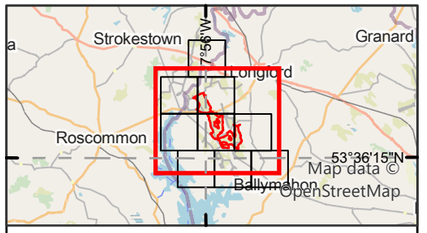
Appendix 8.3ww REDWING

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01849	Non-breeding	VP3	11/12/2022	00:00	3	GA2	Feeding	N/A	N/A
P05866	Non-breeding	VP7	06/11/2023	10:55	45	N/A	Hunting.	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P02883	Non-breeding	T17	08/11/2022	08:30	6	PB4	Flyover	N/A	N/A
P02900	Non-breeding	T21	08/11/2022	09:40	11	PB4	Flyover	N/A	N/A
P02930	Non-breeding	T16	14/11/2022	09:55	25	PB4	Flyover	N/A	N/A
P03252	Non-breeding	T14	09/01/2023	08:20	12	N/A	Foraging	N/A	N/A
P06479	Non-breeding	T8	06/12/2023	12:45	12	PB4	Foraging	N/A	N/A

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
776000
768000
760000
604000
614400



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24

0 1 2
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NOTES

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Bord na Móna

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Derryadd Wind Farm

Title:

Flight and non-flight observations
Redwing
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
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Earthstar Geographics, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Appendix 8.3xx SHORT-EARED OWL

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Breeding	VP 1	12/04/2022	19:44	1	40	0	0	0	0

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
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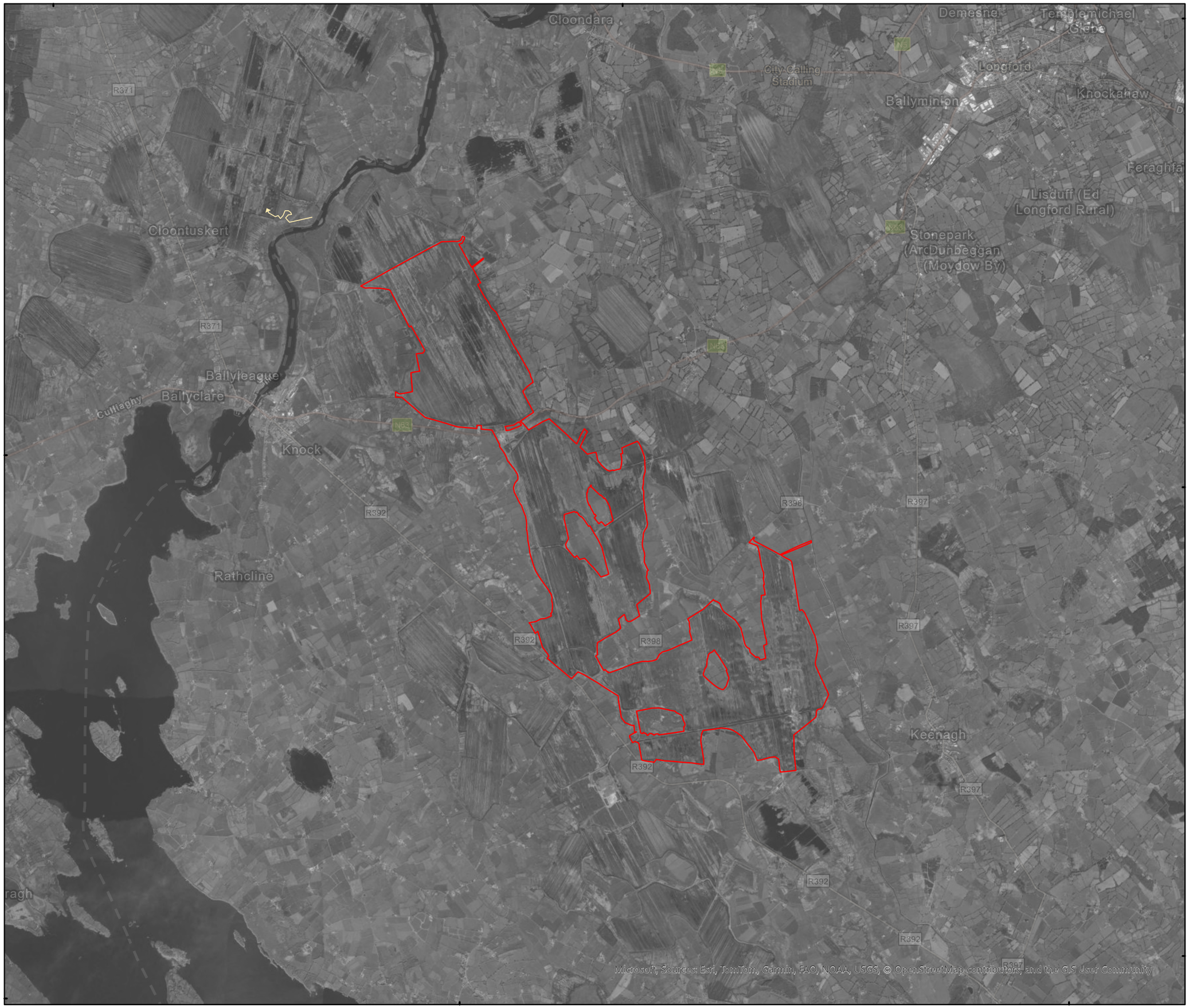
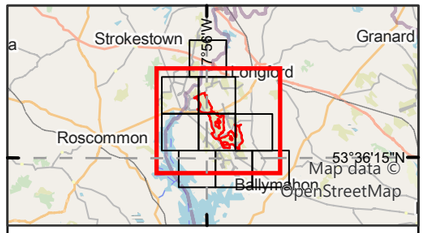
614400
776000
768000
760000





Legend

Proposed wind farm site boundary

Flightline observations - Seasons

Breeding-22

0 1 2
Kilometres

NOTES

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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Short-eared Owl
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Appendix 8.3yy TUFTED DUCK

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP1	09/01/2023	14:40	3	6	0	0	0	0

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01097	Breeding	Ref: 8	21/04/2022	2	Pair swimming on open water.	P	Possible
P01120	Breeding	New site	22/04/2022	4	2 pairs swimming on open water.	P	Possible
P01308	Breeding	Rhynmount Bog.	10/05/2022	2	Pair swimming on lake together.	N/A	N/A
P01322	Breeding	Ref: 5	12/05/2022	19	5 pairs, rest are males swimming around lake.	P	Probable
P01210	Breeding	VP Number 8	17/05/2022	2	2 tufted duck on lake	H	Possible
P01465	Breeding	Ref: 5	10/06/2022	3	Swimming around island.	N/A	N/A
P01585	Breeding	ref: 8	11/07/2022	12	Swimming on open water.	N/A	N/A
P01896	Non-breeding	Rhynmount Bog	12/10/2022	7	Foraging on wetlands.	N/A	N/A
P01914	Non-breeding	Ref No 5	13/10/2022	5	Foraging on open water.	N/A	N/A
P02017	Non-breeding	Site 4	06/11/2022	3	On water feeding/diving	N/A	N/A
P01973	Non-breeding	Rhynmount Bog	16/11/2022	9	Foraging on wetlands.	N/A	N/A
P02007	Non-breeding	Site 4	27/11/2022	10	In middle of turlough, swimming and diving	N/A	N/A
P02067	Non-breeding	Rhynmount Bog	08/12/2022	16	Foraging/ Swimming on wetlands.	N/A	N/A
P02111	Non-breeding	Site 4, Turlough at LeTergullion	27/12/2022	7	On water	N/A	N/A
P02115	Non-breeding	Site 4, Turlough at LeTergullion	27/12/2022	8	Second group to the south of previous group	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02122	Non-breeding	Newpark, turlough slightly to the east of Turlough Site 4 (same complex)	27/12/2022	7	Feeding in mixed group of MA TU and SV WN	N/A	N/A
P02173	Non-breeding	Ref No 8	10/01/2023	2	Swimming on open water.	N/A	N/A
P02196	Non-breeding	Rhynmount Bog VP3	13/01/2023	45	Foraging on wetland.	N/A	N/A
P02142	Non-breeding	NE of Lisnacusha	29/01/2023	31	Swimming and feeding in middle of water	N/A	N/A
P02149	Non-breeding	Site 4, Turlough	29/01/2023	55	In teo groups 30/25, east/west side of turlough	N/A	N/A
P02165	Non-breeding	Greenhall Upper	29/01/2023	10	With WN on water	N/A	N/A
P02167	Non-breeding	Site 3 on map	29/01/2023	11	N/A	N/A	N/A
P02322	Non-breeding	NE of Lisnacusha	29/01/2023	31	Swimming and feeding in middle of water	N/A	N/A
P02329	Non-breeding	Site 4, Turlough	29/01/2023	55	In teo groups 30/25, east/west side of turlough	N/A	N/A
P02345	Non-breeding	Greenhall Upper	29/01/2023	10	With WN on water	N/A	N/A
P02347	Non-breeding	Site 3 on map	29/01/2023	11	N/A	N/A	N/A
P02221	Non-breeding	Ref No 8	03/02/2023	17	Foraging on open water.	N/A	N/A
P02236	Non-breeding	Ref No 5	03/02/2023	24	Foraging on open water.	N/A	N/A
P02272	Non-breeding	Rhynmount Bog VP3	16/02/2023	25	Foraging on wetland.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02288	Non-breeding	Site 4 Turlough	25/02/2023	27	Swimming and feeding. Dispersed thoughout lough	N/A	N/A
P02306	Non-breeding	Loughpark, Site 3	25/02/2023	10	Feeding/ Diving on water	N/A	N/A
P02359	Non-breeding	Site 4 Turlough	25/02/2023	27	Swimming and feeding. Dispersed thoughout lough	N/A	N/A
P02377	Non-breeding	Loughpark, Site 3	25/02/2023	10	Feeding/ Diving on water	N/A	N/A
P02418	Non-breeding	Ref No 8	03/03/2023	16	Foraging on open water.	N/A	N/A
P02433	Non-breeding	Ref No 5	03/03/2023	21	Foraging on open water.	N/A	N/A
P02466	Non-breeding	Rhynmount Bog VP3	16/03/2023	11	Foraging	N/A	N/A
P02400	Non-breeding	Carrigens turlough/fields	24/03/2023	4	On water	N/A	N/A
P02403	Non-breeding	Location 4, Turlough	24/03/2023	5	Feeding/diving on water	N/A	N/A
P04167	Breeding	Ref No 8	14/04/2023	5	Foraging	N/A	N/A
P04204	Breeding	Rhymount VP2	14/04/2023	2	Foraging	N/A	N/A
P04210	Breeding	Rhymount VP3	14/04/2023	5	Foraging	N/A	N/A
P04274	Breeding	Lough Ree	27/04/2023	19	19 Tufted duck on lake	H	Possible
P04420	Breeding	5 KM radius	26/05/2023	8	8 Tufted duck feeding on lake	H	Possible
P04486	Breeding	Rhynmount VP3	02/06/2023	1	Swimming	N/A	N/A
P04515	Breeding	Lough Ree	09/06/2023	20	20 Tufted duck feeding on lake	H	Possible
P04734	Breeding	Ref No: 8	03/08/2023	15	Juvenile swimming.	N/A	N/A
P06433	Non-breeding	5	06/10/2023	8	8 Tufted Duck on lake	N/A	N/A
P06379	Non-breeding	Ref No: 8	10/10/2023	2	Foraging	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06280	Non-breeding	4	20/11/2023	10	10 Tufted duck on turlough	N/A	N/A
P06283	Non-breeding	5	20/11/2023	40	40 Tufted Duck on Lough Ree	N/A	N/A
P06289	Non-breeding	5	23/11/2023	30	30 Tufted duck on lake	N/A	N/A
P06320	Non-breeding	4	27/11/2023	136	136 Tufted Duck on turlough	N/A	N/A
P06329	Non-breeding	5	27/11/2023	35	35 Tufted Duck on Lough Ree	N/A	N/A
P06496	Non-breeding	Rhynmount	08/12/2023	32	Swimming	N/A	N/A
P06505	Non-breeding	Ref No: 8	11/12/2023	18	Swimming	N/A	N/A
P06577	Non-breeding	4	18/12/2023	38	38 Tufted Duck on turlough	N/A	N/A
P06582	Non-breeding	5	18/12/2023	5	5 Tufted duck on Lough Ree	N/A	N/A
P06642	Non-breeding	Southern half of site	02/01/2024	22	N/A	N/A	N/A
P06604	Non-breeding	Ref No: 8	05/01/2024	16	N/A	N/A	N/A
P06629	Non-breeding	Rhynmount	12/01/2024	9	N/A	N/A	N/A
P06647	Non-breeding	Southern half of site	25/01/2024	54	N/A	N/A	N/A
P06659	Non-breeding	Southern half of site	25/01/2024	130	N/A	N/A	N/A
P06680	Non-breeding	Ref No: 8	06/02/2024	2	N/A	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06728	Non-breeding	Southern half of site	19/02/2024	70	On lake	N/A	N/A
P06751	Non-breeding	Southern half of site	21/02/2024	45	On Turlough	N/A	N/A
P06776	Non-breeding	Ref No: 8	07/03/2024	13	Roosting	N/A	N/A
P04970	Breeding	2 km North of site	17/04/2024	8	8 Tufted Duck on Lough Ree	H	Possible
P05340	Breeding	2km buffer	17/06/2024	4	Tufted Duck with 3 chicks on wetland	FL	Confirmed
P05348	Breeding	2km buffer	18/06/2024	4	4 Tufted Duck on lake	N/A	N/A
P05517	Breeding	2km buffer	24/07/2024	5	Tufted Duck with 4 ducklings	FL	Confirmed
P05536	Breeding	2km buffer	29/07/2024	4	Adult and 3 ducklings on wetland.	FL	Confirmed

