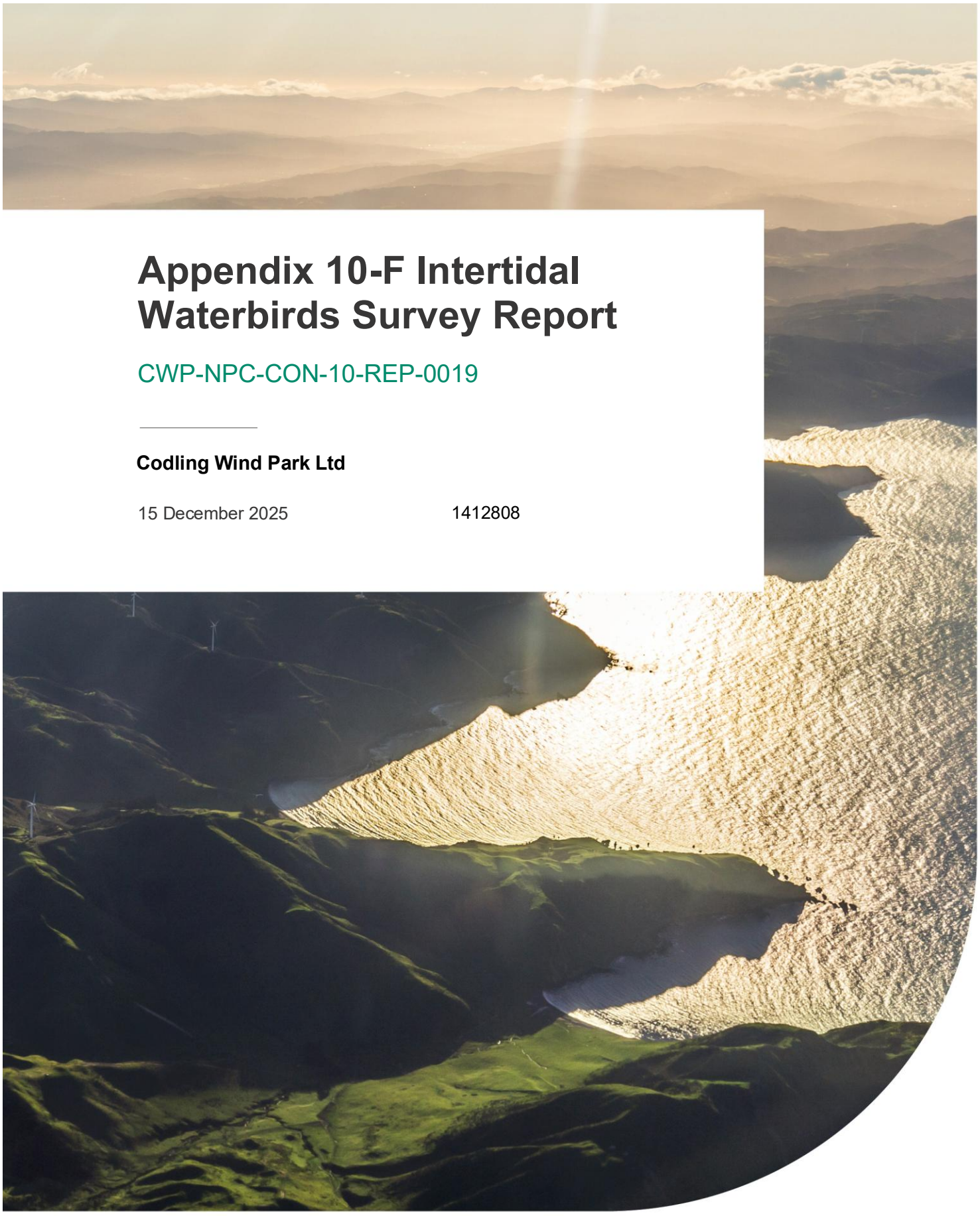
codling wind park

EIAR Addendum

Appendix 10-F Intertidal Waterbirds Survey Report 2025



Appendix 10-F Intertidal Waterbirds Survey Report

CWP-NPC-CON-10-REP-0019

Codling Wind Park Ltd

15 December 2025 1412808

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natural power

Document history

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Approved	Graeme Cook, Principal Environmental Consultant	24/04/2025

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Issue	Date	Revision Details
A	09/12/2025	First Issue to Client
B	24/04/2026	Final for issue

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Contents

1. Introduction

This document provides a summary of ornithological fieldwork undertaken in relation to the proposed landfall site for sub-sea cable infrastructure associated with the proposed Codling Wind Park (hereafter CWP) offshore wind farm (OWF). The Project would comprise up to 75 turbines, three offshore substation structures, inter-array cables, interconnector cables and offshore export and onshore export cables taking power to an onshore substation. The array site would be located approximately 13 km at its nearest point from the County Wicklow coast, Ireland. The proposed landfall location of the Project export cable route would be at Poolbeg, South Dublin Bay.

Works will be undertaken within the Irish Wetland Bird Survey (I-WeBS) survey area 'Dublin Bay South Wall to West Dun Laoghaire'. This area occurs within the South Dublin Bay and River Tolka Estuary Special Protection Area (SPA), which is designated for its wintering wader and wildfowl populations and post-breeding tern aggregations.

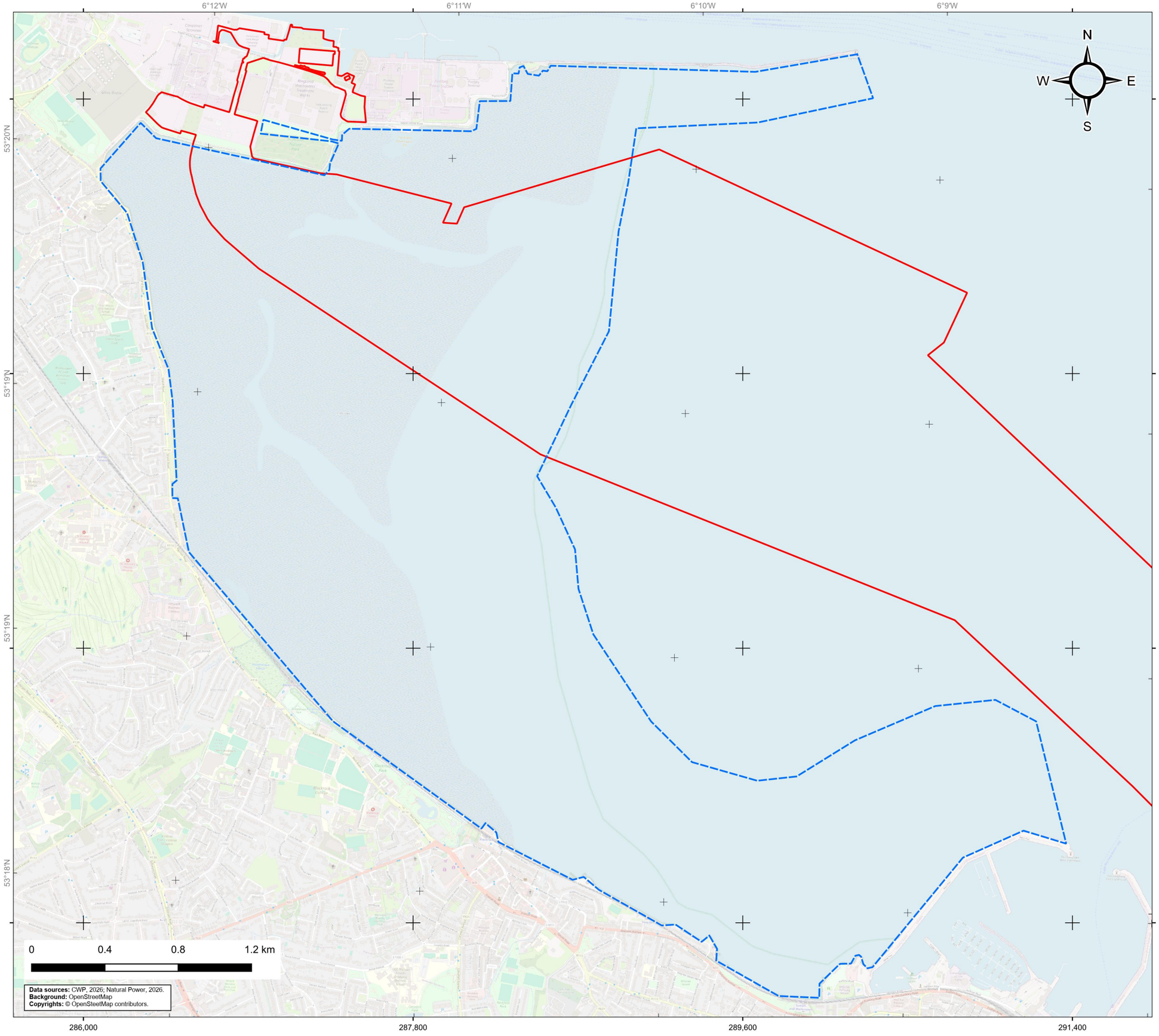
This report covers **2025 breeding and non-breeding season surveys carried out between January 2025 and October 2025, inclusive.**

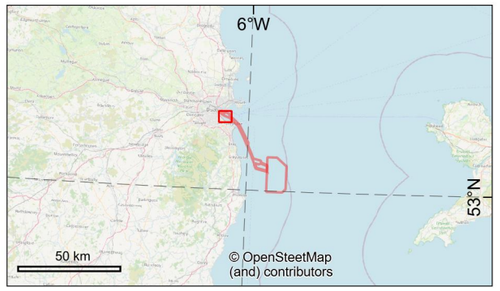
The purpose of these interim reports is as follows:

- to document compliance with health and safety procedures.
- to summarise survey effort in relation to tidal bird surveys;
- to present an overview of data collected during these surveys, including validation of the data that formed the basis of the EIAR; and

2. Survey Details

A total of 19 tidal bird surveys were scheduled to be undertaken between January and October 2025, on a twice-monthly basis, aside from January when only one survey was undertaken. Surveys aimed to capture the numbers and distributions of bird species present within the landfall survey areas. In order to record the full range of species and maximum extent of their distributions within the South Dublin Bay intertidal area, surveys were timed so that both high and low tidal states were covered within each survey area each month. A full account of the survey methodologies used during this fieldwork period is provided in the Codling Wind Park EIAR (Appendix 10.5 Offshore Ornithology Baseline Characterisation Report, Section 3.2.2.1). The survey area in relation to the landfall location is presented in **Figure 1**. November 2025 to January 2026 surveys have not been analysed on account of the timescale available, however raw counts from these surveys are provided in Annex B, below. The findings from winter 2025/26 are indicative of no material change to the ornithological baseline and further validate the baseline characterisation surveys upon which assessments have been carried out.





Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 1
Intertidal landfall survey area

CWP doc. number: CWP-NPC-ENG-08-01-MAP-0674

Internal descriptive code: PB..DLH - PAB - S.BIRD.INTERTIDAL - (EIAR.Vol.04. Ch.10.Ap.05.FIG.01.03)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
01	For FIR submission	2026/04/20	AC	FM/EA	CM

Table 2.1 below gives details of the work carried out during the survey period covered by this report.

Table 2.1: Dates of surveys and tidal states during which surveys were undertaken

Month	Date	Tidal state
January 2025	31/01/2025	High
February 2025	20/02/2025	Low
	28/02/2025	High
March 2025	14/03/2025	High
	24/03/2025	Low
April 2025	09/04/2025	High
	30/04/2025	Low
May 2025	16/05/2025	Rising
	27/05/2025	High
June 2025	11/06/2025	High
	27/06/2025	Low
July 2025	11/07/2025	High
	15/07/2025	Low
August 2025	18/08/2025	Low
	28/08/2025	High
September 2025	17/09/2025	Low
	27/09/2025	High
October 2025	22/10/2025	High
	27/10/2025	Low

3. Health and Safety Reporting

The project Risk Assessment and Method Statement (RAMS)[1] was read and signed by all surveyors.

There were no reportable incidents during the January – October 2025 survey period.

[1] Codling Wind Park Risk Assessment and Method Statement: Codling Landfall Bird Surveys. (Natural Power document number 1208031; 3rd of October 2019).

4. Survey Effort

Tidal bird surveys recorded numbers, distributions and behaviours of bird species present within the CWP landfall survey areas. Surveys were undertaken following an adapted I-WeBS methodology by experienced ornithological field surveyors.

Nineteen surveys were undertaken at Poolbeg between January and October 2025. These surveys were timed to correspond with high or low tide (one of each per month), with the exception of one survey in May, which, for logistical reasons, was undertaken on a rising tide, rather than around low tide[2] (**Table 4.1**). The dates, times, environmental conditions and tidal states captured during each survey each month are provided in **Table 4.2** and **Table 4.3**.

Table 4.1: Number of tidal states captured during the 2025 surveys

Tidal State	Poolbeg
High	9
Low	9
Rising	1
Total	18

Source: Natural Power

[2] Due to the large extent of intertidal mudflat exposed within South Dublin Bay during the first half of the rising tide cycle, this discrepancy is considered to have a negligible impact upon distributional data summarisation.

