

Appendix 7F

Survey Effort and Results for Summer 2022 Breeding Hen Harrier and Woodcock/Nightjar Surveys, and Winter 2019/20 Waterbird Counts, MWP

Breeding Hen Harrier Surveys, Summer 2022

Survey Effort

Survey Date	Observer	Start time	Finish time	Survey Type
19/04/22	TR	10:00	16:00	To locate any nest sites and check for occupancy
19/05/22	TR	10:00	15:00	To locate incubating females
14/06/22	TR	15:45	18:45	To check for young or for evidence of breeding
15/06/22	TR	15:45	18:45	To check for young or for evidence of breeding
12/07/22	TR	12:00	18:00	To check for fledged young
03/08/22	TR	09.30	06.30	To check for fledged young

RESULTS

Survey Date	Survey Results
19/04/22	No Hen harrier activity observed
19/05/22	No Hen harrier activity observed
14/06/22	No Hen harrier activity observed
15/06/22	No Hen harrier activity observed
12/07/22	No Hen harrier activity observed
03/08/22	No Hen harrier activity observed

Breeding Woodcock/Nightjar Surveys, Summer 2022

Survey Effort

Survey Date	Observer	Start time	Finish time	Weather
09/06/2022	JK	21:30	23:30	Partly cloudy with sunny spells. Wind SW F4. Temperature 16°C. Visibility good.
16/06/2022	JK	21:30	23:30	Partly cloudy with sunny spells. Wind SE F3. Temperature 16°C. Visibility good.
29/06/2022	JK	21:35	23:35	Partly cloudy with clear spells. Wind NW F2. Temperature 12°C. Visibility good.

Results

Survey Date	Survey Results
09/06/2022	No woodcock/nightjar activity recorded.
16/06/2022	No woodcock/nightjar activity recorded.
29/06/2022	No woodcock/nightjar activity recorded.

Winter 2019/20 Waterbird Counts at the Shannon Estuary

Survey Effort Summary

Date	Observer	Start time	Finish time	Survey Type	Notes
27/12/2019	TR	10:00	12:00	Winter Waterbird Count	
12/01/2020	TR	12:00	13:00	Winter Waterbird Count	Kings Island area only
05/02/2020	TR	13:30	14:30	Winter Waterbird Count	
15/03/2020	TR	11:00	13:30	Winter Waterbird Count	

See **Figure 1**, below, for winter waterbird count locations.

Note: The winter 2019/20 waterbird counts were carried out in one stretch along the estuary from King’s Island to Cooper Hill whereas for the winter 2022/23 waterbird counts, the route was divided into four survey sections – A, B, C, and D. The results of the winter 2019/20 counts are provided in the table below, while results for the winter 2022/23 counts are presented in **Appendix 7I** in Volume 3 of the EIAR.

Results of Winter 2019/20 Waterbird Surveys – Peak Counts

Common Name	Scientific Name	<u>December 2019</u>	<u>January 2020</u>	<u>February 2020</u>	<u>March 2020</u>
Black-headed Gull	<i>Larus ridibundus</i>	165	190	242	173
Common Gull	<i>Larus canus</i>	4	2	23	8
Coot	<i>Fulica arta</i>	4	0	17	3
Cormorant	<i>Phalacrocorax carbo</i>	4	0	2	4
Great Black-backed Gull	<i>Larus marinus</i>	0	1	2	0
Grey Heron	<i>Ardea cinerea</i>	1	1	0	1
Greylag Goose	<i>Anser anser</i>	0	0	0	11
Herring Gull	<i>Larus argentatus</i>	6	1	9	21
Kingfisher	<i>Alcedo atthis</i>	0	1	1	0
Lapwing	<i>Vanellus vanellus</i>	0	51	0	0
Lesser Black-backed Gull	<i>Larus fuscus</i>	3	1	5	16
Little Egret	<i>Egretta garzetta</i>	1	0	0	2
Little Grebe	<i>Tachybaptus ruficolis</i>	0	0	0	3
Mallard	<i>Anas platyrhynchos</i>	26	1	30	39
Moorhen	<i>Gallinula chloropus</i>	0	0	4	5
Mute Swan	<i>Cygnus olor</i>	0	0	6	15
Oystercatcher	<i>Haematopus ostralegus</i>	25	25	0	76
Snipe	<i>Gallinago galinago</i>	0	155	0	0
Teal	<i>Anas crecca</i>	0	0	0	4
Tufted Duck	<i>Aythya fuligula</i>	12	0	15	2
Yellow Legged Gull	<i>Larus michahellis</i>	0	0	0	1