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00246	Breeding	HHVP4	12/05/2021	2	N/A	N/A
P00257	Breeding	HHVP5	12/05/2021	8	N/A	N/A
P00277	Breeding	HHVP8	14/05/2021	4	N/A	N/A
P00284	Breeding	HHVP9	14/05/2021	5	N/A	N/A
P00319	Breeding	HHVP4	12/06/2021	2	N/A	N/A
P00330	Breeding	HHVP5	12/06/2021	9	N/A	N/A
P00394	Breeding	HHVP5	17/07/2021	6	N/A	N/A
P00413	Breeding	HHVP8	17/07/2021	22	N/A	N/A
P00419	Breeding	HHVP9	17/07/2021	2	N/A	N/A
P00454	Breeding	HHVP5	05/08/2021	7	N/A	N/A
P00458	Breeding	HHVP8	05/08/2021	124	N/A	N/A
P00475	Breeding	HHVP9	05/08/2021	3	N/A	N/A
P00503	Breeding	HHVP5	14/08/2021	2	N/A	N/A
P00519	Breeding	HHVP8	14/08/2021	111	N/A	N/A
P00538	Breeding	HHVP9	14/08/2021	4	N/A	N/A
P00644	Breeding	HHVP8	30/09/2021	14	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00653	Breeding	HHVP9	30/09/2021	20	N/A	N/A
P00692	Non-breeding	HHVP8	26/10/2021	26	N/A	N/A
P00702	Non-breeding	HHVP9	26/10/2021	45	N/A	N/A
P00733	Non-breeding	HHVP4	24/11/2021	2	N/A	N/A
P00748	Non-breeding	HHVP8	24/11/2021	45	N/A	N/A
P00768	Non-breeding	HHVP4	25/01/2022	1	N/A	N/A
P00781	Non-breeding	HHVP8	25/01/2022	4	N/A	N/A
P00782	Non-breeding	HHVP9	25/01/2022	4	N/A	N/A
P00791	Non-breeding	HHVP4	28/02/2022	15	N/A	N/A
P00811	Non-breeding	HHVP8	28/02/2022	4	N/A	N/A
P00819	Non-breeding	HHVP4	29/03/2022	20	N/A	N/A
P00826	Non-breeding	HHVP5	29/03/2022	55	N/A	N/A
P00842	Non-breeding	HHVP8	29/03/2022	8	N/A	N/A
P00845	Non-breeding	HHVP9	29/03/2022	6	N/A	N/A

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
776000
768000
760000
604000
614400

P05536
P01120
P01308
P05340
P01896, P01973, P02067, P02196, P02272, P02466, P04210, P04486
P04204, P06496, P06629
P01097, P01585, P04167, P04734, P06379, P06505, P06604, P06680, P06776
P04970
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P02173, P02221, P02418
P05348
P01210
P05517
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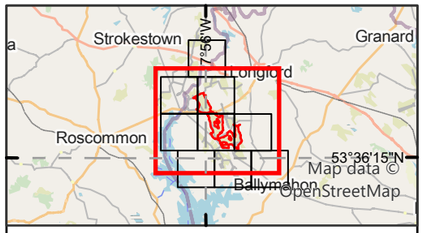
P00257, P00330, P00394, P00454, P00503, P00826
P01914, P02236, P02433
P01322, P01465, P04274, P04420, P04515, P06283, P06289, P06329, P06433, P06582, P06642, P06659, P06728
P02400
P02142, P02322
P06577
P06320
P02122
P06751
P02007
P02017
P06647
P02111, P02115
P06280
P02149, P02329, P02403
P00246, P00319, P00733, P00768, P00791, P00819
P02165, P02345
P02288, P02359

Cloondara
Demesne
Templemichael Glebe
City Calling Stadium
Longford
Ballymineen
Knockahaw
Feraghfa
Lisduff (Ed Longford Rural)
Cloontuskert
Stonepark (Arc Dunbeggan (Moydow By))
Ballyclare
Knock
Rathcline
Keenagh

R371
R392
R397
R398
N63
N5

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



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-21
- Breeding-22
- Breeding-23
- Breeding-24
- **Confirmed** Breeding Status*

Flightline observations - Seasons

- Non-breeding-22/23

*should be read with data in Appendix 8.3

0 1 2
Kilometres

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Rev	Date	Description	By	Chkd.
A	06/05/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Tufted Duck
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	May 2025

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Map Ref: 11399-052.ApX-SUM-TU-TOB-A

Draft: A

Appendix 8.3zz WESTERN BARN OWL

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P02499	Non-breeding	HHVP5	13/10/2022	1	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P06148	Breeding	Rathcline Castle ruins	28/07/2024	N/A	N/A
P06155	Breeding	Lisawley	07/09/2024	N/A	N/A

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
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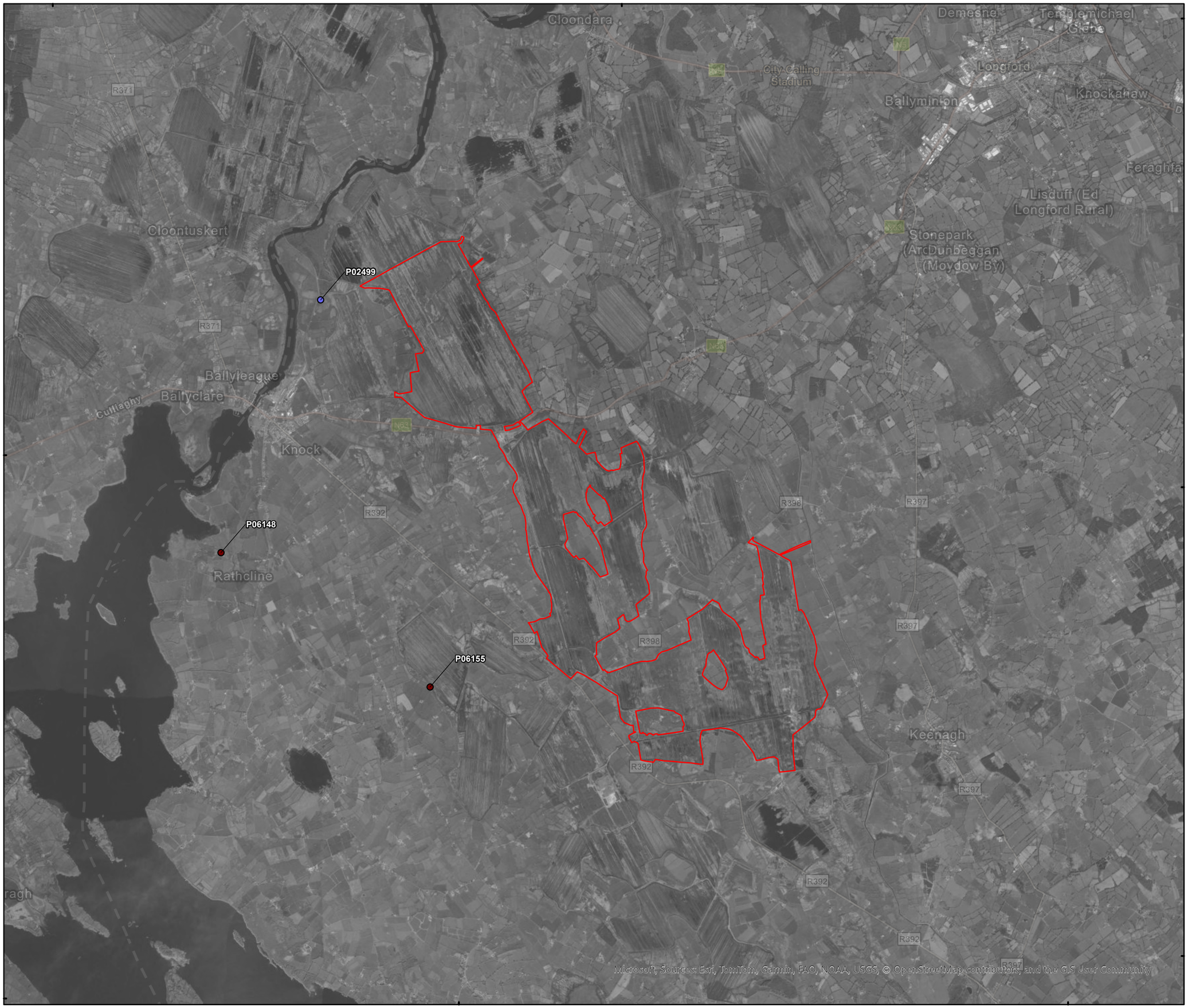
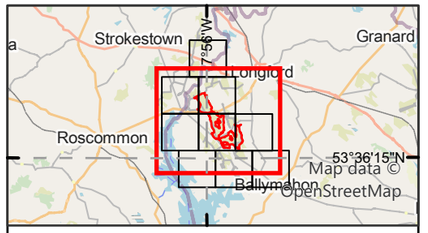
614400
776000
768000
760000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Breeding-24