Table 4.2: Poolbeg coastal bird survey details (January – May 2025)

	January 2025	February 2025	March 2025	April 2025	May 2025
Date	**Visit 1: 31/01/25**	**Visit 1: 20/02/25**	**Visit 1: 14/03/25**	**Visit 1: 09/04/25**	**Visit 1: 16/05/25**
Tidal State	High	Low	High	High	Rising
High/Low tide times	12:49	09:47	11:55	10:23	05:10
Survey Start/End	10:45/14:45	07:47/11:47	10:25/13:55	08:53/11:53	06:38/10:38
Weather	Wind: NW-WNW Force <1-1, Visibility: 2, Cloud: 0-1/8	Wind: WSW Force 4, Visibility: 2, Cloud: 2-6/8	Wind: ENE-E Force 2-3, Visibility: 2, Cloud: 7-8/8	Wind: VAR Force <1, Visibility: 2, Cloud: 0/8	Wind: E-ESE Force 1-2, Visibility: 2, Cloud: 2-3/8
Date	**No second visit this month**	**Visit 2: 28/02/25**	**Visit 2: 24/03/25**	**Visit 2: 30/04/25**	**Visit 2: 27/05/25**
Tidal State		High	Low	Low	High
High/Low tide times		11:39	13:06	07:24	12:19
Survey Start/End		09:39/13:39	10:35/14:10	05:35/09:35	11:00/14:30
Weather		Wind: VAR Force <1, Visibility: 2, Cloud: 2-3/8	Wind: WNW Force 1-2, Visibility: 2, Cloud: 0/8	Wind: VAR Force 0-1, Visibility: 2, Cloud: 0-1/8	Wind: ESE Force 2, Visibility: 1-2, Cloud: 8/8

Table 4.3: Poolbeg coastal bird survey details (June – October 2025)

	June 2025	July 2025	August 2025	September 2025	October 2025
Date	**Visit 1: 11/06/25**	**Visit 1: 11/07/25**	**Visit 1: 18/08/25**	**Visit 1: 17/09/25**	**Visit 1: 22/10/25**
Tidal State	High	High	Low	Low	High
High/Low tide times	12:33	12:57	13:31	14:50	12:51
Survey Start/End	11:03/14:15	11:31/14:31	12:00/15:20	13:20/16:20	11:24/15:30
Weather	Wind: ESE Force 2-3, Visibility: 2, Cloud: 0-/8	Wind: ESE Force 1-2, Visibility: 2, Cloud: 0/8	Wind: SE Force 2-3, Visibility: 2, Cloud: 3-5/8	Wind: WSW Force 2, Visibility: 2, Cloud: 3/8	Wind: Force 1, Visibility: 2, Cloud: 3/8
Date	**Visit 2: 27/06/25**	**Visit 2: 15/07/25**	**Visit 2: 28/08/25**	**Visit 2: 26/09/25**	**Visit 2: 27/10/25**
Tidal State	Low	Low	High	High	Low
High/Low tide times	07:09	08:59	15:29	14:49	08:06
Survey Start/End	05:43/09:43	07:30/11:30	14:00/16:30	13:30/16:30	06:30/10:30
Weather	Wind: SSW-SW Force 3-4, Visibility: 2, Cloud: 6-7/8	Wind: WSW-SW Force 2, Visibility: 2, Cloud: 6-8/8	Wind: WSW Force 2-3, Visibility: 2, Cloud: 7/8	Wind: SE Force 2, Visibility: 2, Cloud: 1-2/8	Wind: Force 3, Visibility: 2, Cloud: 5/8

5. Survey Observations

The following section gives summaries of data relating to the numbers of birds, disturbance events and birds of prey present during January to October 2025 survey visits. Tidal bird surveys recorded the numbers and distributions of birds using the coastline, along with their behaviours and locations with relation to Mean High Water Springs (MHWS) (i.e. terrestrial, supratidal, intertidal or subtidal).

5.1.1. Total Counts

Total numbers of each bird species recorded within the Poolbeg survey area during January to October survey visits are provided in **Table 5.1** and **Table 5.2**. Species in bold are key ornithological features (i.e. designated features of the South Dublin Bay SPA or listed under Annex I of the European Birds Directive[3]). The distribution of each of these species within the intertidal survey area in relation to intertidal cable route scenarios are presented in Annex A.

[3] https://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2010:020:0007:0025:EN:PDF

Table 5.1: January – May 2025 survey species counts

Month	January	February		March		April		May	
Visit	Visit 1	Visit 1	Visit 2	Visit 1	Visit 2	Visit 1	Visit 2	Visit 1	Visit 2
Light-bellied Brent Goose	21	141	237	59	129	178	0	0	0
Shelduck	5	4	8	16	35	2	16	17	2
Mallard	2	0	26	6	0	9	0	10	4
Teal	92	0	109	46	5	0	0	0	0
Common scoter	22	4	0	2	0	0	0	0	0
Red-breasted Merganser	26	6	27	4	24	2	0	0	0
Moorhen	0	0	0	0	0	0	1	0	0
Little grebe	0	0	0	0	0	0	0	0	0
Red-necked Grebe	0	0	1	0	0	0	0	0	0
Great crested grebe	227	18	84	17	90	2	0	0	1
Oystercatcher	34	561	635	813	1473	572	664	132	98
Golden plover	32	0	9	0	0	0	0	0	0
Grey plover	0	21	0	0	3	0	0	0	0
Ringed plover	73	18	11	12	24	3	9	4	0
Curlew	2	54	46	87	108	52	3	0	7
Bar-tailed Godwit	249	1801	782	0	27	11	2	0	0
Black-tailed Godwit	0	1884	1250	1127	1116	0	0	0	0
Turnstone	56	55	65	49	32	60	27	5	19
Knot	18	2887	850	0	1	0	0	0	0

Month	January	February		March		April		May	
Visit	Visit 1	Visit 1	Visit 2	Visit 1	Visit 2	Visit 1	Visit 2	Visit 1	Visit 2
Sanderling	0	85	30	0	0	0	0	0	0
Dunlin	67	1640	571	0	15	0	0	0	0
Common sandpiper	0	0	0	0	0	0	0	0	0
Redshank	92	60	4	48	13	78	30	6	8
Greenshank	4	4	0	0	0	0	1	0	0
Kittiwake	0	0	0	17	0	0	0	0	0
Black-headed gull	1812	947	985	886	581	665	155	41	130
Mediterranean gull	0	0	1	0	0	0	2	0	0
Common gull	42	19	121	50	23	9	95	2	10
Great black-backed gull	6	22	7	5	45	2	83	30	4
Herring gull	34	387	53	38	791	11	2639	974	163
Lesser black-backed gull	0	0	1	0	20	0	21	15	0
Sandwich tern	0	0	0	0	3	34	53	4	0
Roseate tern	0	0	0	0	0	0	0	0	0
Common tern	0	0	0	0	0	0	1	0	15
Arctic tern	0	0	0	0	0	0	0	0	3
Common/Arctic tern	0	0	0	0	0	0	4	0	0
Guillemot	0	3	2	1	6	0	2	1	0
Razorbill	1	0	0	1	0	0	0	0	0
Black guillemot	3	4	5	4	5	2	4	0	4
Red-throated Diver	6	4	0	4	0	0	0	0	0

Month	January	February		March		April		May	
Visit	Visit 1	Visit 1	Visit 2	Visit 1	Visit 2	Visit 1	Visit 2	Visit 1	Visit 2
Black-throated diver	1	0	1	0	0	0	0	0	0
Great northern diver	1	0	0	1	0	0	0	0	0
Gannet	0	0	0	0	4	0	0	0	0
Cormorant	5	2	4	4	20	5	5	1	10
Shag	161	3	290	2	8	33	5	2	3
Grey heron	2	2	5	0	0	2	5	5	2
Little egret	0	1	3	0	2	0	20	17	0
Buzzard	1	0	0	0	0	0	0	0	0
Kingfisher	0	1	1	0	0	0	0	0	0
Peregrine	0	0	0	0	0	0	0	0	0

Source: Natural Power

Table 5.2: June – October 2025 survey species counts

Month	June		July		August		September		October	
Visit	Visit 1	Visit 2	Visit 1	Visit 2	Visit 1	Visit 2	Visit 1	Visit 2	Visit 1	Visit 2
Light-bellied brent goose	0	0	0	0	0	0	0	26	35	244
Shelduck	2	13	2	4	2	0	0	0	0	0
Mallard	1	0	0	1	0	0	0	11	0	0
Teal	0	0	2	0	0	0	0	12	0	0
Common scoter	0	0	0	0	0	0	0	0	2	0
Red-breasted merganser	0	0	0	0	0	0	3	9	7	5
Moorhen	0	0	0	0	0	0	0	0	0	0
Little grebe	0	0	0	0	1	0	0	0	0	0
Red-necked grebe	0	0	0	0	0	0	0	0	0	0
Great crested grebe	0	0	0	0	0	6	5	8	3	8
Oystercatcher	633	158	1117	444	399	226	56	700	1741	47
Golden plover	0	0	0	0	0	0	0	0	1000	0
Grey plover	0	0	0	0	0	0	0	0	0	0
Ringed plover	0	23	0	9	12	0	12	0	0	38
Curlew	0	10	0	53	39	79	5	7	0	43
Bar-tailed godwit	0	0	6	0	147	0	519	480	400	0
Black-tailed godwit	0	1	0	198	1364	0	133	0	0	38
Turnstone	7	6	10	11	11	16	31	9	20	40
Knot	0	0	0	0	0	0	350	0	1700	0
Sanderling	0	0	0	0	57	0	37	0	0	106

Month	June		July		August		September		October	
Visit	Visit 1	Visit 2	Visit 1	Visit 2	Visit 1	Visit 2	Visit 1	Visit 2	Visit 1	Visit 2
Dunlin	0	0	0	0	0	0	4	0	600	118
Common sandpiper	0	0	0	2	0	0	0	0	0	0
Redshank	0	15	0	211	74	0	0	0	280	58
Greenshank	0	5	4	59	20	0	0	0	0	1
Kittiwake	0	0	0	0	16	0	0	0	0	0
Black-headed gull	81	499	523	1064	646	1443	537	99	606	27
Mediterranean gull	1	4	21	44	4	0	0	0	0	0
Common gull	2	22	75	51	31	2	1	0	11	0
Great black-backed gull	2	60	23	76	31	6	8	4	4	2
Herring gull	172	850	292	639	1729	36	188	27	19	245
Lesser black-backed gull	1	10	16	30	94	8	0	2	0	4
Sandwich tern	0	1	8	2	26	13	1	0	0	0
Roseate tern	0	0	1	0	0	0	0	0	0	0
Common tern	15	18	28	1	111	0	0	0	1	0
Arctic tern	0	0	5	0	30	0	0	0	0	0
Common/Arctic tern	0	0	27	0	0	0	0	0	0	0
Guillemot	0	0	0	0	0	14	0	0	1	0
Razorbill	0	0	0	0	0	5	0	0	0	0
Black guillemot	8	4	1	5	2	0	3	1	2	3
Red-throated diver	0	0	0	0	0	0	0	3	4	2
Black-throated diver	0	0	0	0	0	0	0	0	0	0

Month	June		July		August		September		October	
Visit	Visit 1	Visit 2	Visit 1	Visit 2	Visit 1	Visit 2	Visit 1	Visit 2	Visit 1	Visit 2
Great northern diver	0	0	0	0	0	0	0	0	0	0
Gannet	0	0	0	0	0	0	0	0	0	0
Cormorant	3	5	1	14	14	27	12	21	14	14
Shag	1	2	1	2	0	35	19	6	5	9
Grey heron	3	2	3	3	0	1	0	1	0	3
Little egret	5	11	3	27	3	4	0	0	0	10
Buzzard	0	0	0	0	0	0	0	0	0	0
Kingfisher	0	0	0	0	0	0	0	0	0	0
Peregrine	0	2	0	0	0	1	0	0	0	0

Source: Natural Power

5.1.2. Disturbance

Surveyors recorded all potential anthropogenic disturbance events, regardless of whether or not birds responded to the source of the disturbance.

Spatial data relating to both anthropogenic and natural disturbance events have also been recorded, with a view to profiling disturbance levels at the Poolbeg survey area. Over the course of the survey period, the continued collection of disturbance data has allowed for increasingly accurate conclusions that the South Dublin Bay area is subject to high levels of anthropogenic disturbance. The intertidal waterbirds which occupy these areas show a high degree of habituation to these disturbance events, and as such exhibit little ecological responses.

6. Conclusions

- 19 surveys of the landfall area were undertaken during 2025 between late January and October, inclusive.
- Raw data from a further five survey visits (November 2025 to January 2026) are provided in **Annex B**, below.
- No health and safety incidents were recorded during this work.
- High and low tidal states have been accounted for in the descriptions of species numbers and spatial variation presented.
- Gulls, followed by waders were the most frequently recorded species groups at the Poolbeg survey area during 2025 tidal landfall surveys;
- Coastal surveys recorded a range of species that can typically be expected to be present on the habitats available at the Poolbeg survey area; and
- Levels of anthropogenic disturbance within the survey area during surveys undertaken in 2025 are characterised as high;
- These survey data are directly comparable with previous intertidal surveys reported in the Baseline Technical Appendix of the EIAR (**EIAR Appendix 10.5**). As such the data validate, support and corroborate the data which accompany the Volume 3, Chapter 10: Ornithology of the EIAR, on which the assessment was based.

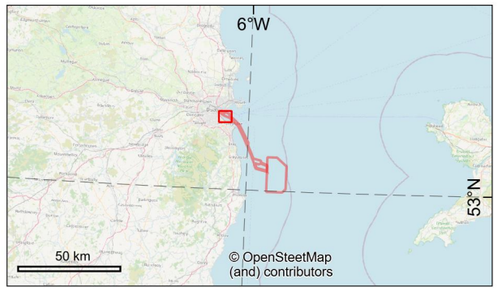
Annexes

A. Distribution and Proportion of Species Present

The following figures show the distribution of birds observed during all tidal states during the 2025 surveys at Poolbeg:

- Figure 2: Distribution of light-bellied brent goose recorded during the 2025 surveys
- Figure 3: Distribution of shelduck recorded during the 2025 surveys
- Figure 4: Distribution of teal recorded during the 2025 surveys
- Figure 5: Distribution of common scoter recorded during the 2025 surveys
- Figure 6: Distribution of red-breasted merganser recorded during the 2025 surveys
- Figure 7: Distribution of red-throated diver recorded during the 2025 surveys
- Figure 8: Distribution of great crested grebe recorded during the 2025 surveys
- Figure 9: Distribution of grey heron recorded during the 2025 surveys
- Figure 10: Distribution of little egret recorded during the 2025 surveys
- Figure 11: Distribution of shag recorded during the 2025 surveys
- Figure 12: Distribution of cormorant recorded during the 2025 surveys
- Figure 13: Distribution of oystercatcher recorded during the 2025 surveys
- Figure 14: Distribution of golden plover recorded during the 2025 surveys
- Figure 15: Distribution of grey plover recorded during the 2025 surveys
- Figure 16: Distribution of ringed plover recorded during the 2025 surveys
- Figure 17: Distribution of curlew recorded during the 2025 surveys
- Figure 18: Distribution of bar-tailed godwit recorded during the 2025 surveys
- Figure 19: Distribution of black-tailed godwit recorded during the 2025 surveys
- Figure 20: Distribution of turnstone recorded during the 2025 surveys
- Figure 21: Distribution of knot recorded during the 2025 surveys
- Figure 22: Distribution of sanderling recorded during the 2025 surveys
- Figure 23: Distribution of dunlin recorded during the 2025 surveys
- Figure 24: Distribution of redshank recorded during the 2025 surveys
- Figure 25: Distribution of greenshank recorded during the 2025 surveys
- Figure 26: Distribution of black-headed gull recorded during the 2025 surveys
- Figure 27: Distribution of Mediterranean gull recorded during the 2025 surveys
- Figure 28: Distribution of common gull recorded during the 2025 surveys
- Figure 29: Distribution of herring gull recorded during the 2025 surveys
- Figure 30: Distribution of great black-backed gull recorded during the 2025 surveys
- Figure 31: Distribution of lesser black-backed gull recorded during the 2025 surveys
- Figure 32: Distribution of black guillemot recorded during the 2025 surveys