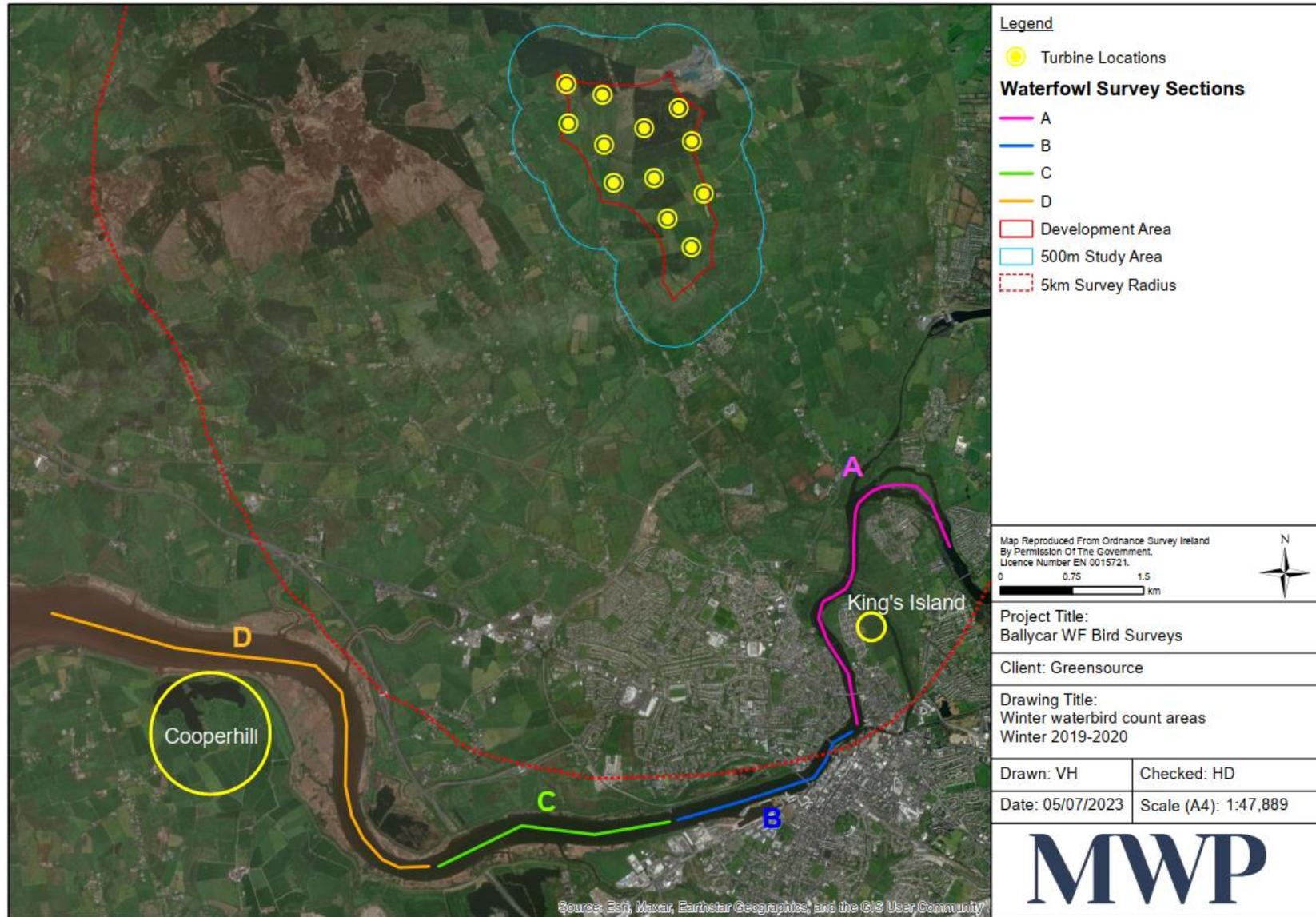


Figure 1: Locations of the wintering waterbird counts undertaken at four sections along the Shannon Estuary.