0 1 2
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NOTES

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A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Western Barn Owl
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Draft: A

Appendix 8.3aaa WESTERN MARSH HARRIER

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP3	16/03/2022	09:50	1	100	0	0	0	0

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
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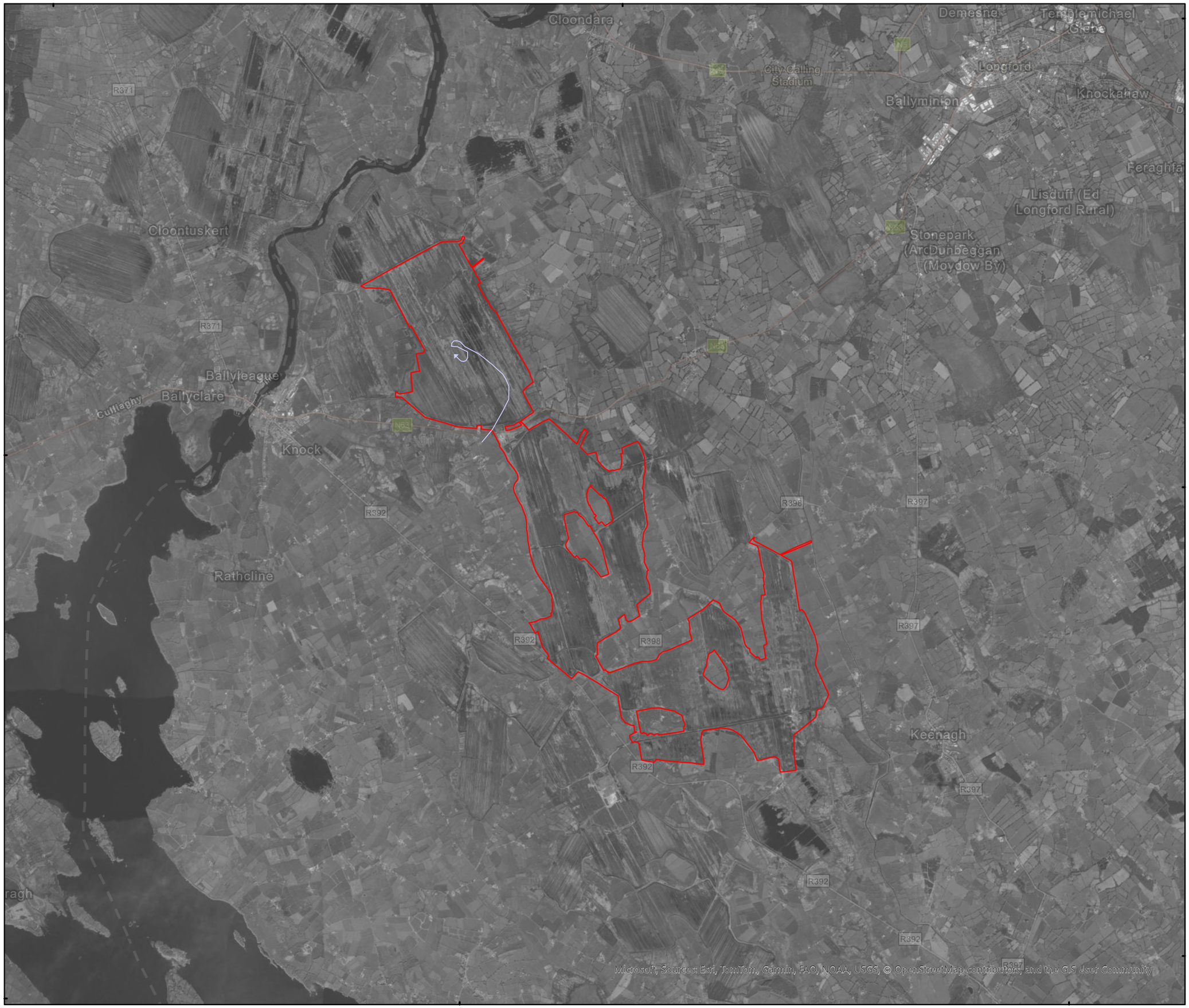
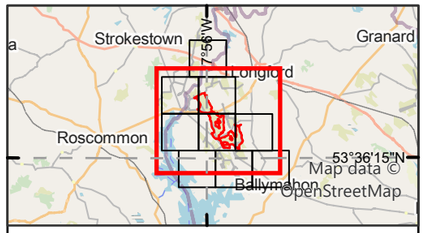
614400
776000
768000
760000





Legend

Proposed wind farm site boundary

Flightline observations - Seasons

Non-breeding-21/22

0 1 2
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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Western Marsh Harrier
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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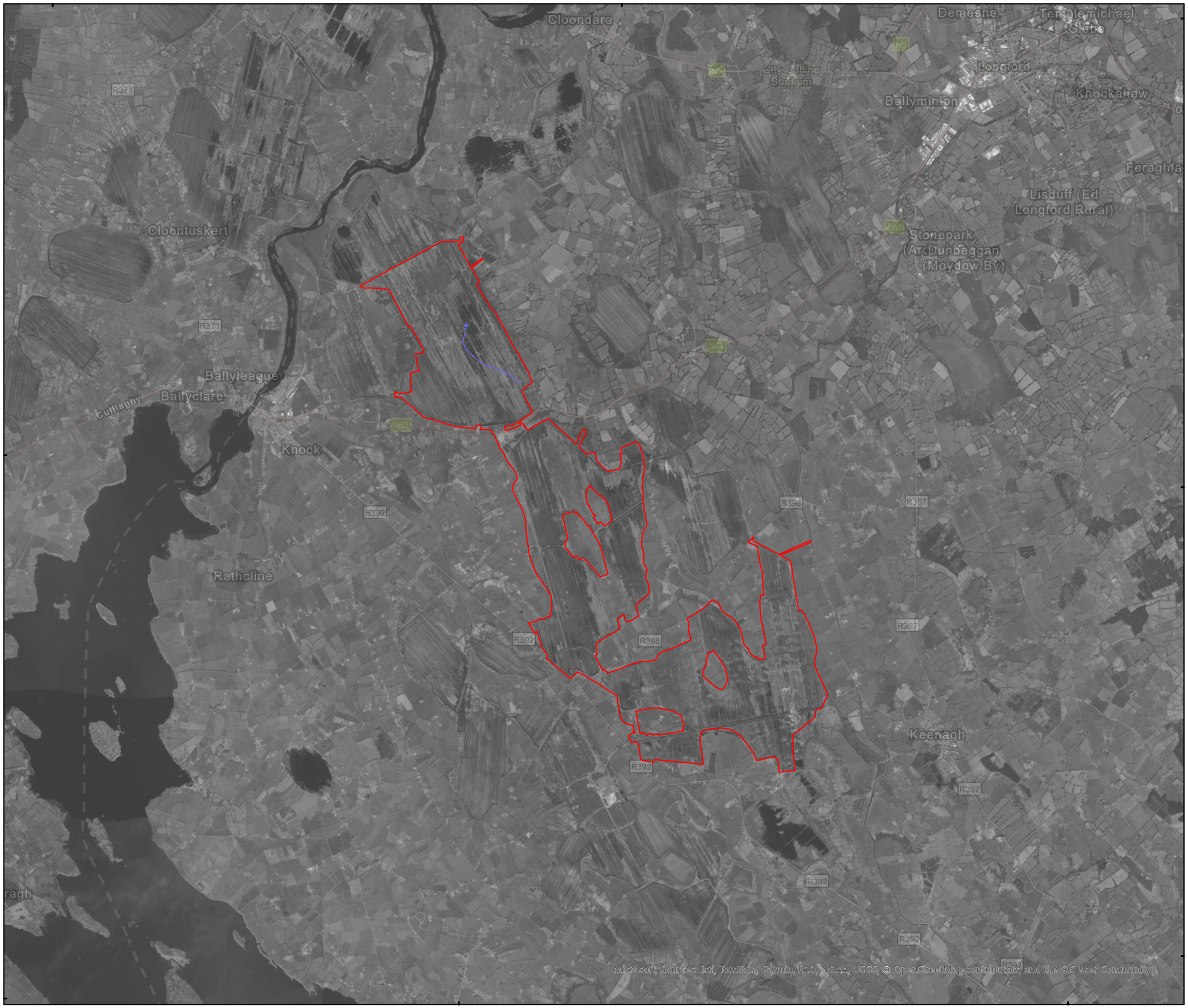
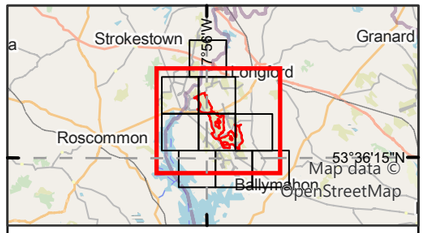
Draft: A

Appendix 8.3bbb GREATER WHITE-FRONTED GOOSE

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP4	08/10/2022	15:14	16	0	0	0	0	20

8°2'40"W
7°53'50"W
53°40'0"N
53°35'0"N
604000
614400
776000
768000
760000





Legend

Proposed wind farm site boundary

Flightline observations - Seasons

Non-breeding-22/23

0 1 2
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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Greater White-fronted Goose
Sheet 1 of 1

Scale @ A3: 1:60,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Map Ref: 11399-031.ApX-SUM-WG-TOB-A

Draft: A

Appendix 8.3ccc WHITE-TAILED EAGLE

Incidental Sightings					
Season	Date	Abundance	Notes	Breeding Code	Breeding Status
Non-breeding	25/02/2022	1	Seen very distant to the NW attacked by BZ	N/A	N/A

Appendix 8.3ddd WHOOPER SWAN

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP9	02/11/2021	08:38	2	0	30	0	0	0
Non-breeding	VP9	02/11/2021	09:44	4	38	0	0	0	0
Non-breeding	VP10	18/11/2021	14:18	5	45	10	0	0	0
Non-breeding	VP9	19/11/2021	07:52	6	14	0	0	0	0
Non-breeding	VP9	19/11/2021	08:02	6	31	0	0	0	0
Non-breeding	VP2	23/11/2021	12:35	2	0	65	0	0	0
Non-breeding	VP4	25/11/2021	08:01	2	10	30	0	0	0
Non-breeding	VP4	25/11/2021	08:10	8	50	19	0	0	0
Non-breeding	VP4	25/11/2021	08:44	5	60	14	0	0	0
Non-breeding	VP4	25/11/2021	09:29	1	0	27	0	0	0
Non-breeding	VP4	25/11/2021	09:47	4	72	0	0	0	0
Non-breeding	VP4	25/11/2021	10:14	4	75	36	0	0	0
Non-breeding	VP4	25/11/2021	11:00	3	61	0	0	0	0
Non-breeding	VP5	26/11/2021	09:23	1	15	0	0	0	0
Non-breeding	VP5	26/11/2021	10:16	2	5	0	0	0	0
Non-breeding	VP5	26/11/2021	11:48	1	9	20	0	0	0
Non-breeding	VP5	26/11/2021	12:32	7	0	103	0	0	0
Non-breeding	VP7	29/11/2021	11:19	5	16	0	0	0	0
Non-breeding	VP7	29/11/2021	15:21	6	108	0	0	0	0
Non-breeding	VP1	01/12/2021	08:32	2	30	0	0	0	0
Non-breeding	VP1	01/12/2021	09:27	2	0	56	0	0	0
Non-breeding	VP1	01/12/2021	09:58	2	0	50	0	0	0
Non-breeding	VP6	02/12/2021	12:57	1	50	0	0	0	0
Non-breeding	VP1	13/12/2021	09:35	6	6	9	0	0	0
Non-breeding	VP1	13/12/2021	09:55	6	3	12	0	0	0
Non-breeding	VP3	13/12/2021	11:26	6	50	50	0	0	0
Non-breeding	VP3	13/12/2021	11:34	3	30	40	0	0	0
Non-breeding	VP3	13/12/2021	13:39	7	0	0	0	0	180