6°12'W
6°11'W
6°10'W
6°9'W
53°20'N
53°19'N
53°18'N
5,914,700
5,913,200
5,911,700
5,910,200
286,000
287,800
289,600
291,400
N
W
E
S
0
0.4
0.8
1.2 km
Data sources: CWP, 2026; Natural Power, 2026; National Marine Planning Framework (NMPF), 2026; National Parks & Wildlife Service (NPWS), 2026.
Background: ESRI
Copyrights: Contains Irish Public Sector Data licensed under a CC BY 4.0 International licence; ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (light-bellied brent goose)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 2
Distribution of light-bellied brent goose recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1620

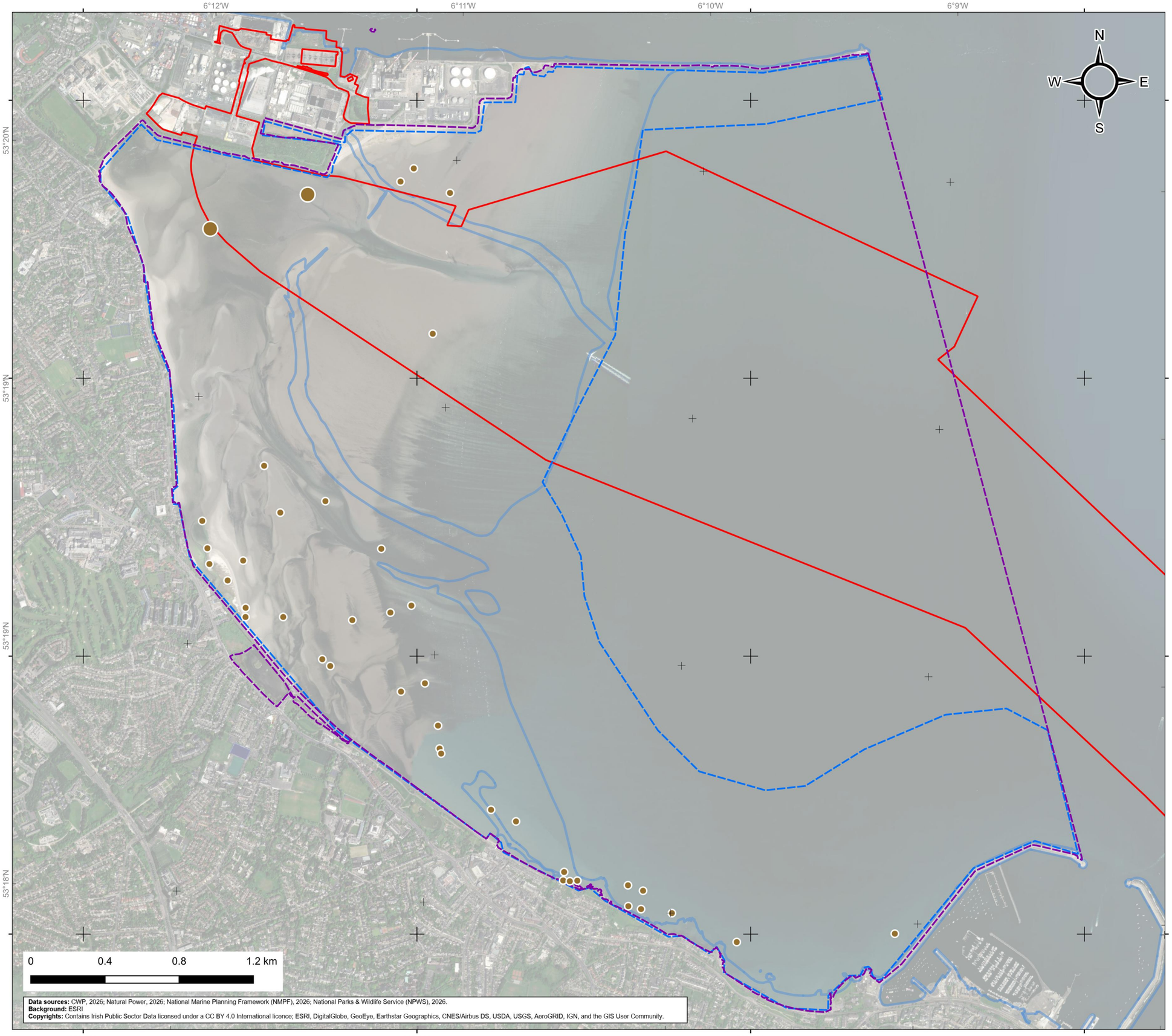
Internal descriptive code: PB_DLH - PAB_LF4_IB - MLWS_LIGHT.BELL.BRENT.GOOSE.DENS._S.BIRD.INTERTIDAL_S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04. Ch.10.Ap.05.FIG.05-02)

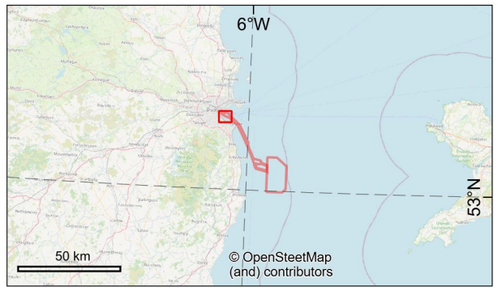
Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
01	For FIR submission	2026/04/20	AC	FM/EA	CM





Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (shelduck)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

Data sources: CWP, 2026; Natural Power, 2026; National Marine Planning Framework (NMPF), 2026; National Parks & Wildlife Service (NPWS), 2026.
Background: ESRI

codling wind park

Project: Codling Wind Park

Contractor: www.naturalpower.com natural power

Figure 3
Distribution of shelduck recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1161

Internal descriptive code: PB..DLH - PAB..LF4.IB - MLWS..SHELDUCK.DENS..S.BIRD.INTERTIDAL..S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.04)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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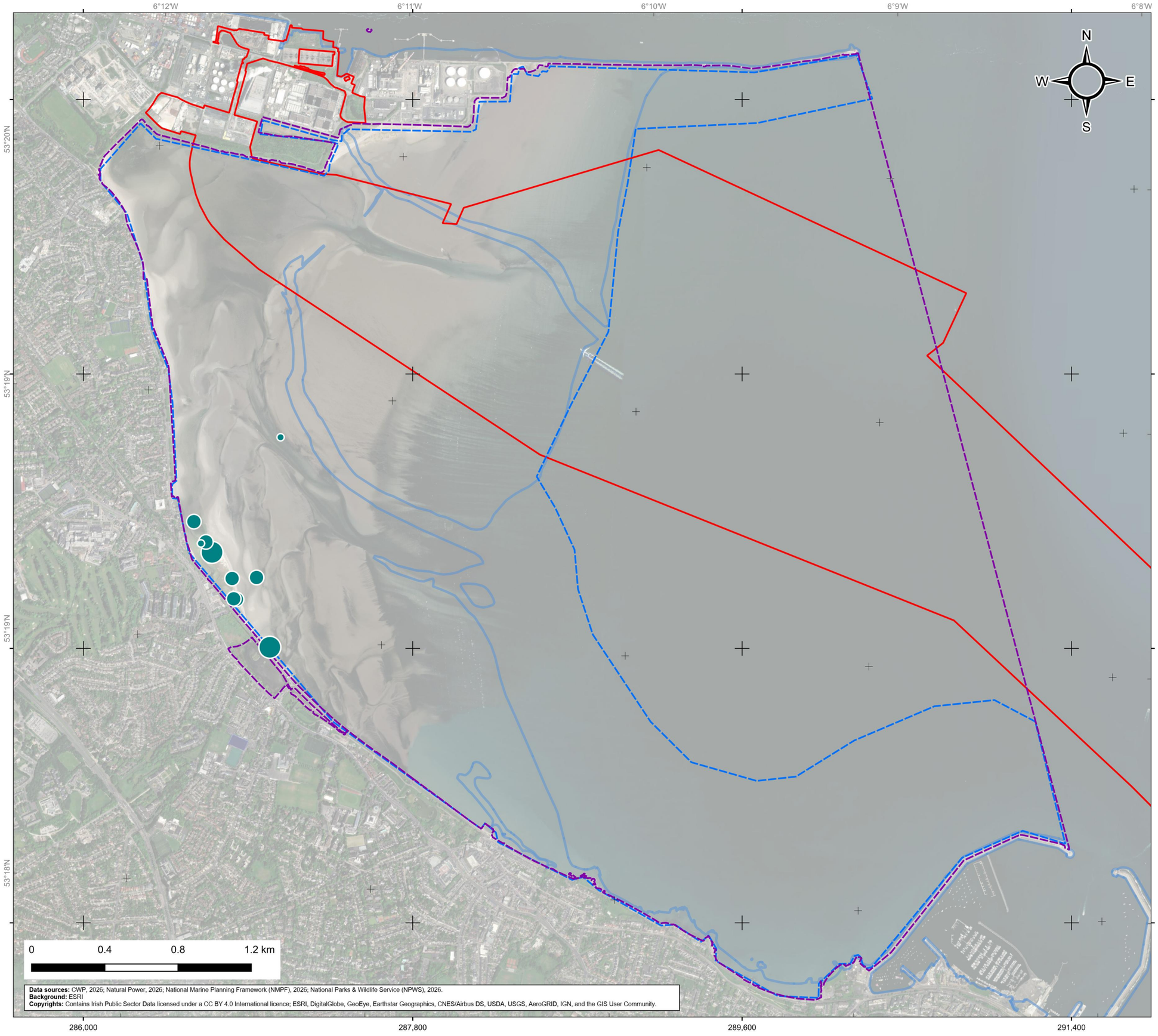

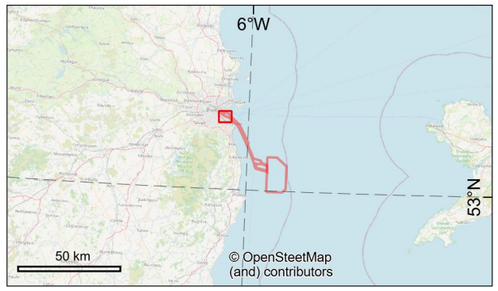

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (teal)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

Data sources: CWP, 2026; Natural Power, 2026; National Marine Planning Framework (NMPF), 2026; National Parks & Wildlife Service (NPWS), 2026.
Background: ESRI

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 4
Distribution of teal recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1646

Internal descriptive code: PB..DLH - PAB..LF4.IB - MLWS..TEAL.DENS..S.BIRD.INTERTIDAL..S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.07)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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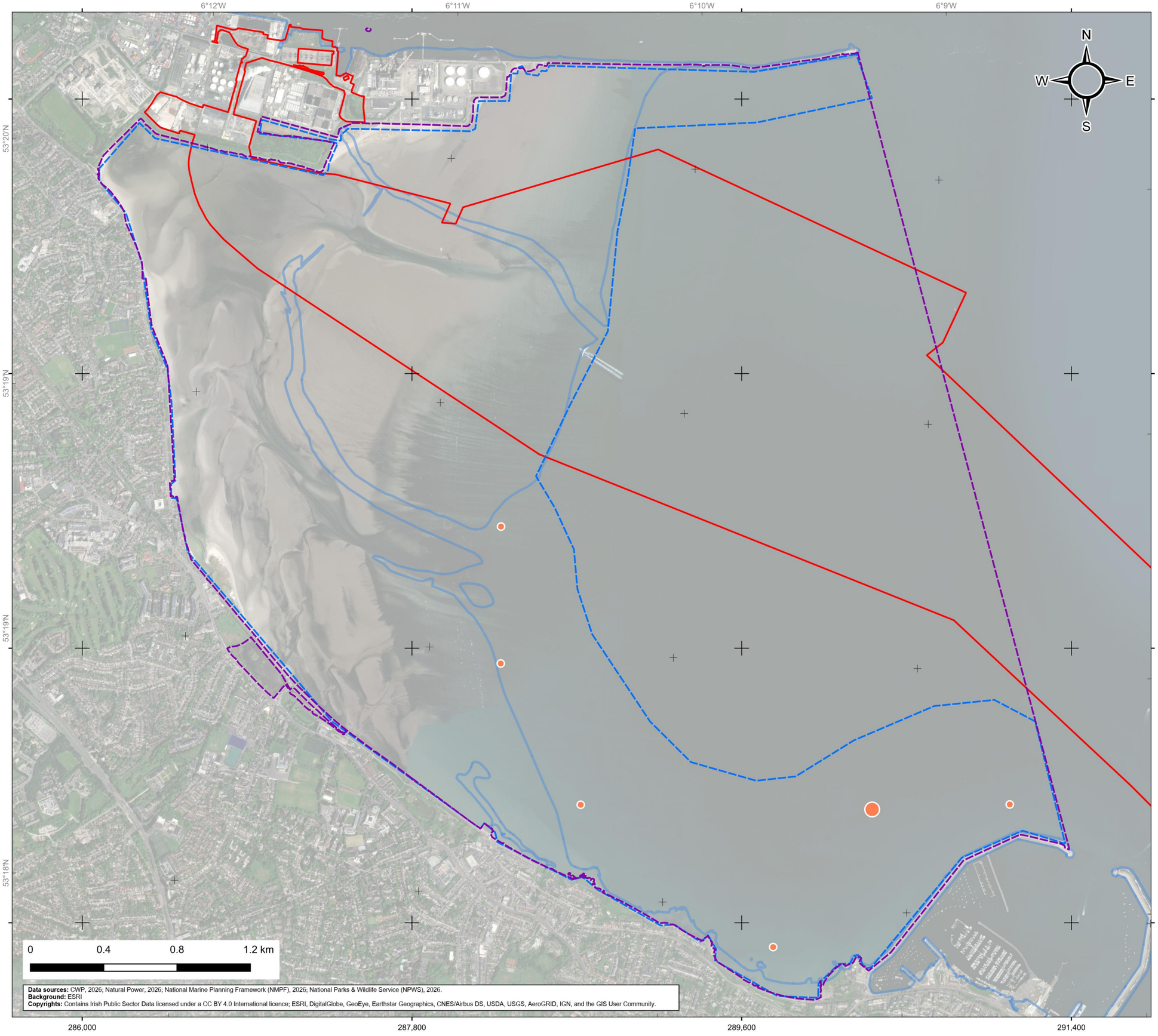