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP3	13/12/2021	15:06	8	0	0	180	0	0
Non-breeding	VP2	14/12/2021	09:56	3	0	15	0	0	0
Non-breeding	VP5	14/12/2021	10:30	2	0	0	60	0	0
Non-breeding	VP5	14/12/2021	10:43	4	5	5	70	0	0
Non-breeding	VP5	14/12/2021	11:04	4	0	0	96	0	0
Non-breeding	VP6	16/12/2021	09:58	3	5	0	0	0	0
Non-breeding	VP6	16/12/2021	10:07	3	30	0	0	0	0
Non-breeding	VP6	16/12/2021	10:19	5	5	15	0	0	0
Non-breeding	VP6	16/12/2021	11:07	6	5	10	0	0	0
Non-breeding	VP6	16/12/2021	12:20	3	15	15	0	0	0
Non-breeding	VP6	16/12/2021	12:29	2	10	10	0	0	0
Non-breeding	VP6	16/12/2021	12:29	4	40	20	0	0	0
Non-breeding	VP1	07/01/2022	09:37	7	0	20	20	0	0
Non-breeding	VP1	07/01/2022	14:19	3	0	10	0	0	0
Non-breeding	VP8	11/01/2022	10:15	4	0	0	17	0	0
Non-breeding	VP9	12/01/2022	10:35	7	0	0	0	0	55
Non-breeding	VP9	12/01/2022	10:50	4	10	0	0	0	0
Non-breeding	VP9	12/01/2022	13:13	4	5	10	20	0	0
Non-breeding	VP3	18/01/2022	09:57	1	0	0	30	0	0
Non-breeding	VP5	25/01/2022	09:33	4	20	0	0	0	0
Non-breeding	VP1	01/02/2022	09:53	2	0	0	60	0	0
Non-breeding	VP1	01/02/2022	10:17	4	0	30	0	0	0
Non-breeding	VP3	02/02/2022	11:14	6	0	0	20	0	0
Non-breeding	VP6	25/02/2022	09:41	16	8	0	0	0	0
Non-breeding	VP6	25/02/2022	10:25	2	12	0	0	0	0
Non-breeding	VP6	25/02/2022	11:12	4	60	0	0	0	0
Non-breeding	VP6	25/02/2022	11:54	4	88	0	0	0	0
Non-breeding	VP9	02/03/2022	09:43	5	19	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP9	02/03/2022	10:31	5	9	47	0	0	0
Non-breeding	VP2	07/03/2022	10:37	7	0	0	60	0	0
Non-breeding	VP4	08/03/2022	11:51	2	10	30	50	0	0
Non-breeding	VP10	12/10/2022	10:10	5	30	0	0	0	0
Non-breeding	VP10	12/10/2022	11:25	5	30	25	0	0	0
Non-breeding	VP11	13/10/2022	08:25	6	0	0	55	0	0
Non-breeding	VP11	13/10/2022	08:51	2	65	0	0	0	0
Non-breeding	VP6	18/10/2022	09:59	13	0	12	10	0	0
Non-breeding	VP3	05/11/2022	08:35	5	0	6	0	0	0
Non-breeding	VP9	15/11/2022	11:40	5	0	60	20	0	0
Non-breeding	VP6	21/11/2022	09:16	2	5	0	0	0	0
Non-breeding	VP6	21/11/2022	11:03	1	8	0	0	0	0
Non-breeding	VP5	28/11/2022	08:59	7	7	0	0	0	0
Non-breeding	VP5	28/11/2022	09:12	12	11	0	0	0	0
Non-breeding	VP5	28/11/2022	09:28	15	15	5	0	0	0
Non-breeding	VP5	28/11/2022	10:21	2	18	0	0	0	0
Non-breeding	VP5	28/11/2022	10:26	5	9	0	0	0	0
Non-breeding	VP5	28/11/2022	14:34	4	4	3	0	0	0
Non-breeding	VP9	02/12/2022	14:41	6	170	0	0	0	0
Non-breeding	VP9	02/12/2022	14:41	4	145	0	0	0	0
Non-breeding	VP2	21/12/2022	10:27	6	2	5	0	0	0
Non-breeding	VP2	21/12/2022	11:23	2	10	0	0	0	0
Non-breeding	VP2	13/01/2023	08:51	1	7	0	0	0	0
Non-breeding	VP2	13/01/2023	09:00	6	5	6	0	0	0
Non-breeding	VP2	13/01/2023	09:25	5	4	0	0	0	0
Non-breeding	VP2	13/01/2023	09:40	5	6	0	0	0	0
Non-breeding	VP2	13/01/2023	09:55	11	11	0	0	0	0
Non-breeding	VP2	13/01/2023	10:40	1	6	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP2	13/01/2023	11:05	5	3	0	0	0	0
Non-breeding	VP2	13/01/2023	14:49	7	4	5	0	0	0
Non-breeding	VP4	16/01/2023	10:26	2	7	0	0	0	0
Non-breeding	VP4	16/01/2023	10:20	11	12	0	0	0	0
Non-breeding	VP9	16/01/2023	12:15	5	10	10	0	0	0
Non-breeding	VP9	16/01/2023	12:25	9	0	20	0	0	0
Non-breeding	VP7	19/01/2023	00:00	5	15	10	0	0	0
Non-breeding	VP7	19/01/2023	12:15	2	10	15	0	0	0
Non-breeding	VP7	19/01/2023	14:10	6	10	10	0	0	0
Non-breeding	VP7	19/01/2023	14:20	3	15	15	0	0	0
Non-breeding	VP7	19/01/2023	14:55	4	10	15	0	0	0
Non-breeding	VP7	19/01/2023	16:25	2	10	10	0	0	0
Non-breeding	VP7	19/01/2023	16:55	4	10	10	0	0	0
Non-breeding	VP7	19/01/2023	17:05	18	10	20	0	0	0
Non-breeding	VP5	20/01/2023	10:17	7	18	0	0	0	0
Non-breeding	VP5	20/01/2023	10:38	7	10	10	0	0	0
Non-breeding	VP11	20/01/2023	09:55	7	0	45	0	0	0
Non-breeding	VP11	20/01/2023	11:00	17	0	45	0	0	0
Non-breeding	VP11	20/01/2023	11:01	5	0	45	0	0	0
Non-breeding	VP9	09/02/2023	13:10	4	0	35	0	0	0
Non-breeding	VP9	09/02/2023	14:15	6	30	0	0	0	0
Non-breeding	VP9	09/02/2023	17:05	2	10	20	0	0	0
Non-breeding	VP11	13/02/2023	11:10	2	0	30	0	0	0
Non-breeding	VP4	13/02/2023	14:55	2	3	0	0	0	0
Non-breeding	VP2	17/02/2023	10:43	3	11	0	0	0	0
Non-breeding	VP2	17/02/2023	11:16	7	3	0	0	0	0
Non-breeding	VP4	21/03/2023	10:00	4	4	0	0	0	0
Non-breeding	VP2	08/11/2023	09:25	2	8	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP4	12/11/2023	10:30	4	0	7	0	0	0
Non-breeding	VP4	12/11/2023	11:11	2	16	0	0	0	0
Non-breeding	VP9	22/11/2023	08:11	5	30	15	0	0	0
Non-breeding	VP7	06/12/2023	08:40	11	0	45	0	0	0
Non-breeding	VP7	06/12/2023	08:50	13	0	50	0	0	0
Non-breeding	VP7	06/12/2023	09:05	4	0	20	0	0	0
Non-breeding	VP7	06/12/2023	09:10	6	0	20	0	0	0
Non-breeding	VP7	06/12/2023	09:55	5	0	20	0	0	0
Non-breeding	VP7	06/12/2023	14:05	4	0	25	0	0	0
Non-breeding	VP8	07/12/2023	13:40	2	0	0	35	0	0
Non-breeding	VP8	07/12/2023	13:45	6	0	30	25	0	0
Non-breeding	VP2	15/12/2023	12:03	2	6	0	0	0	0
Non-breeding	VP5	19/12/2023	11:07	5	0	5	0	0	0
Non-breeding	VP10	03/01/2024	10:50	1	15	0	0	0	0
Non-breeding	VP10	03/01/2024	11:05	1	10	0	0	0	0
Non-breeding	VP6	04/01/2024	11:05	4	0	15	0	0	0
Non-breeding	VP6	04/01/2024	12:55	2	5	10	0	0	0
Non-breeding	VP6	04/01/2024	13:30	2	30	45	0	0	0
Non-breeding	VP8	08/01/2024	10:40	7	0	40	0	0	0
Non-breeding	VP8	08/01/2024	16:10	3	0	25	0	0	0
Non-breeding	VP2	12/01/2024	09:47	3	8	0	0	0	0
Non-breeding	VP7	15/01/2024	10:25	4	0	35	0	0	0
Non-breeding	VP1	16/01/2024	15:53	3	4	0	0	0	0
Non-breeding	VP5	17/01/2024	15:07	5	3	4	0	0	0
Non-breeding	VP10	01/02/2024	10:05	2	35	25	0	0	0
Non-breeding	VP7	02/02/2024	10:40	2	5	20	0	0	0
Non-breeding	VP6	07/02/2024	12:40	3	65	0	0	0	0
Non-breeding	VP6	07/02/2024	12:45	8	60	0	0	0	0

Vantage Point (Flight)									
Season	VP	Date	Time	Abundance	Seconds in Band 1 (0-25m)	Seconds in Band 2 (26-50m)	Seconds in Band 3 (51-150m)	Seconds in Band 4 (151-200m)	Seconds in Band 5 (201+m)
Non-breeding	VP6	04/03/2024	12:30	6	25	35	0	0	0
Non-breeding	VP10	05/03/2024	12:55	20	30	40	0	0	0
Non-breeding	VP10	05/03/2024	13:40	20	65	85	0	0	0
Non-breeding	VP5	27/03/2024	11:01	1	6	0	0	0	0