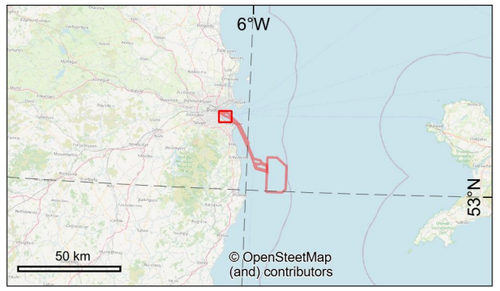

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (common scoter)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 5
Distribution of common scoter recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1648

Internal descriptive code: PB_DLH - PAB_LF4.IB - COMMON.SCOTER.DENS. MLWS_S.BIRD. INTERTIDAL_S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10. Ap.05.FIG.05.09)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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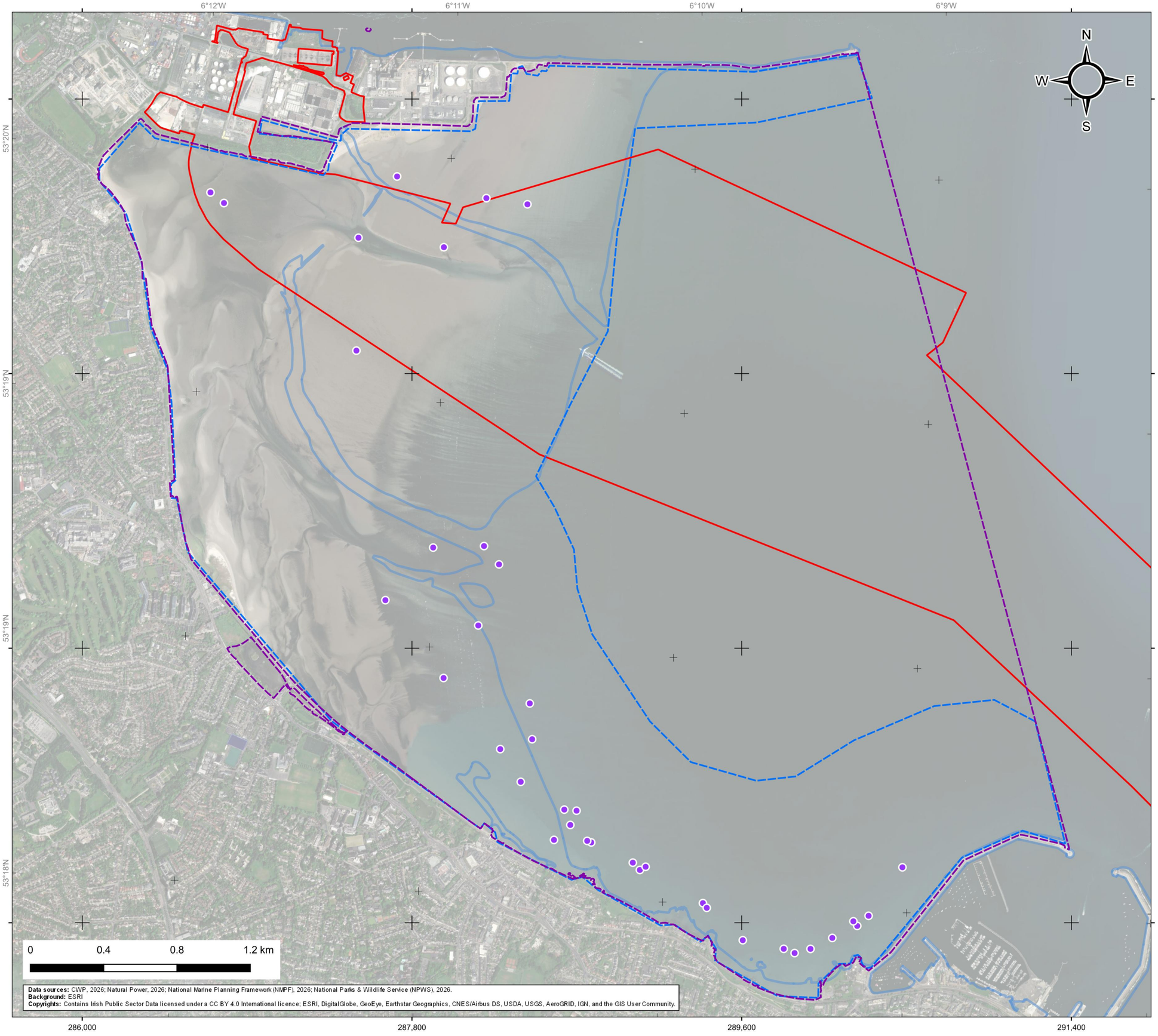

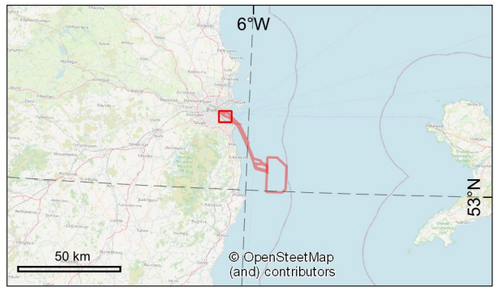

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (red-breasted merganser)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 6
Distribution of red-breasted merganser recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-0678

Internal descriptive code: PB_DLH - PAB_LF4.IB - MLWS_RED.BREAST.MERGANSER.DENS_S.BIRD.INTERTIDAL_S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.11)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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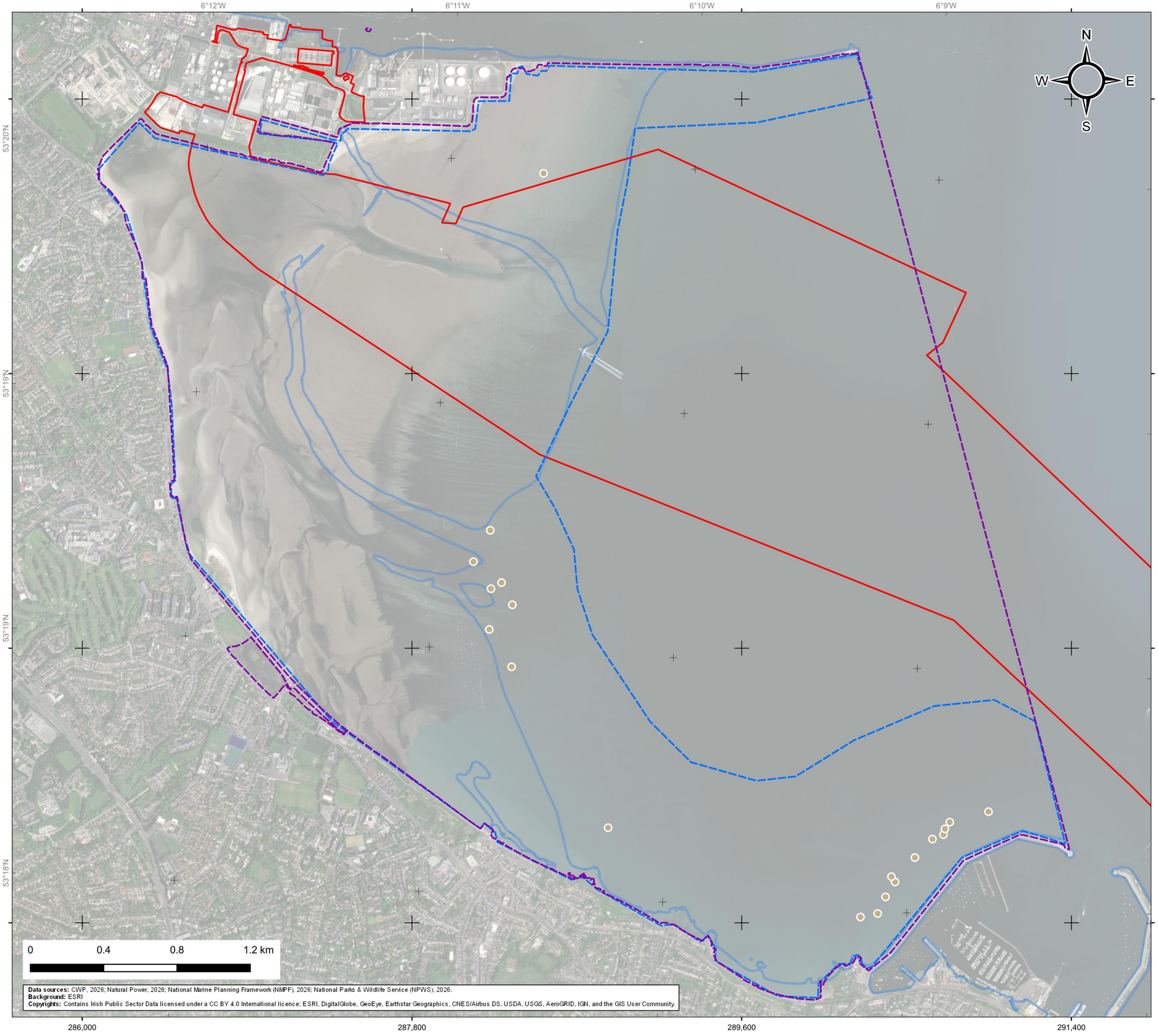

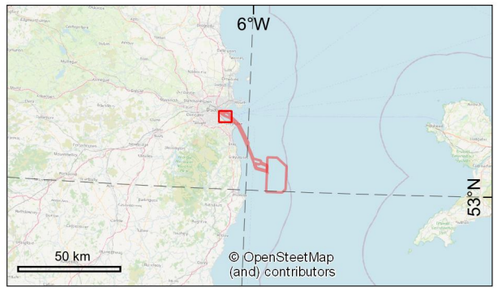

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (red-throated diver)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 7
Distribution of red-throated diver recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-0679

Internal descriptive code: PB..DLH - PAB..LF4.IB - MLWS..RED.THROAT.DIVER.DENS..S.BIRD.INTERTIDAL..S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.13)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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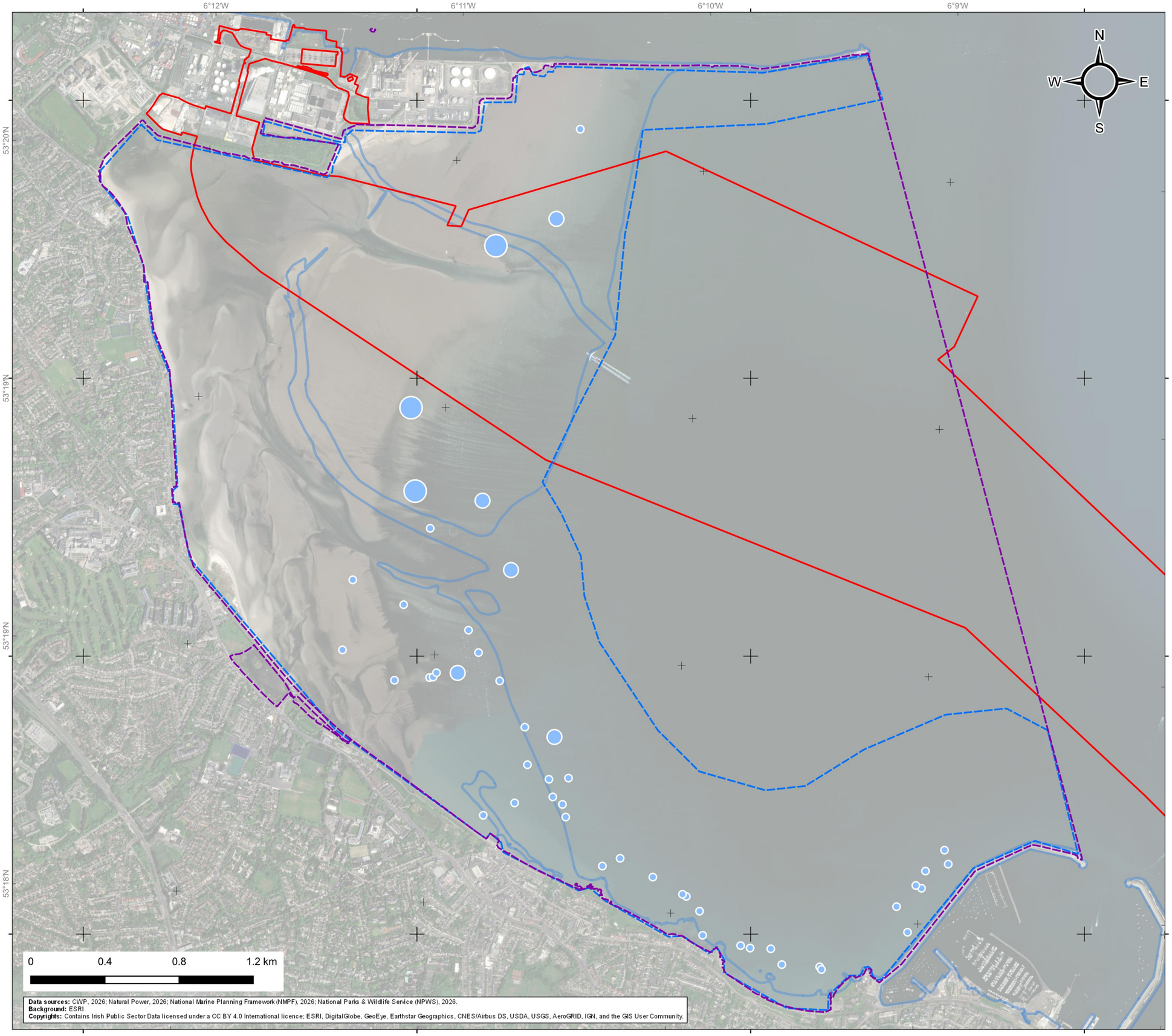
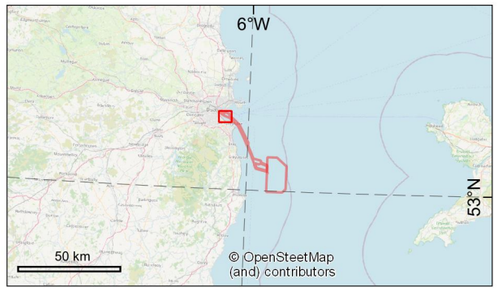




Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (great crested grebe)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 8
Distribution of great crested grebe recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-0680

Internal descriptive code: PB_DLH - PAB_LF4 IB - GREAT.CREST.GREBE.DENS_MLWS_S.BIRD.INTERTIDAL_S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.15)

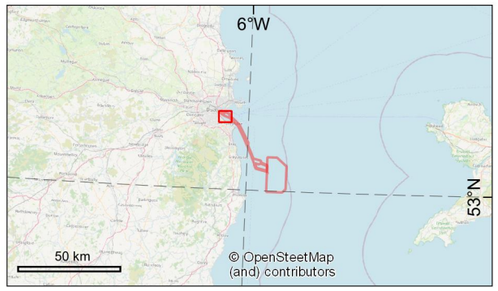
Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
01	For FIR submission	2026/04/20	AC	FM/EA	CM

6°12'W
6°11'W
6°10'W
6°9'W
53°20'N
53°19'N
53°18'N
5,914,700
5,913,200
5,911,700
5,910,200
286,000
287,800
289,600
291,400
N
W
E
S
0
0.4
0.8
1.2 km
Data sources: CWP, 2026; Natural Power, 2026; National Marine Planning Framework (NMPF), 2026; National Parks & Wildlife Service (NPWS), 2026.
Background: ESRI
Copyrights: Contains Irish Public Sector Data licensed under a CC BY 4.0 International licence; ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (grey heron)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: www.naturalpower.com natural power

Figure 9
Distribution of grey heron recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1618

Internal descriptive code: PB_DLH - PAB_LF4.IB - GREY HERON DENS_MLWS_S.BIRD. INTERTIDAL_S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch. 10.Ap.05.FIG.05.17)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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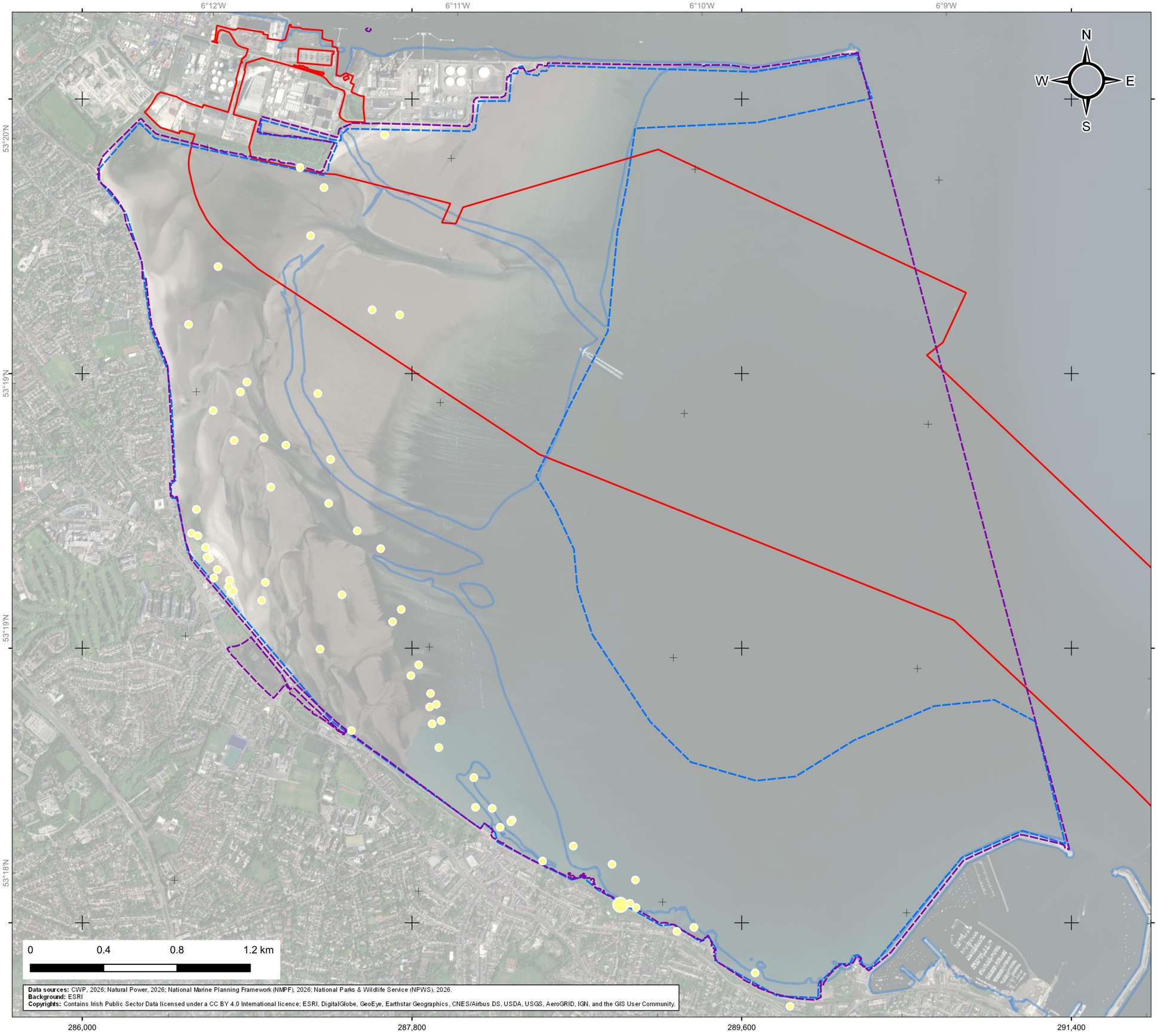

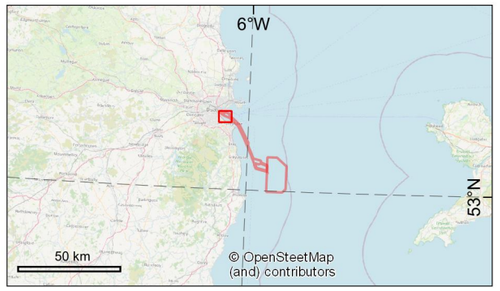

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (little egret)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 10
Distribution of little egret recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1619

Internal descriptive code: PB..DLH - PAB..LF4.IB - LITTLE.EGRET.DENS, MLWS..S.BIRD.INTERTIDAL..S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.19)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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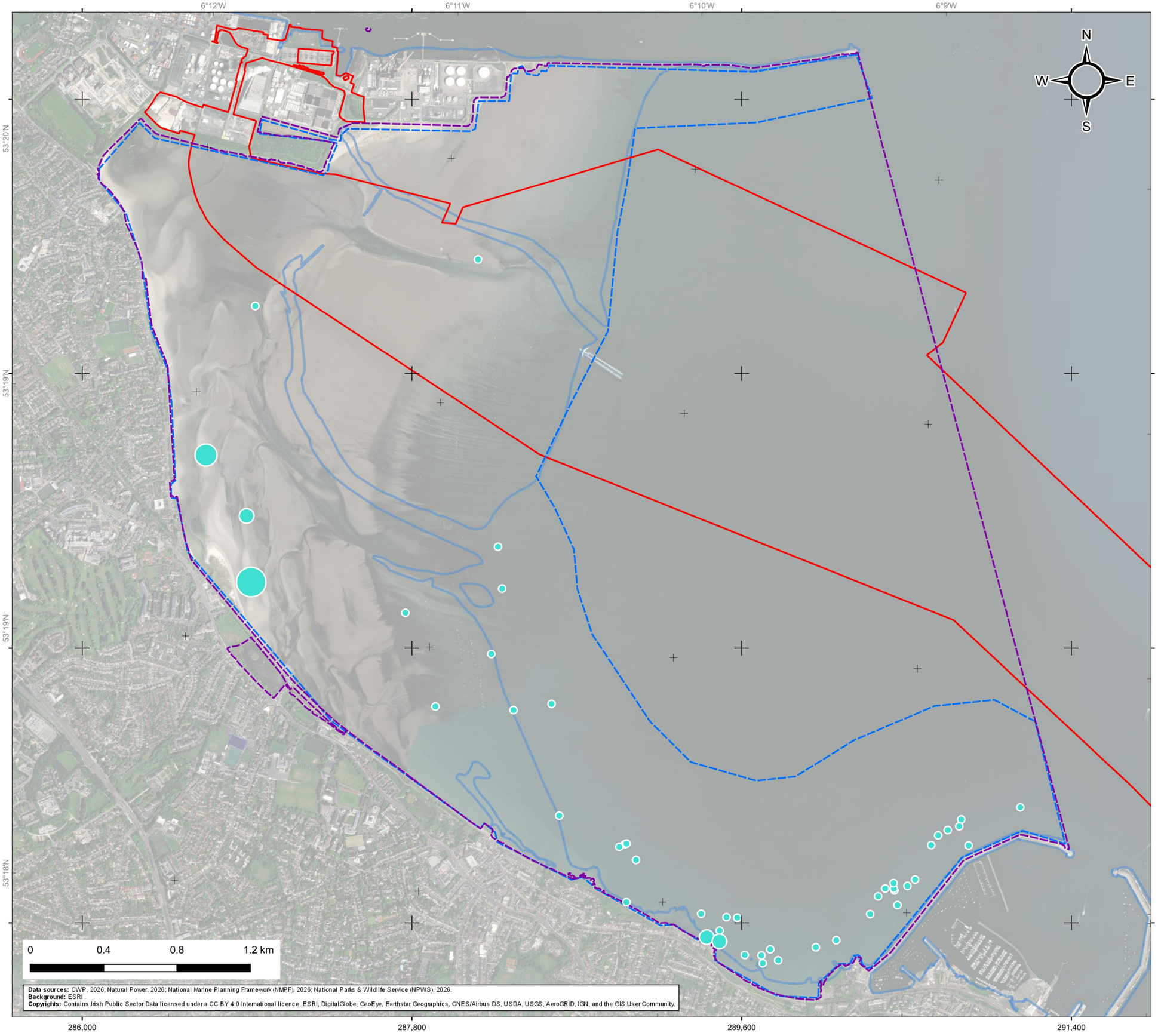

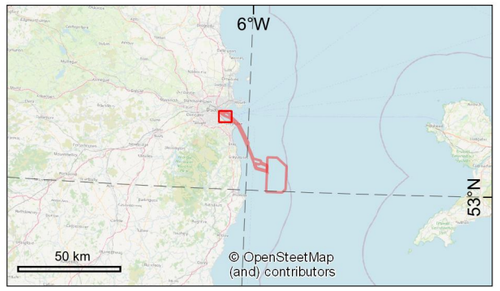

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (shag)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 11
Distribution of shag recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1621

Internal descriptive code: PB_DLH - PAB_LF4.IB - MLWS_SHAG.DENS._S.BIRD.INTERTIDAL_S.D. BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.21)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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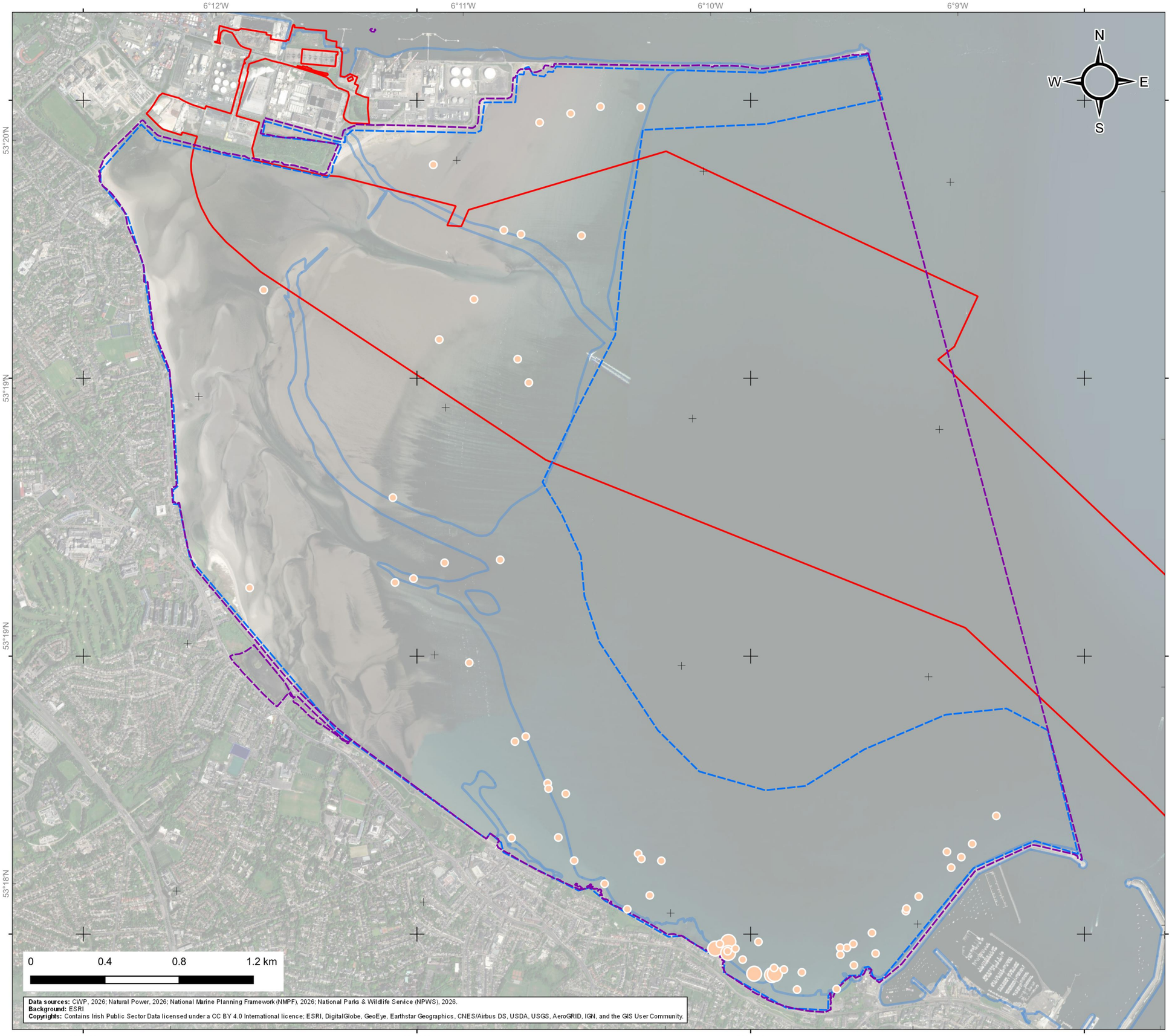