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01845	Non-breeding	VP6	21/11/2022	08:00	50	GS4	Roosting	N/A	N/A
P01843	Non-breeding	VP5	28/11/2022	09:00	180	FL8	Swimming Roosting	N/A	N/A
P01860	Non-breeding	VP4	16/01/2023	09:30	8	PB4	On water	N/A	N/A
P01853	Non-breeding	VP7	19/01/2023	14:00	112	PB4	Roosting.	N/A	N/A
P01866	Non-breeding	VP9	09/02/2023	11:30	7	PB4	Roosting.	N/A	N/A
P01867	Non-breeding	VP9	09/02/2023	14:15	13	PB4	Landed.	N/A	N/A
P01869	Non-breeding	VP7	14/02/2023	11:25	11	PB4	Roosting.	N/A	N/A
P01873	Non-breeding	VP7	14/02/2023	11:25	25	PB4	Foraging.	N/A	N/A
P01887	Non-breeding	VP7	08/03/2023	13:20	14	PB4	Roosting	N/A	N/A
P05869	Non-breeding	VP7	06/12/2023	07:45	74	N/A	Roosting	N/A	N/A
P05872	Non-breeding	VP6	04/01/2024	10:35	2	N/A	Swimming	N/A	N/A
P05873	Non-breeding	VP10	01/02/2024	08:20	6	N/A	Foraging	N/A	N/A
P05874	Non-breeding	VP10	01/02/2024	08:20	7	N/A	Foraging	N/A	N/A
P05877	Non-breeding	VP10	01/02/2024	13:50	15	N/A	Foraging	N/A	N/A
P05882	Non-breeding	VP6	07/02/2024	12:40	11	N/A	Foraging	N/A	N/A
P05883	Non-breeding	VP6	07/02/2024	12:55	3	N/A	Foraging	N/A	N/A
P05884	Non-breeding	VP8	13/02/2024	11:35	117	N/A	Foraging	N/A	N/A
P05890	Non-breeding	VP10	05/03/2024	12:55	20	N/A	Swimming.	N/A	N/A
P01845	Non-breeding	VP6	21/11/2022	08:00	50	GS4	Roosting	N/A	N/A
P01843	Non-breeding	VP5	28/11/2022	09:00	180	FL8	Swimming Roosting	N/A	N/A
P01860	Non-breeding	VP4	16/01/2023	09:30	8	PB4	On water	N/A	N/A
P01853	Non-breeding	VP7	19/01/2023	14:00	112	PB4	Roosting.	N/A	N/A
P01866	Non-breeding	VP9	09/02/2023	11:30	7	PB4	Roosting.	N/A	N/A
P01867	Non-breeding	VP9	09/02/2023	14:15	13	PB4	Landed.	N/A	N/A
P01869	Non-breeding	VP7	14/02/2023	11:25	11	PB4	Roosting.	N/A	N/A

Vantage Point (Non-flight)									
Map Ref.	Season	VP	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P01873	Non-breeding	VP7	14/02/2023	11:25	25	PB4	Foraging.	N/A	N/A
P01887	Non-breeding	VP7	08/03/2023	13:20	14	PB4	Roosting	N/A	N/A
P05869	Non-breeding	VP7	06/12/2023	07:45	74	N/A	Roosting	N/A	N/A
P05872	Non-breeding	VP6	04/01/2024	10:35	2	N/A	Swimming	N/A	N/A
P05873	Non-breeding	VP10	01/02/2024	08:20	6	N/A	Foraging	N/A	N/A
P05874	Non-breeding	VP10	01/02/2024	08:20	7	N/A	Foraging	N/A	N/A
P05877	Non-breeding	VP10	01/02/2024	13:50	15	N/A	Foraging	N/A	N/A
P05882	Non-breeding	VP6	07/02/2024	12:40	11	N/A	Foraging	N/A	N/A
P05883	Non-breeding	VP6	07/02/2024	12:55	3	N/A	Foraging	N/A	N/A
P05884	Non-breeding	VP8	13/02/2024	11:35	117	N/A	Foraging	N/A	N/A
P05890	Non-breeding	VP10	05/03/2024	12:55	20	N/A	Swimming.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P01084	Breeding	Ref: 4	20/04/2022	1	Swimming on open water.	N/A	N/A
P01893	Non-breeding	Rhynmount Bog	12/10/2022	24	Foraging and roosting on wetlands.	N/A	N/A
P01967	Non-breeding	Rhynmount Bog	16/11/2022	4	Swimming on wetlands.	N/A	N/A
P01985	Non-breeding	Derrycashel Bog	16/11/2022	102	Roosting on side of wetland.	N/A	N/A
P01999	Non-breeding	Site 23	27/11/2022	7	Standing at water edge on the fllded field, sometimes walking but generally not doing much	N/A	N/A
P02006	Non-breeding	Site 4	27/11/2022	43	2 at same location as L above. 2 more on 'islands' in the turlough	N/A	N/A
P02059	Non-breeding	Rhynmount Bog	08/12/2022	4	Swimming on wetland.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02063	Non-breeding	Rhynmount Bog	08/12/2022	1	Roosting on wetlands.	N/A	N/A
P02109	Non-breeding	Site 4, Turlough at LeTergullion	27/12/2022	41	On grassy field to the south	N/A	N/A
P02119	Non-breeding	Site 4, Turlough at LeTergullion	27/12/2022	3	Flew over turlough and settled with large group of WS in field	N/A	N/A
P02120	Non-breeding	Newpark, turlough slightly to the east of Turlough Site 4 (same complex)	27/12/2022	11	On water, close to raod and away from other birds	N/A	N/A
P02186	Non-breeding	53.695868, -7.913023	13/01/2023	52	Foraging on grass field.	N/A	N/A
P02137	Non-breeding	Corlea Bog Amenity Walk	15/01/2023	2	Flew over, headind south, about 10-12 metres high	N/A	N/A
P02317	Non-breeding	Corlea Bog Amenity Walk	15/01/2023	2	Flew over, headind south, about 10-12 metres high	N/A	N/A
P02202	Non-breeding	Ref No 13	23/01/2023	6	Swimming on flooded field.	N/A	N/A
P02153	Non-breeding	Site 4, Turlough	29/01/2023	2	Swimming near CU area	N/A	N/A
P02159	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	1	Swimming with MS on west side of lough	N/A	N/A
P02161	Non-breeding	Greenhall Upper	29/01/2023	18	A few on the water, but 15 on grass, either feeding, roosting or loafing about	N/A	N/A
P02168	Non-breeding	Derrymany Bog	29/01/2023	42	N/A	N/A	N/A
P02333	Non-breeding	Site 4, Turlough	29/01/2023	2	Swimming near CU area	N/A	N/A
P02339	Non-breeding	NewPark, Clonmee, west of site 4	29/01/2023	1	Swimming with MS on west side of lough	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02341	Non-breeding	Greenhall Upper	29/01/2023	18	A few on the water, but 15 on grass, either feeding, roosting or loafing about	N/A	N/A
P02348	Non-breeding	Derrymany Bog	29/01/2023	42	N/A	N/A	N/A
P02279	Non-breeding	Ballyduff	12/02/2023	11	Generally not doing much; standing, preening, walking about, stretching	N/A	N/A
P02281	Non-breeding	Cloontaghmore	12/02/2023	34	Generally not doing much; standing, preening, walking about, stretching	N/A	N/A
P02350	Non-breeding	Ballyduff	12/02/2023	11	Generally not doing much; standing, preening, walking about, stretching	N/A	N/A
P02352	Non-breeding	Cloontaghmore	12/02/2023	34	Generally not doing much; standing, preening, walking about, stretching	N/A	N/A
P02278	Non-breeding	Bunaclay, grass field.	16/02/2023	253	Foraging on grass field.	N/A	N/A
P02295	Non-breeding	Site 4 Turlough	25/02/2023	137	On field adjacent to the field recorded in January. Roosting, Loafing, Stretching	N/A	N/A
P02301	Non-breeding	East of Site 4, Newpark	25/02/2023	8	On water in flooded field	N/A	N/A
P02311	Non-breeding	SW Derryhaun Estate	25/02/2023	38	Loafing around, roosting, preening, Stretching	N/A	N/A
P02366	Non-breeding	Site 4 Turlough	25/02/2023	137	On field adjacent to the field recorded in January. Roosting, Loafing, Stretching	N/A	N/A
P02372	Non-breeding	East of Site 4, Newpark	25/02/2023	8	On water in flooded field	N/A	N/A
P02382	Non-breeding	SW Derryhaun Estate	25/02/2023	38	Loafing around, roosting, preening, Stretching	N/A	N/A
P02461	Non-breeding	Rhynmount Bog VP2	16/03/2023	3	Flyover.	N/A	N/A
P02484	Non-breeding	Bunaclay, grass field 1.	16/03/2023	26	Foraging on grass field.	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P02485	Non-breeding	Bunaclay, grass field 2.	16/03/2023	209	Foraging on grass field.	N/A	N/A
P02386	Non-breeding	Derrylough	23/03/2023	2	Swimming on flooded area	N/A	N/A
P02401	Non-breeding	Location 4, Turlough	24/03/2023	64	SW of turlough. On field.	N/A	N/A
P04624	Breeding	Derrycashel Bog	07/07/2023	1	Swimming	N/A	N/A
P04823	Breeding	Derrycashel Bog	28/09/2023	1	Foraging	N/A	N/A
P06442	Non-breeding	N/A	14/10/2023	6	6 Whooper Swans on turlough	N/A	N/A
P06448	Non-breeding	4	14/10/2023	10	10 Whooper Swans on turlough	N/A	N/A
P06459	Non-breeding	N/A	18/10/2023	4	4 Whooper Swans on flooded area of bog	N/A	N/A
P06206	Non-breeding	Ref No: 17	13/11/2023	1	Swimming	N/A	N/A
P06210	Non-breeding	Rhynmount	13/11/2023	2	Flying/ Landed.	N/A	N/A
P06213	Non-breeding	Grass field	13/11/2023	55	Foraging	N/A	N/A
P06310	Non-breeding	N/A	27/11/2023	3	3 Whooper Swans on small lake/flooded area	N/A	N/A
P06323	Non-breeding	4	27/11/2023	35	35 Whooper Swans on turlough	N/A	N/A
P06491	Non-breeding	Grass field 1	08/12/2023	58	Foraging. 36 Landed at 8:50 coming from the north.	N/A	N/A
P06492	Non-breeding	Grass field 2	08/12/2023	4	Foraging	N/A	N/A
P06575	Non-breeding	4	18/12/2023	3	3 Whooper Swans on turlough	N/A	N/A
P06581	Non-breeding	4	18/12/2023	5	5 Whooper Swans on turlough	N/A	N/A