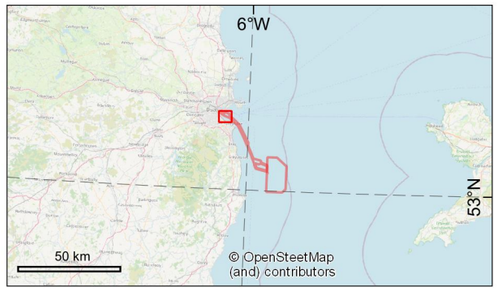

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (cormorant)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 12
Distribution of cormorant recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1622

Internal descriptive code: PB_DLH - PAB_LF4 IB - CORMORANT DENS_MLWS_S BIRD. INTERTIDAL_S.D.BUY.and RIVTOLKA SPA - (EIAR.Vol.04 Ch. 10.Ap.05.FIG.05.23)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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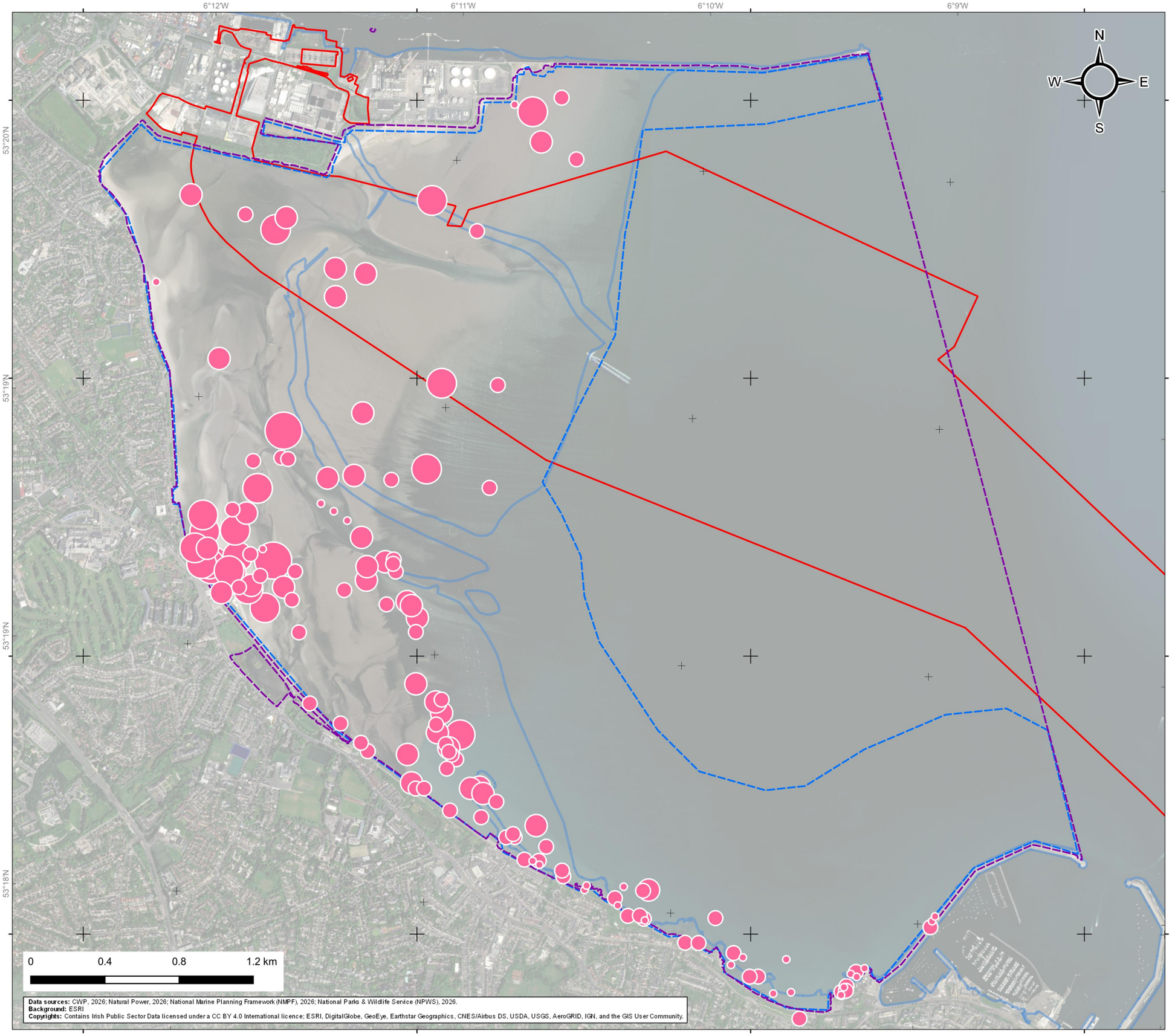

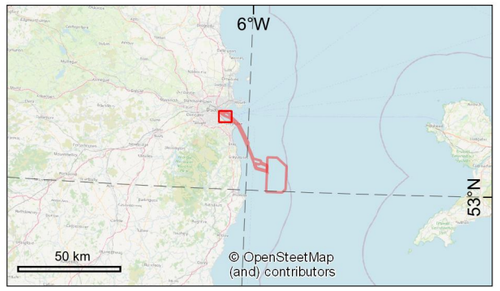

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (oystercatcher)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: www.naturalpower.com natural power

Figure 13
Distribution of oystercatcher recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1623

Internal descriptive code: PB..DLH - PAB..LF4.IB - MLWS..OYSTERCATCHER.DENS..S.BIRD.INTERTIDAL..S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.25)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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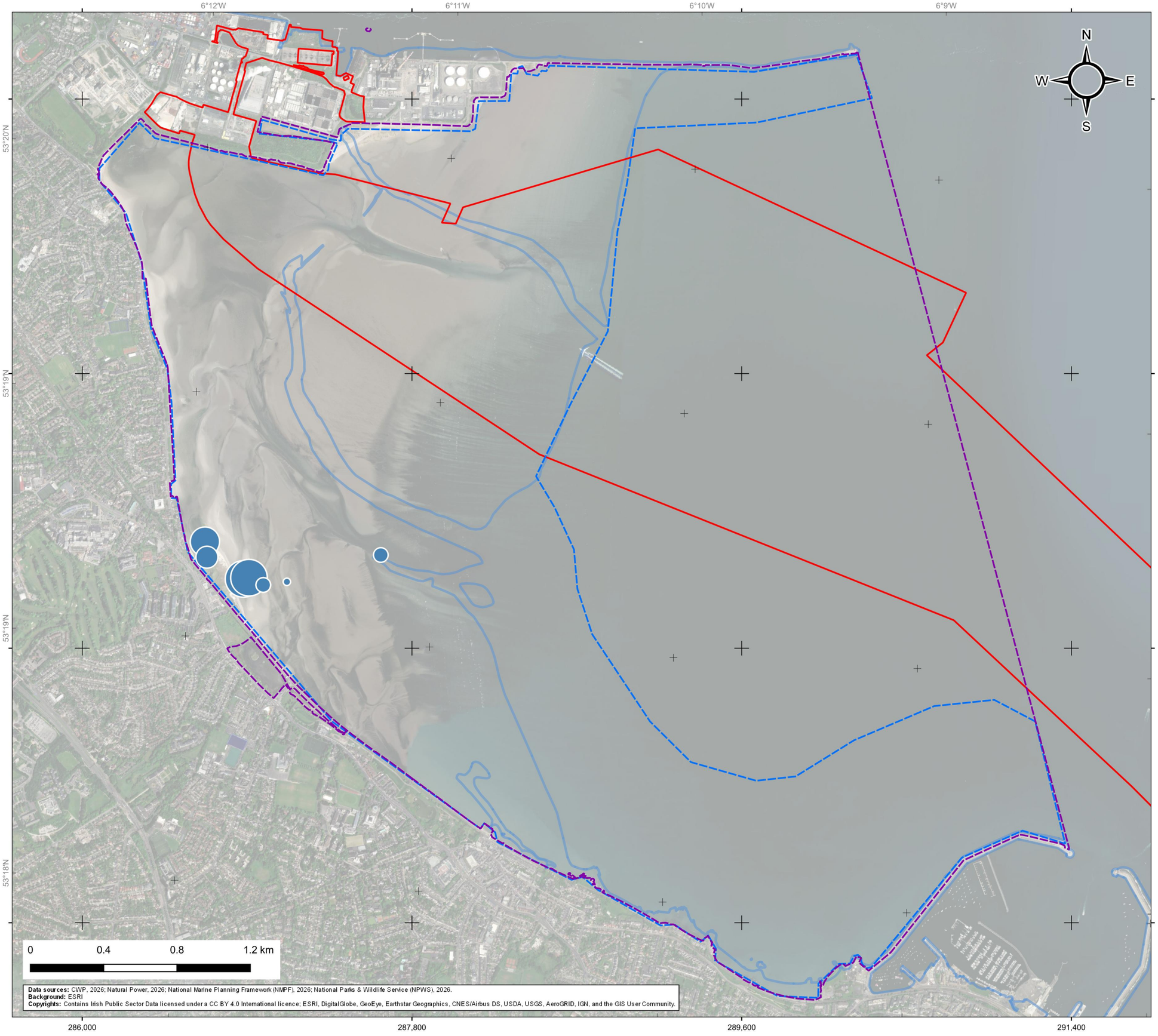

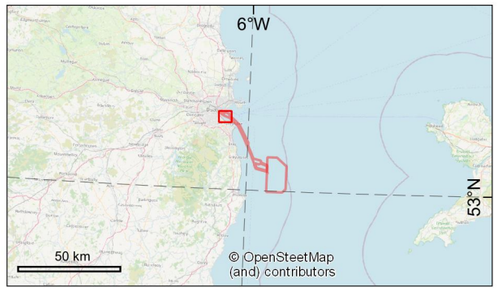

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (golden plover)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 14
Distribution of golden plover recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1624

Internal descriptive code: PB_DLH - PAB_LF4 IB - GOLD PLOVER DENS. MLWS_S BIRD. INTERTIDAL_S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch. 10.Ap.05.FIG.05.27)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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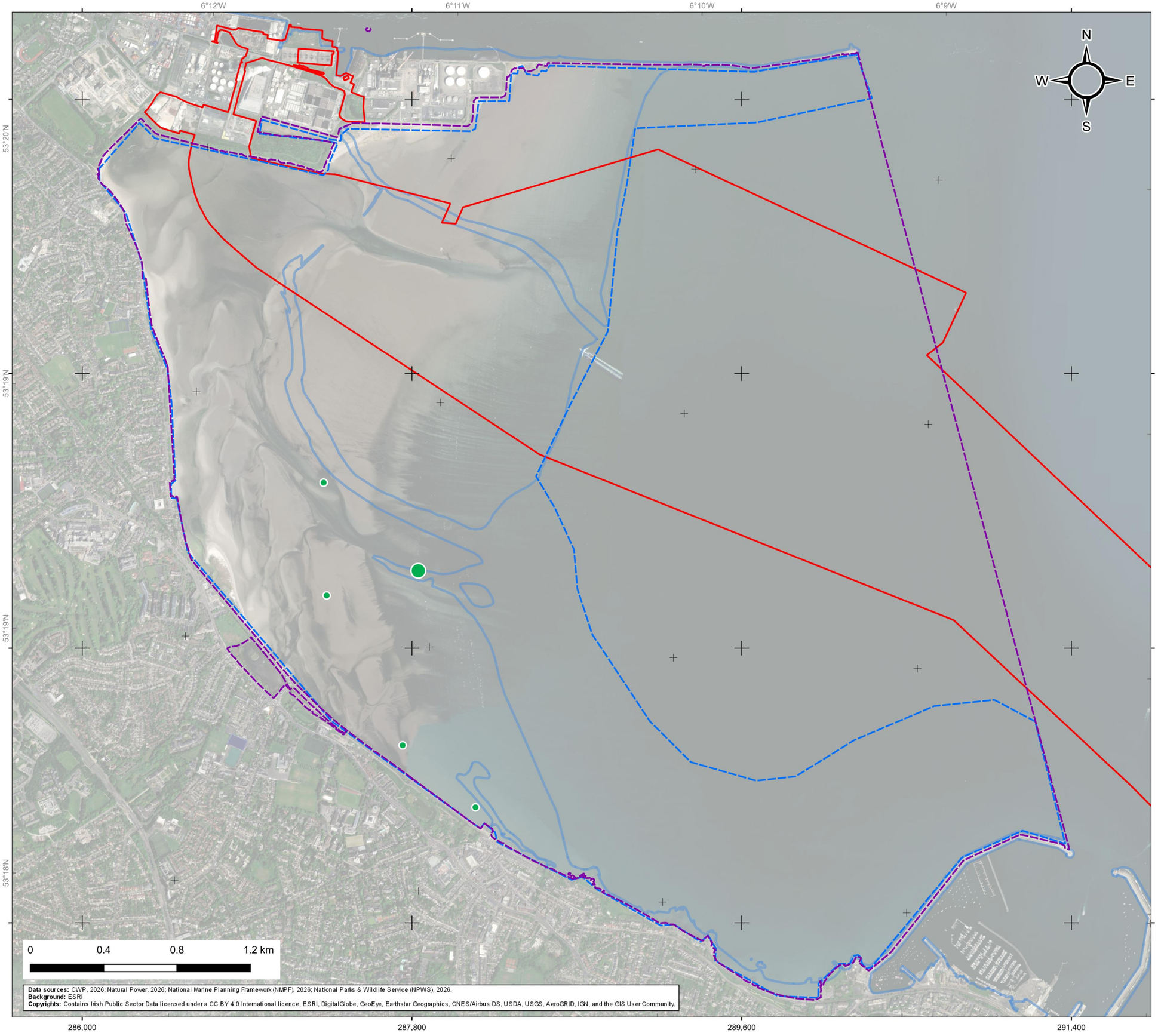

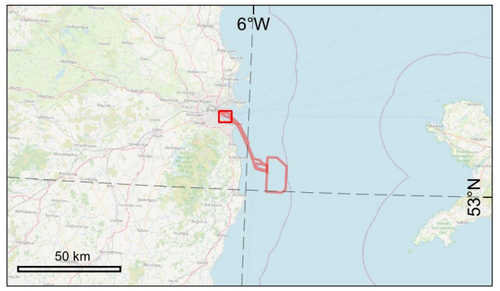

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (grey plover)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 15
Distribution of grey plover recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1625