I-WeBS & Breeding Waders Survey							
Map Ref.	Season	Location	Date	Abundance	Notes	Breeding Code	Breeding Status
P06585	Non-breeding	N/A	21/12/2023	46	46 Whooper Swans on bog	N/A	N/A
P06586	Non-breeding	N/A	21/12/2023	2	2 Whoopers on flooded area of bog	N/A	N/A
P06588	Non-breeding	N/A	21/12/2023	1	Whooper Swan on small pond in bog.	N/A	N/A
P06639	Non-breeding	Southern half of site	02/01/2024	10	N/A	N/A	N/A
P06644	Non-breeding	Southern half of site	02/01/2024	128	N/A	N/A	N/A
P06602	Non-breeding	Ref No: 8	05/01/2024	5	N/A	N/A	N/A
P06631	Non-breeding	Grass field 1	12/01/2024	121	Foraging. 2 coloured ringed birds	N/A	N/A
P06650	Non-breeding	Southern half of site	25/01/2024	26	N/A	N/A	N/A
P06669	Non-breeding	Southern half of site	26/01/2024	29	N/A	N/A	N/A
P06713	Non-breeding	Grass field 1	14/02/2024	91	N/A	N/A	N/A
P06719	Non-breeding	Onsite	14/02/2024	3	N/A	N/A	N/A
P06721	Non-breeding	Southern half of site	19/02/2024	3	3 Whoopers on wetland	N/A	N/A
P06725	Non-breeding	Southern half of site	19/02/2024	5	5 Whoopers on wetland area of bog	N/A	N/A
P06753	Non-breeding	Southern half of site	21/02/2024	34	On Turlough	N/A	N/A
P06758	Non-breeding	Southern half of site	23/02/2024	2	2 Whooper Swans on wetland area of bog	N/A	N/A
P06810	Non-breeding	Grass field 1	08/03/2024	134	Foraging	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P02913	Non-breeding	T13	14/11/2022	07:40	26	PB4	Roosting/ Swimming.	N/A	N/A
P02915	Non-breeding	T13	14/11/2022	07:50	38	PB4	Roosting/ Landed	N/A	N/A
P02916	Non-breeding	T13	14/11/2022	08:10	6	PB4	Roosting.	N/A	N/A
P03051	Non-breeding	T20	08/12/2022	10:00	7	PB4	Swimming	N/A	N/A
P03053	Non-breeding	T20	08/12/2022	10:10	119	PB4	Roosting	N/A	N/A
P03071	Non-breeding	T4	09/12/2022	N/A	2	FL1	Swimming	N/A	N/A
P03096	Non-breeding	T5	10/12/2022	N/A	9	FL8	Swimming, Flying	N/A	N/A
P03097	Non-breeding	T5	10/12/2022	N/A	9	FL8	Flying	N/A	N/A
P03158	Non-breeding	T11	18/12/2022	N/A	3	PB4	Flying, Swimming	N/A	N/A
P03171	Non-breeding	T13	19/12/2022	08:40	1	PB4	Flyover	N/A	N/A
P03207	Non-breeding	T10	26/12/2022	N/A	2	N/A	Swimming	N/A	N/A
P03219	Non-breeding	T4	03/01/2023	N/A	11	FL1	Swimmng, Flying	N/A	N/A
P03286	Non-breeding	T1	13/01/2023	N/A	5	GA1	Flying	N/A	N/A
P03399	Non-breeding	T11	21/01/2023	N/A	14	PB4	Swimming, Standing, Flying	N/A	N/A
P03400	Non-breeding	T12	21/01/2023	N/A	74	PB4	Swimming, Feeding, Standing about	N/A	N/A
P03411	Non-breeding	T17	23/01/2023	08:55	31	PB4	Roosting	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P03426	Non-breeding	T20	23/01/2023	10:00	26	PB4	Roosting	N/A	N/A
P03428	Non-breeding	T20	23/01/2023	10:40	28	PB4	Roosting	N/A	N/A
P03467	Non-breeding	T4	04/02/2023	N/A	32	FL1	Swimming	N/A	N/A
P03596	Non-breeding	T18	14/02/2023	08:50	4	PB4	Foraging	N/A	N/A
P03630	Non-breeding	T11	15/02/2023	08:30	33	PB4	Foraging/ Roosting	N/A	N/A
P03713	Non-breeding	T4	05/03/2023	N/A	10	PB4	Swimming	N/A	N/A
P03837	Non-breeding	T18	08/03/2023	08:55	4	PB4	Foraging	N/A	N/A
P03904	Non-breeding	T12	16/03/2023	11:15	28	PB4	Foraging	N/A	N/A
P04223	Breeding	T5	05/04/2023	14:10	7	PB4	N/A	N/A	N/A
P06424	Non-breeding	T4	18/10/2023	15:30	3	PB4	Flight	N/A	N/A
P06243	Non-breeding	T17	21/11/2023	13:22	3	PB4	Swimming	N/A	N/A
P06258	Non-breeding	T4	27/11/2023	15:25	18	PB4	Swimming	N/A	N/A
P06263	Non-breeding	T4	27/11/2023	15:42	5	PB4	Swimming	N/A	N/A
P06473	Non-breeding	T20	04/12/2023	12:20	1	PB4	Dead on wetland	N/A	N/A
P06521	Non-breeding	T10	06/12/2023	14:12	3	PB4	Swimming	N/A	N/A
P06546	Non-breeding	T11	22/12/2023	10:40	26	PB4	Swimming	N/A	N/A
P05902	Non-breeding	T20	03/01/2024	12:55	3	PB4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05904	Non-breeding	T20	03/01/2024	13:25	5	PB4	N/A	N/A	N/A
P05919	Non-breeding	T5	03/01/2024	10:10	5	PB4	N/A	N/A	N/A
P05923	Non-breeding	T4	03/01/2024	10:40	3	PB4	N/A	N/A	N/A
P05929	Non-breeding	T4	03/01/2024	11:00	2	PB4	N/A	N/A	N/A
P05931	Non-breeding	T6	03/01/2024	12:28	2	PB4	N/A	N/A	N/A
P05934	Non-breeding	T16	03/01/2024	14:42	2	PB4	N/A	N/A	N/A
P05964	Non-breeding	T21	01/02/2024	11:40	12	PB4	N/A	N/A	N/A
P05965	Non-breeding	T20	01/02/2024	12:55	2	PB4	N/A	N/A	N/A
P05968	Non-breeding	T20	01/02/2024	13:05	8	PB4	N/A	N/A	N/A
P05985	Non-breeding	T4	20/02/2024	08:31	3	PB4	N/A	N/A	N/A
P05987	Non-breeding	T4	20/02/2024	09:12	5	PB4	N/A	N/A	N/A
P05999	Non-breeding	T6	23/02/2024	15:42	3	PB4	N/A	N/A	N/A
P06000	Non-breeding	T11	28/02/2024	10:52	6	PB4	N/A	N/A	N/A
P06032	Non-breeding	21	05/03/2024	10:25	6	PB4	N/A	N/A	N/A
P04987	Breeding	Transect 11	08/04/2024	14:11	3	FL8	N/A	H	Possible
P02913	Non-breeding	T13	14/11/2022	07:40	26	PB4	Roosting/ Swimming.	N/A	N/A
P02915	Non-breeding	T13	14/11/2022	07:50	38	PB4	Roosting/ Landed	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P02916	Non-breeding	T13	14/11/2022	08:10	6	PB4	Roosting.	N/A	N/A
P03051	Non-breeding	T20	08/12/2022	10:00	7	PB4	Swimming	N/A	N/A
P03053	Non-breeding	T20	08/12/2022	10:10	119	PB4	Roosting	N/A	N/A
P03071	Non-breeding	T4	09/12/2022	N/A	2	FL1	Swimming	N/A	N/A
P03096	Non-breeding	T5	10/12/2022	N/A	9	FL8	Swimming, Flying	N/A	N/A
P03097	Non-breeding	T5	10/12/2022	N/A	9	FL8	Flying	N/A	N/A
P03158	Non-breeding	T11	18/12/2022	N/A	3	PB4	Flying, Swimming	N/A	N/A
P03171	Non-breeding	T13	19/12/2022	08:40	1	PB4	Flyover	N/A	N/A
P03207	Non-breeding	T10	26/12/2022	N/A	2	N/A	Swimming	N/A	N/A
P03219	Non-breeding	T4	03/01/2023	N/A	11	FL1	Swimmng, Flying	N/A	N/A
P03286	Non-breeding	T1	13/01/2023	N/A	5	GA1	Flying	N/A	N/A
P03399	Non-breeding	T11	21/01/2023	N/A	14	PB4	Swimming, Standing, Flying	N/A	N/A
P03400	Non-breeding	T12	21/01/2023	N/A	74	PB4	Swimming, Feeding, Standing about	N/A	N/A
P03411	Non-breeding	T17	23/01/2023	08:55	31	PB4	Roosting	N/A	N/A
P03426	Non-breeding	T20	23/01/2023	10:00	26	PB4	Roosting	N/A	N/A
P03428	Non-breeding	T20	23/01/2023	10:40	28	PB4	Roosting	N/A	N/A
P03467	Non-breeding	T4	04/02/2023	N/A	32	FL1	Swimming	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P03596	Non-breeding	T18	14/02/2023	08:50	4	PB4	Foraging	N/A	N/A
P03630	Non-breeding	T11	15/02/2023	08:30	33	PB4	Foraging/ Roosting	N/A	N/A
P03713	Non-breeding	T4	05/03/2023	N/A	10	PB4	Swimming	N/A	N/A
P03837	Non-breeding	T18	08/03/2023	08:55	4	PB4	Foraging	N/A	N/A
P03904	Non-breeding	T12	16/03/2023	11:15	28	PB4	Foraging	N/A	N/A
P04223	Breeding	T5	05/04/2023	14:10	7	PB4	N/A	N/A	N/A
P06424	Non-breeding	T4	18/10/2023	15:30	3	PB4	Flight	N/A	N/A
P06243	Non-breeding	T17	21/11/2023	13:22	3	PB4	Swimming	N/A	N/A
P06258	Non-breeding	T4	27/11/2023	15:25	18	PB4	Swimming	N/A	N/A
P06263	Non-breeding	T4	27/11/2023	15:42	5	PB4	Swimming	N/A	N/A
P06473	Non-breeding	T20	04/12/2023	12:20	1	PB4	Dead on wetland	N/A	N/A
P06521	Non-breeding	T10	06/12/2023	14:12	3	PB4	Swimming	N/A	N/A
P06546	Non-breeding	T11	22/12/2023	10:40	26	PB4	Swimming	N/A	N/A
P05902	Non-breeding	T20	03/01/2024	12:55	3	PB4	N/A	N/A	N/A
P05904	Non-breeding	T20	03/01/2024	13:25	5	PB4	N/A	N/A	N/A
P05919	Non-breeding	T5	03/01/2024	10:10	5	PB4	N/A	N/A	N/A
P05923	Non-breeding	T4	03/01/2024	10:40	3	PB4	N/A	N/A	N/A

CBS & Winter Transect Survey									
Map Ref.	Season	Survey Location	Date	Time	Abundance	Dominant Habitat	Activity	Breeding Code	Breeding Status
P05929	Non-breeding	T4	03/01/2024	11:00	2	PB4	N/A	N/A	N/A
P05931	Non-breeding	T6	03/01/2024	12:28	2	PB4	N/A	N/A	N/A
P05934	Non-breeding	T16	03/01/2024	14:42	2	PB4	N/A	N/A	N/A
P05964	Non-breeding	T21	01/02/2024	11:40	12	PB4	N/A	N/A	N/A
P05965	Non-breeding	T20	01/02/2024	12:55	2	PB4	N/A	N/A	N/A
P05968	Non-breeding	T20	01/02/2024	13:05	8	PB4	N/A	N/A	N/A
P05985	Non-breeding	T4	20/02/2024	08:31	3	PB4	N/A	N/A	N/A
P05987	Non-breeding	T4	20/02/2024	09:12	5	PB4	N/A	N/A	N/A
P05999	Non-breeding	T6	23/02/2024	15:42	3	PB4	N/A	N/A	N/A
P06000	Non-breeding	T11	28/02/2024	10:52	6	PB4	N/A	N/A	N/A
P06032	Non-breeding	21	05/03/2024	10:25	6	PB4	N/A	N/A	N/A
P04987	Breeding	Transect 11	08/04/2024	14:11	3	FL8	N/A	H	Possible

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P00682	Non-breeding	HHVP4	26/10/2021	19	N/A	N/A
P00731	Non-breeding	HHVP4	24/11/2021	2	N/A	N/A
P00765	Non-breeding	HHVP4	25/01/2022	32	N/A	N/A
P06340	Non-breeding	5	22/10/2023	3	N/A	N/A
P06347	Non-breeding	6	31/10/2023	2	N/A	N/A
P06348	Non-breeding	6	31/10/2023	8	N/A	N/A

Hinterland (Raptors) Survey & Hen Harrier Roost Watch						
Map Ref.	Season	Location	Date	Abundance	Breeding Code	Breeding Status
P06350	Non-breeding	6	31/10/2023	11	N/A	N/A
P06228	Non-breeding	6	21/11/2023	2	N/A	N/A
P06229	Non-breeding	6	21/11/2023	10	N/A	N/A
P06230	Non-breeding	6	21/11/2023	2	N/A	N/A
P06231	Non-breeding	6	21/11/2023	16	N/A	N/A
P06232	Non-breeding	6	21/11/2023	32	N/A	N/A
P06233	Non-breeding	6	21/11/2023	5	N/A	N/A
P06236	Non-breeding	5	26/11/2023	23	N/A	N/A
P06462	Non-breeding	HHVP4	22/12/2023	57	N/A	N/A
P06465	Non-breeding	HHVP6	23/12/2023	11	N/A	N/A
P06466	Non-breeding	HHVP5	28/12/2023	14	N/A	N/A
P05892	Non-breeding	5	12/01/2024	21	N/A	N/A
P05894	Non-breeding	6	14/01/2024	7	N/A	N/A
P05895	Non-breeding	6	14/01/2024	11	N/A	N/A
P05897	Non-breeding	3	28/01/2024	24	N/A	N/A
P05898	Non-breeding	4	30/01/2024	27	N/A	N/A
P05962	Non-breeding	HHVP5	28/02/2024	11	N/A	N/A
P06010	Non-breeding	3	07/03/2024	7	N/A	N/A
P06014	Non-breeding	4	14/03/2024	2	N/A	N/A
P06022	Non-breeding	5	23/03/2024	9	N/A	N/A
P06027	Non-breeding	6	28/03/2024	8	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P03954	Non-breeding	12/10/2022	4	N/A	N/A
P03955	Non-breeding	12/10/2022	4	N/A	N/A
P03956	Non-breeding	12/10/2022	2	N/A	N/A
P03961	Non-breeding	13/10/2022	11	N/A	N/A
P03967	Non-breeding	14/10/2022	6	N/A	N/A
P03968	Non-breeding	14/10/2022	1	N/A	N/A
P03970	Non-breeding	14/11/2022	135	N/A	N/A
P03973	Non-breeding	15/11/2022	3	N/A	N/A
P03979	Non-breeding	27/11/2022	1	N/A	N/A

Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P03983	Non-breeding	05/12/2022	2	N/A	N/A
P03984	Non-breeding	06/12/2022	2	N/A	N/A
P03987	Non-breeding	08/12/2022	4	N/A	N/A
P03988	Non-breeding	08/12/2022	3	N/A	N/A
P03989	Non-breeding	08/12/2022	6	N/A	N/A
P03990	Non-breeding	08/12/2022	6	N/A	N/A
P03991	Non-breeding	08/12/2022	2	N/A	N/A
P03992	Non-breeding	08/12/2022	5	N/A	N/A
P03993	Non-breeding	08/12/2022	6	N/A	N/A
P03994	Non-breeding	08/12/2022	35	N/A	N/A
P03995	Non-breeding	08/12/2022	60	N/A	N/A
P03996	Non-breeding	08/12/2022	12	N/A	N/A
P03997	Non-breeding	08/12/2022	18	N/A	N/A
P04002	Non-breeding	12/12/2022	3	N/A	N/A
P04003	Non-breeding	16/12/2022	2	N/A	N/A
P04006	Non-breeding	19/12/2022	3	N/A	N/A
P04010	Non-breeding	23/12/2022	4	N/A	N/A
P04011	Non-breeding	09/01/2023	50	N/A	N/A
P04012	Non-breeding	09/01/2023	3	N/A	N/A
P04013	Non-breeding	10/01/2023	7	N/A	N/A
P04015	Non-breeding	11/01/2023	6	N/A	N/A
P04022	Non-breeding	20/01/2023	5	N/A	N/A
P04024	Non-breeding	23/01/2023	28	N/A	N/A
P04025	Non-breeding	23/01/2023	9	N/A	N/A
P04026	Non-breeding	24/01/2023	3	N/A	N/A
P04029	Non-breeding	02/02/2023	3	N/A	N/A
P04030	Non-breeding	02/02/2023	4	N/A	N/A
P04031	Non-breeding	07/02/2023	24	N/A	N/A
P04039	Non-breeding	10/02/2023	2	N/A	N/A
P04040	Non-breeding	10/02/2023	2	N/A	N/A
P04041	Non-breeding	10/02/2023	2	N/A	N/A
P04042	Non-breeding	10/02/2023	11	N/A	N/A
P04043	Non-breeding	10/02/2023	12	N/A	N/A
P04044	Non-breeding	10/02/2023	20	N/A	N/A
P04045	Non-breeding	10/02/2023	29	N/A	N/A

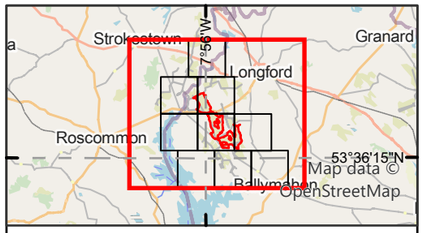
Incidental Sightings					
Map Ref.	Season	Date	Abundance	Breeding Code	Breeding Status
P04046	Non-breeding	10/02/2023	22	N/A	N/A
P04047	Non-breeding	10/02/2023	32	N/A	N/A
P04048	Non-breeding	10/02/2023	48	N/A	N/A
P04053	Non-breeding	16/02/2023	17	N/A	N/A
P04056	Non-breeding	16/02/2023	2	N/A	N/A
P04059	Non-breeding	16/02/2023	2	N/A	N/A
P04067	Non-breeding	03/03/2023	15	N/A	N/A
P04072	Non-breeding	10/03/2023	71	N/A	N/A
P04073	Non-breeding	10/03/2023	147	N/A	N/A
P04068	Non-breeding	16/03/2023	20	N/A	N/A
P04069	Non-breeding	16/03/2023	35	N/A	N/A
P04070	Non-breeding	16/03/2023	25	N/A	N/A
P06469	Non-breeding	15/12/2023	21	N/A	N/A
P06470	Non-breeding	16/12/2023	17	N/A	N/A
P06589	Non-breeding	19/12/2023	58	N/A	N/A
P06590	Non-breeding	19/12/2023	28	N/A	N/A
P06467	Non-breeding	23/12/2023	63	N/A	N/A
P06468	Non-breeding	28/12/2023	39	N/A	N/A
P06591	Non-breeding	12/01/2024	78	N/A	N/A
P06592	Non-breeding	04/02/2024	133	N/A	N/A
P06593	Non-breeding	04/02/2024	76	N/A	N/A
P06670	Non-breeding	18/02/2024	39	N/A	N/A
P06671	Non-breeding	18/02/2024	52	N/A	N/A
P06672	Non-breeding	23/02/2024	19	N/A	N/A
P06673	Non-breeding	23/02/2024	62	N/A	N/A
P06674	Non-breeding	29/02/2024	75	N/A	N/A
P06768	Non-breeding	23/03/2024	209	N/A	N/A
P06767	Non-breeding	24/03/2024	205	N/A	N/A
P06769	Non-breeding	28/03/2024	86	N/A	N/A

8°2'40"W
7°53'50"W
7°45'0"W
53°45'0"N
53°40'0"N
53°35'0"N
776000
768000
760000
593600
604000
614400

Strokestown Golf Club
Townparks (Longford By)
Enybegs
Cloonrollagh
Cloonbalt
Ballytoohey
Termonbarry
Cloongara
Longford
Feraghfad
Stonepark (Ardagh By)
Cloontuskert
Ballyleague
Knock
Keenagh
Fearagh
Knockcroghery
Galey
Lough Ree
Derrymacar Lough
Drinan
Ballymahon

Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet 6
Sheet 7
Sheet 8

R371
R194
R397
R393
R392
N5
N63
N55



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22
- Breeding-23
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24

0 1.5 3
Kilometres

NOTES

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING\
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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations Whooper Swan Overview

Scale @ A3: 1:85,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Map Ref: 11399-055.ApX-SUM-WS-TOB-

Draft: A

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7°53'50"W

53°45'0"N

604000

776000

Ballytoohey

Termonbarry

Cloondara

L1462

P02202

P04624, P04823

P01985

P06206

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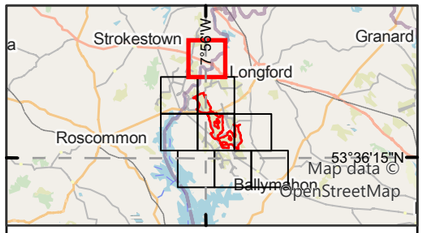

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-23

0 0.5 1

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A	16/04/2025	First issue	S.P	I.H
Rev	Date	Description	By	Chkd.