Internal descriptive code: PB..DLH - PAB..LF4.IB - GREY PLOVER.DENS..MLWS..S.BIRD.INTERTIDAL..S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.29)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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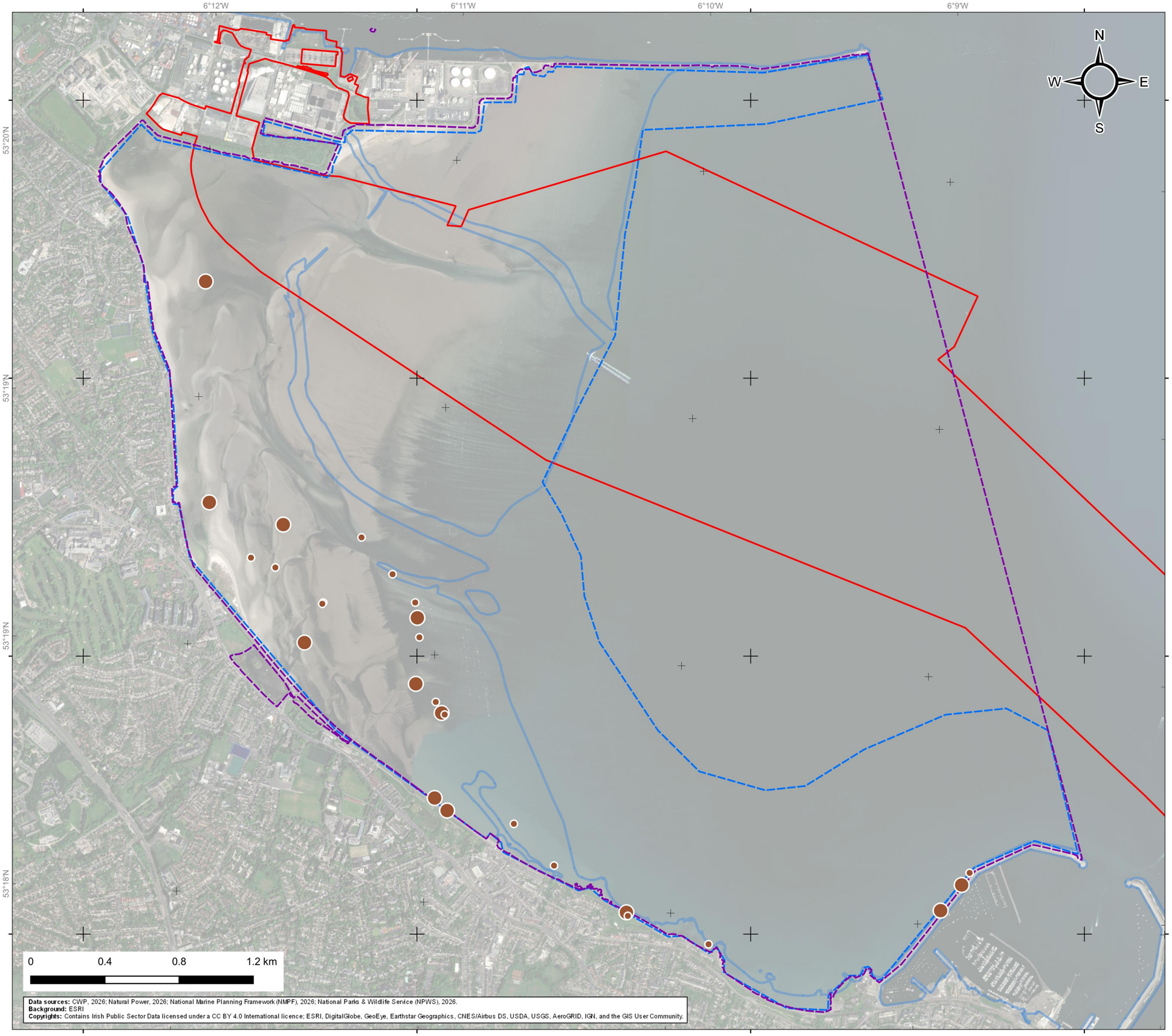

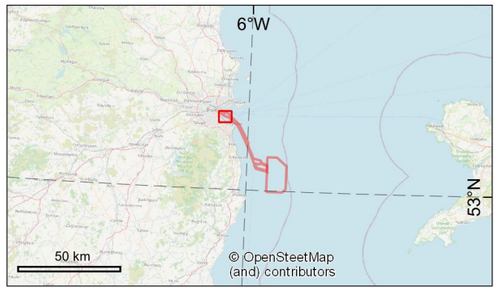

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (ringed plover)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 16
Distribution of ringed plover recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1626

Internal descriptive code: PB_DLH - PAB_LF4 IB - MLWS_RING.PLOVER.DENS._S.BIRD. INTERTIDAL_S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch. 10.Ap.05.FIG.05.31)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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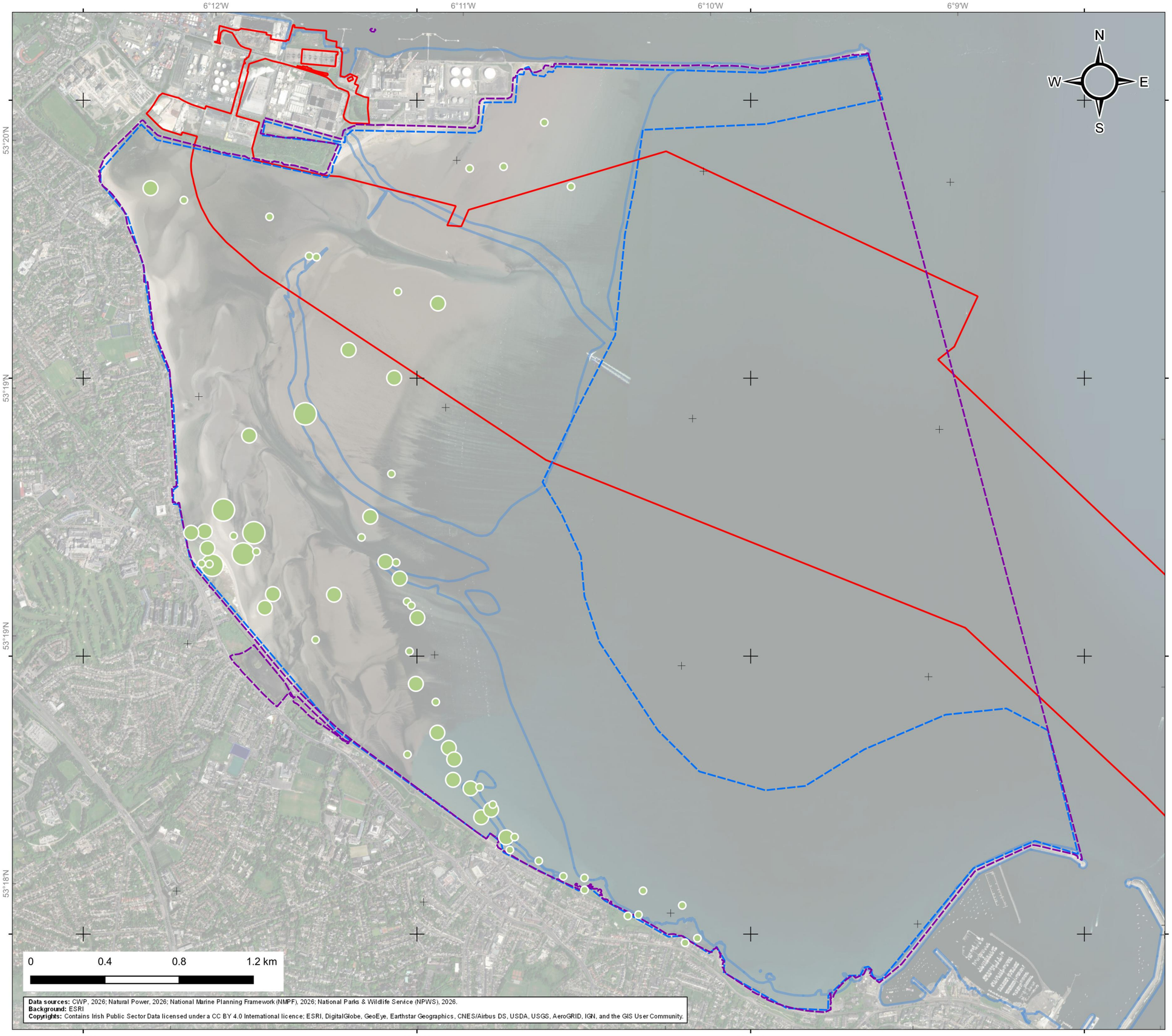

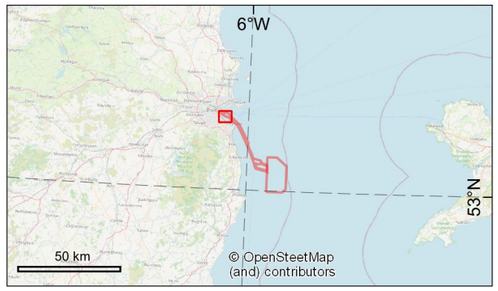

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (curlew)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

Data sources: CWP, 2026; Natural Power, 2026; National Marine Planning Framework (NMPF), 2026; National Parks & Wildlife Service (NPWS), 2026.
Background: ESRI

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 17
Distribution of curlew recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1627

Internal descriptive code: PB_DLH - PAB_LF4.IB - CURLEW.DENS._MLWS_S.BIRD.INTERTIDAL_S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.33)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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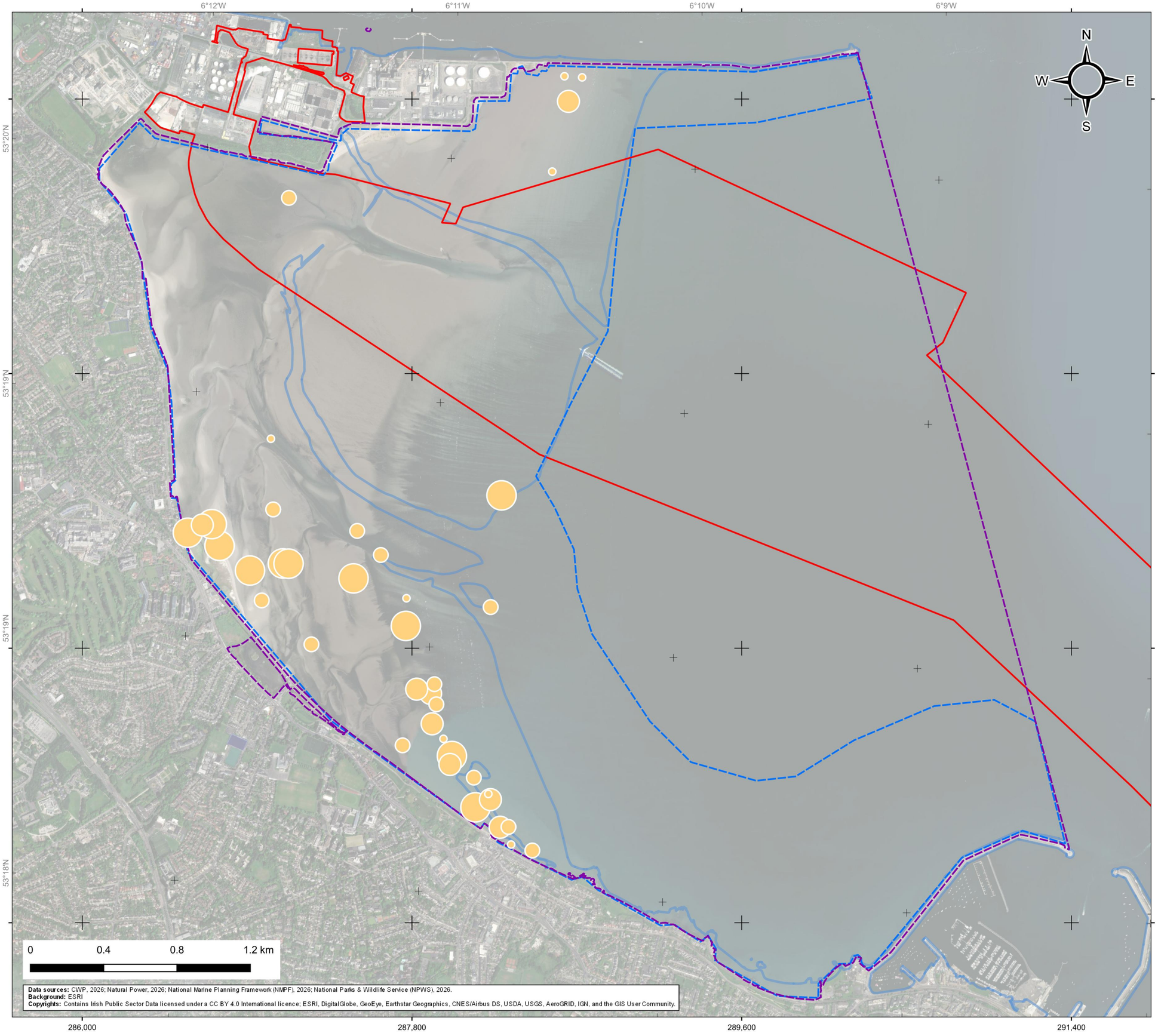

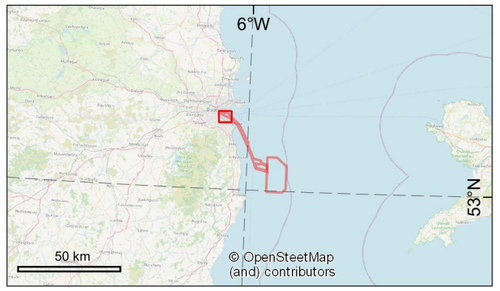

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (bar-tailed godwit)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 18
Distribution of bar-tailed godwit recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1628