Client:

Bord na Móna

Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Whooper Swan
Sheet 1 of 8

Scale @ A3: 1:24,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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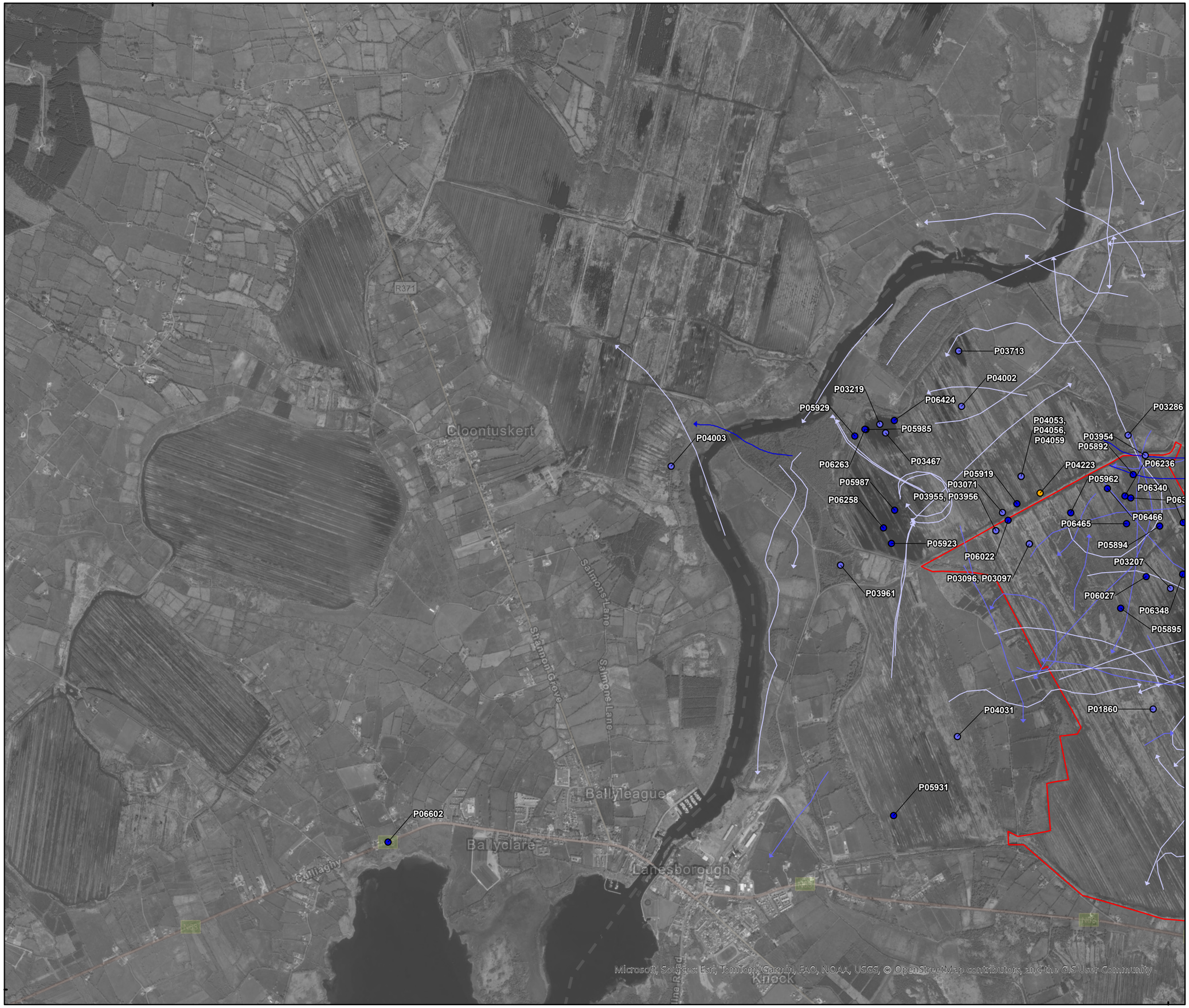
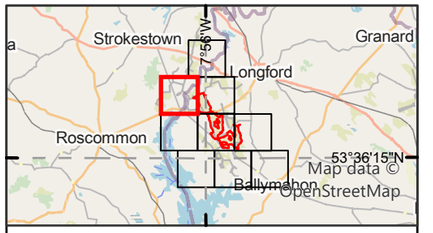
Map Ref: 11399-055.ApX-SUM-WS-TOB-A

Draft: A

8°2'40"W





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-23

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24

0 0.5 1
Kilometres

NOTES

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Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Whooper Swan
Sheet 2 of 8

Scale @ A3: 1:24,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Map Ref: 11399-055.ApX-SUM-WS-TOB-A

Draft: A

53°4'0"N

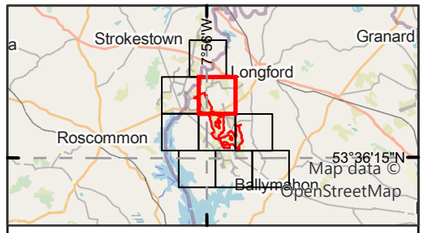
604000

7°53'50"W



53°40'0"N

604000



Legend

- Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-23

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24

0 0.5 1
Kilometres

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4. ALL LEVELS RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Rev	Date	Description	By	Chkd.
A	16/04/2025	First issue	S.P	I.H

Client: Bord na Móna

Project: Derryadd Wind Farm

Title: Flight and non-flight observations
Whooper Swan
Sheet 3 of 8

Scale @ A3: 1:24,000

Prepared by:	Checked by:	Date:
S.Pezzetta	I.Heanue	April 2025

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Map Ref: 11399-055.ApX-SUM-WS-TOB-A

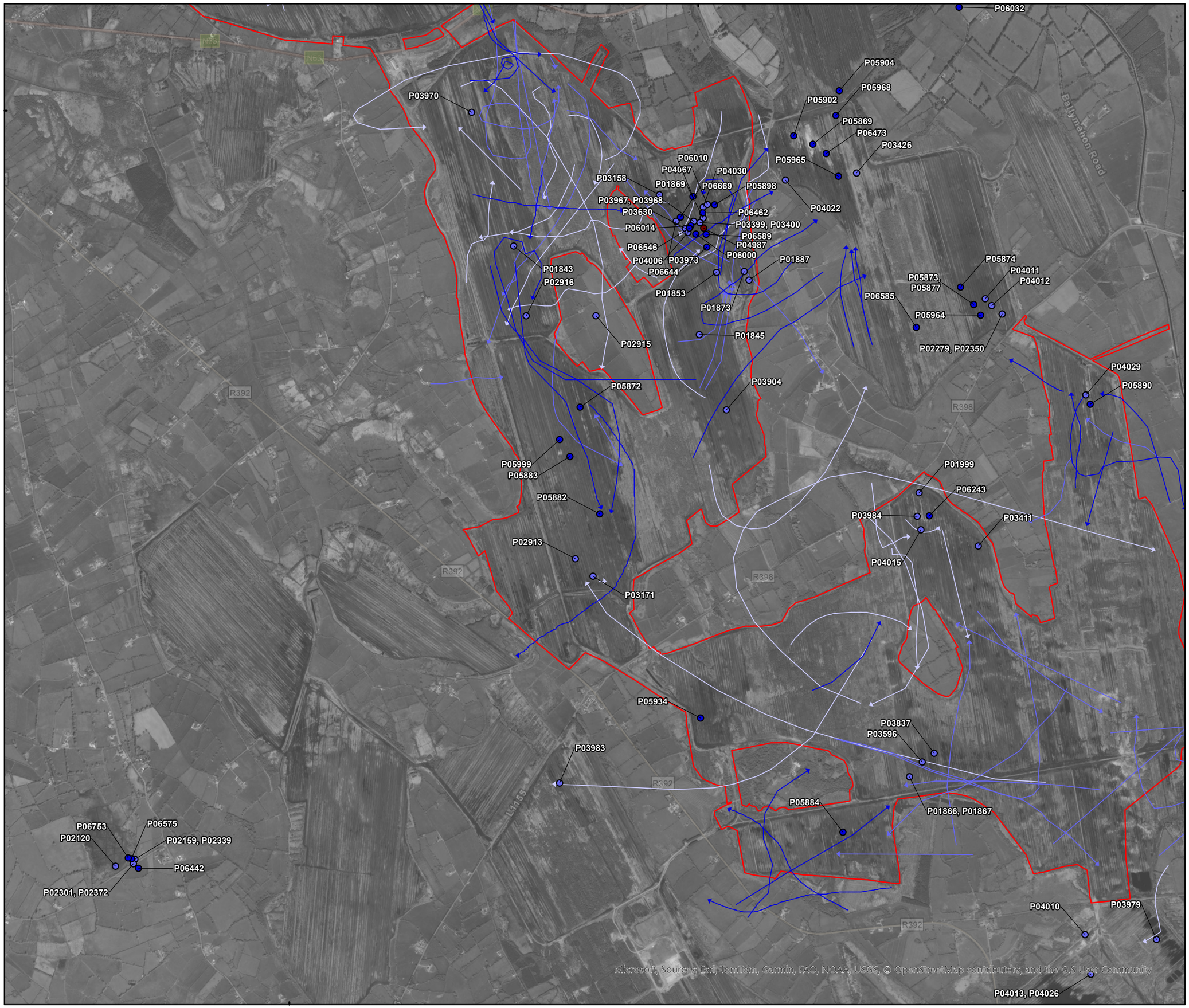
Draft: A

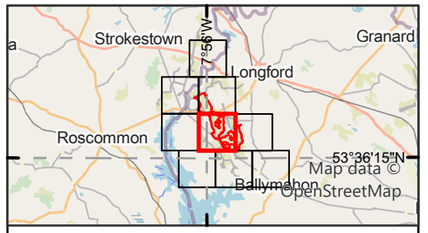
7°53'50"W

53°40'0"N

768000

604000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24

0 0.5 1
Kilometres

NOTES

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Map Ref: 11399-055.ApX-SUM-WS-TOB-A

Draft: A

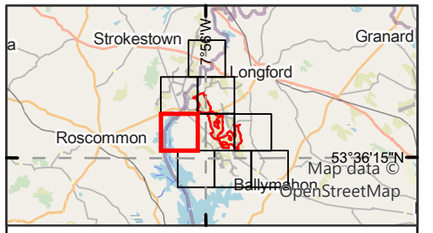
8°2'40"W

53°40'0"N

768000

604000





Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22

Flightline observations - Seasons

- Non-breeding-21/22

0 0.5 1
Kilometres

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Sheet 5 of 8

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Draft: A

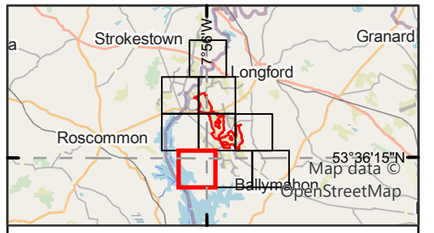
7°53'50"W

53°35'0"N

P02153, P02333, P02401
P01084
P02006
P00682, P00731, P00765
P06448
P02109, P02119
P02295, P02366
P02161, P02341
L1455
Estate Road
Lough Ree
Microsoft, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

604000

760000



Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24
- Breeding-22

Flightline observations - Seasons

- Non-breeding-23/24

0 0.5 1
Kilometres

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Project:

Derryadd Wind Farm

Title:

Flight and non-flight observations
Whooper Swan
Sheet 6 of 8

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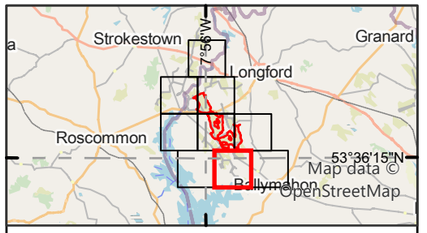

Legend

Proposed wind farm site boundary

Non-flight observations - Seasons

- Non-breeding-22/23
- Non-breeding-23/24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
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0 0.5 1
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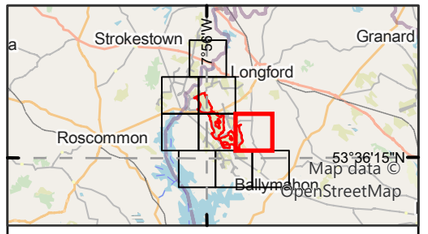

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Proposed wind farm site boundary

Non-flight observations - Seasons

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- Non-breeding-23/24

Flightline observations - Seasons

- Non-breeding-21/22
- Non-breeding-22/23
- Non-breeding-23/24

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