Internal descriptive code: PB..DLH - PAB..LF4.IB - BAR.TAILED.GODWIT.DENS..MLWS..S.BIRD.INTERTIDAL..S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.35)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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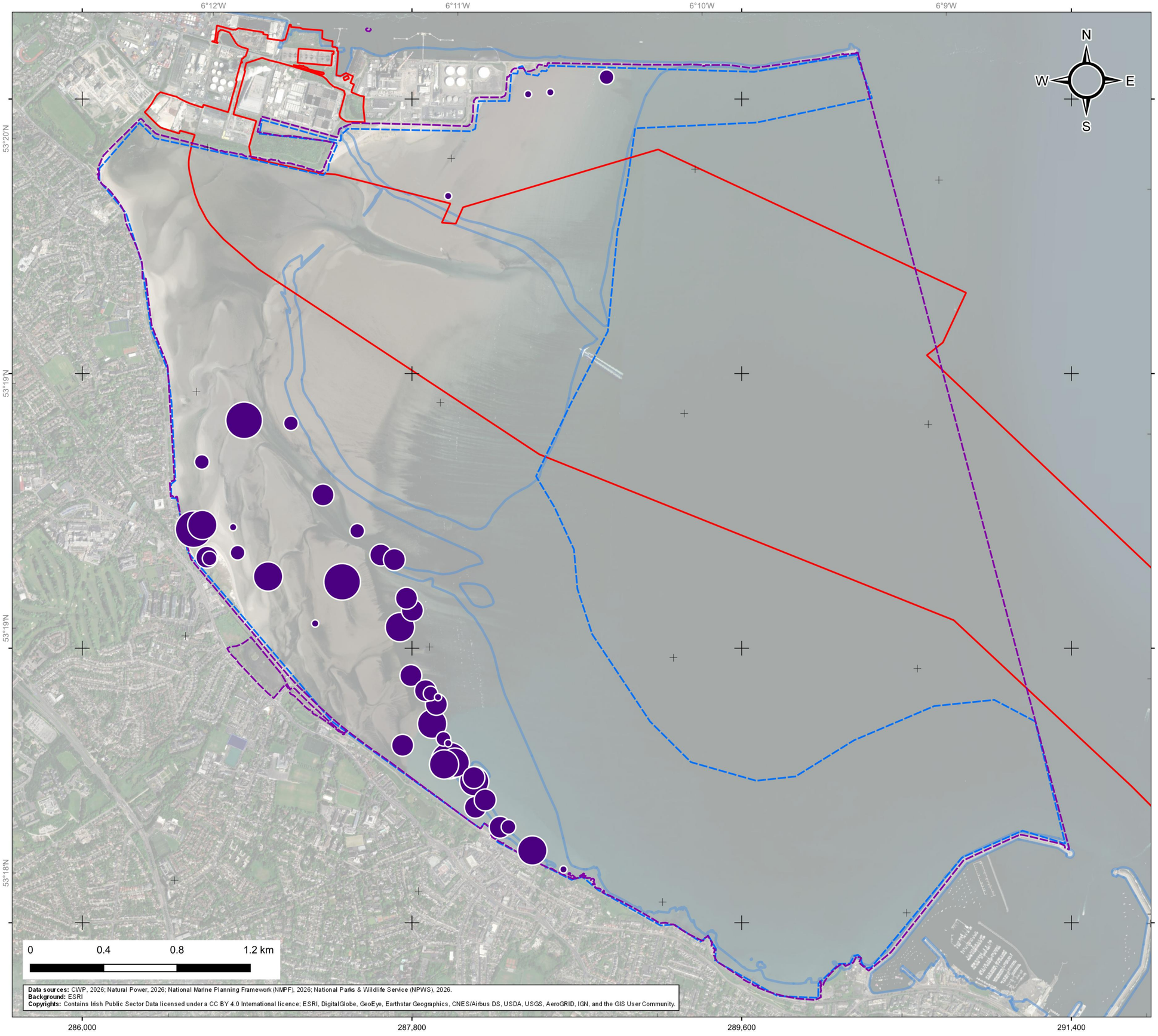

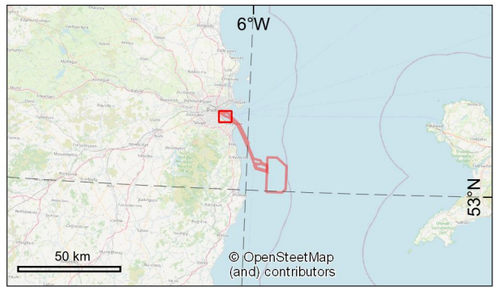

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (black-tailed godwit)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 19
Distribution of black-tailed godwit recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1629

Internal descriptive code: PB..DLH - PAB..LF4.IB - BLACK.TAILED.GODWIT.DENS..MLWS..S.BIRD.INTERTIDAL..S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.37)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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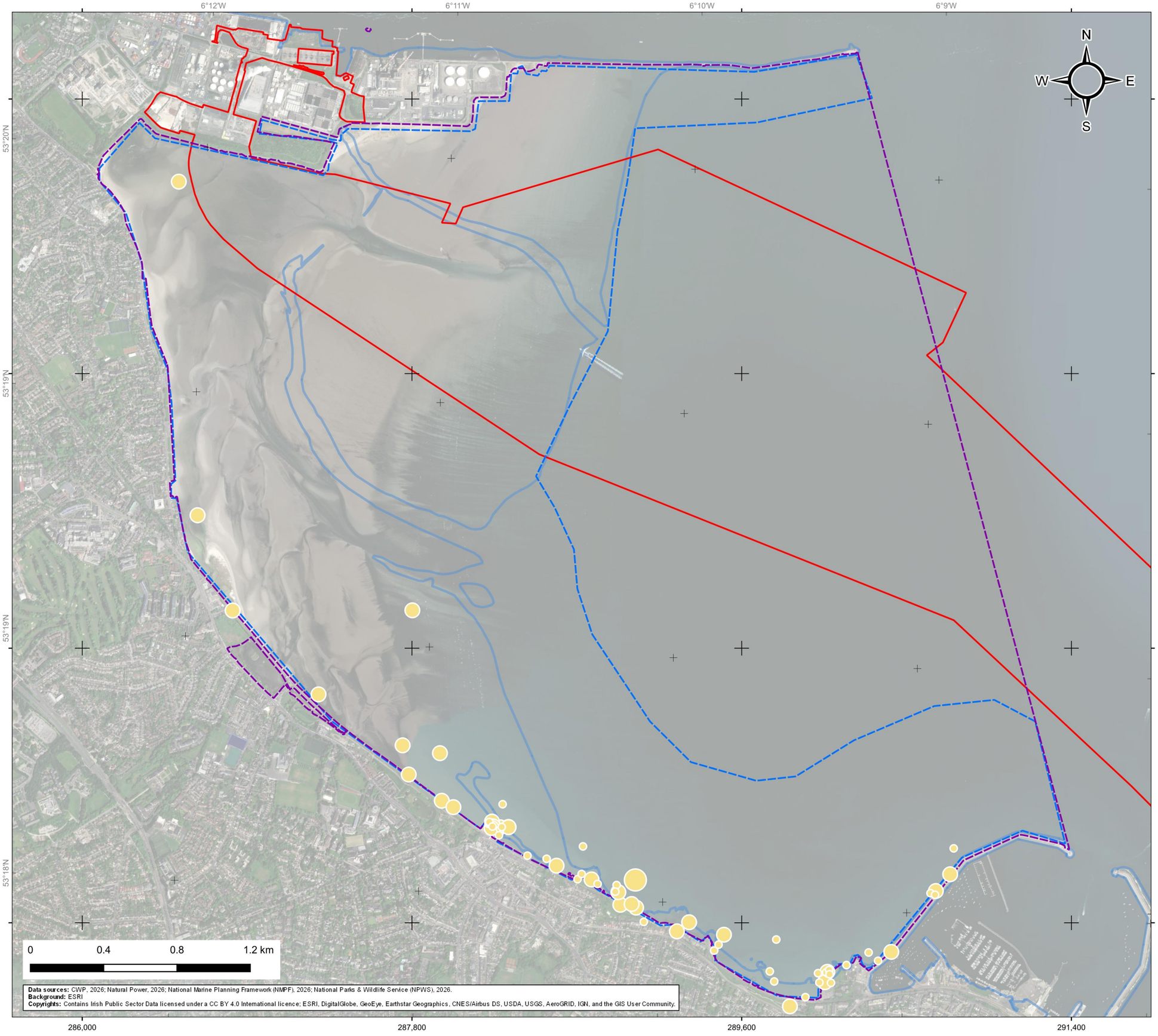
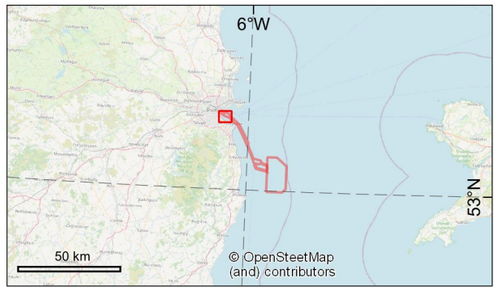




Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (turnstone)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 20
Distribution of turnstone recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1630

Internal descriptive code: PB_DLH - PAB_LF4.IB - MLWS_S.BIRD.INTERTIDAL_S.D.BUY.and.RIV.TOLKA.SPA_TURNSTONE.DENS - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.39)

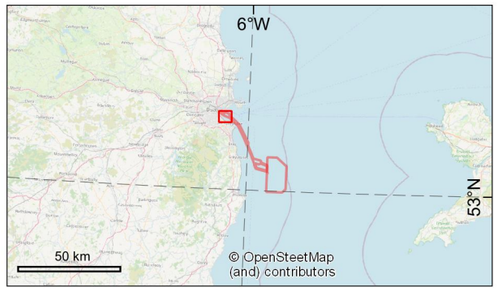
Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
01	For FIR submission	2026/04/20	AC	FM/EA	CM

6°12'W
6°11'W
6°10'W
6°9'W
53°20'N
53°19'N
53°18'N
5,914,700
5,913,200
5,911,700
5,910,200
286,000
287,800
289,600
291,400
N
W
E
S
0
0.4
0.8
1.2 km
Data sources: CWP, 2026; Natural Power, 2026; National Marine Planning Framework (NMPF), 2026; National Parks & Wildlife Service (NPWS), 2026.
Background: ESRI
Copyrights: Contains Irish Public Sector Data licensed under a CC BY 4.0 International licence; ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (knot)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: www.naturalpower.com natural power

Figure 21
Distribution of knot recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1632

Internal descriptive code: PB..DLH - PAB..LF4.IB - KNOT.DENS..MLWS..S.BIRD.INTERTIDAL..S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.41)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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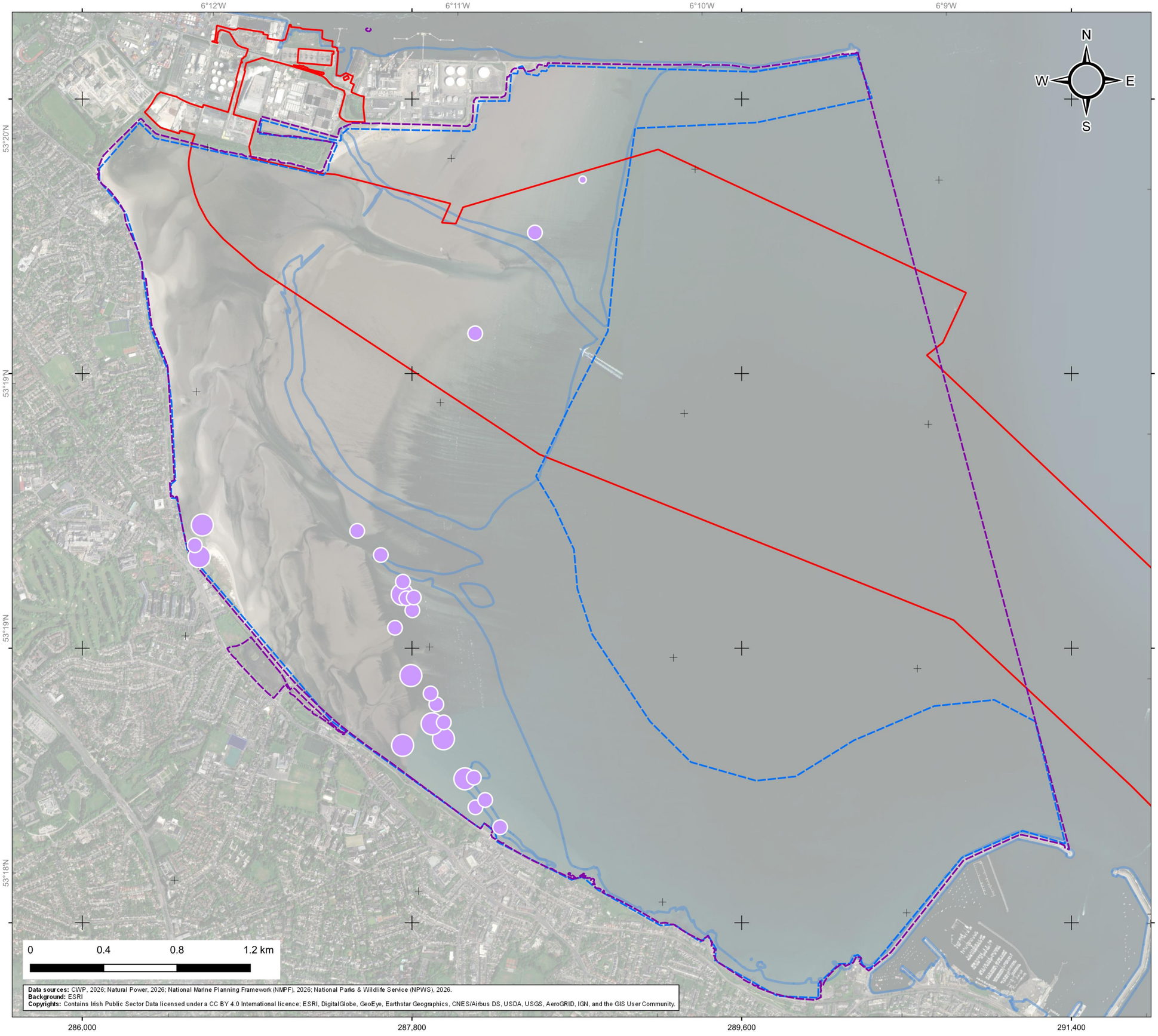

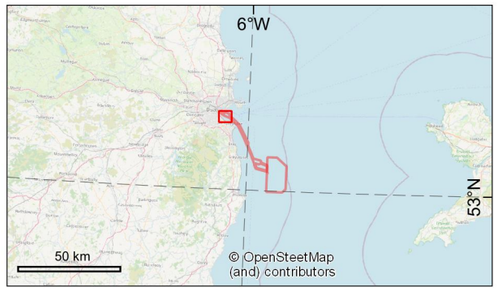

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (sanderling)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 22
Distribution of sanderling recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1633

Internal descriptive code: PB..DLH - PAB..LF4.IB - MLWS..SANDERLING.DENS..S.BIRD.INTERTIDAL..S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.43)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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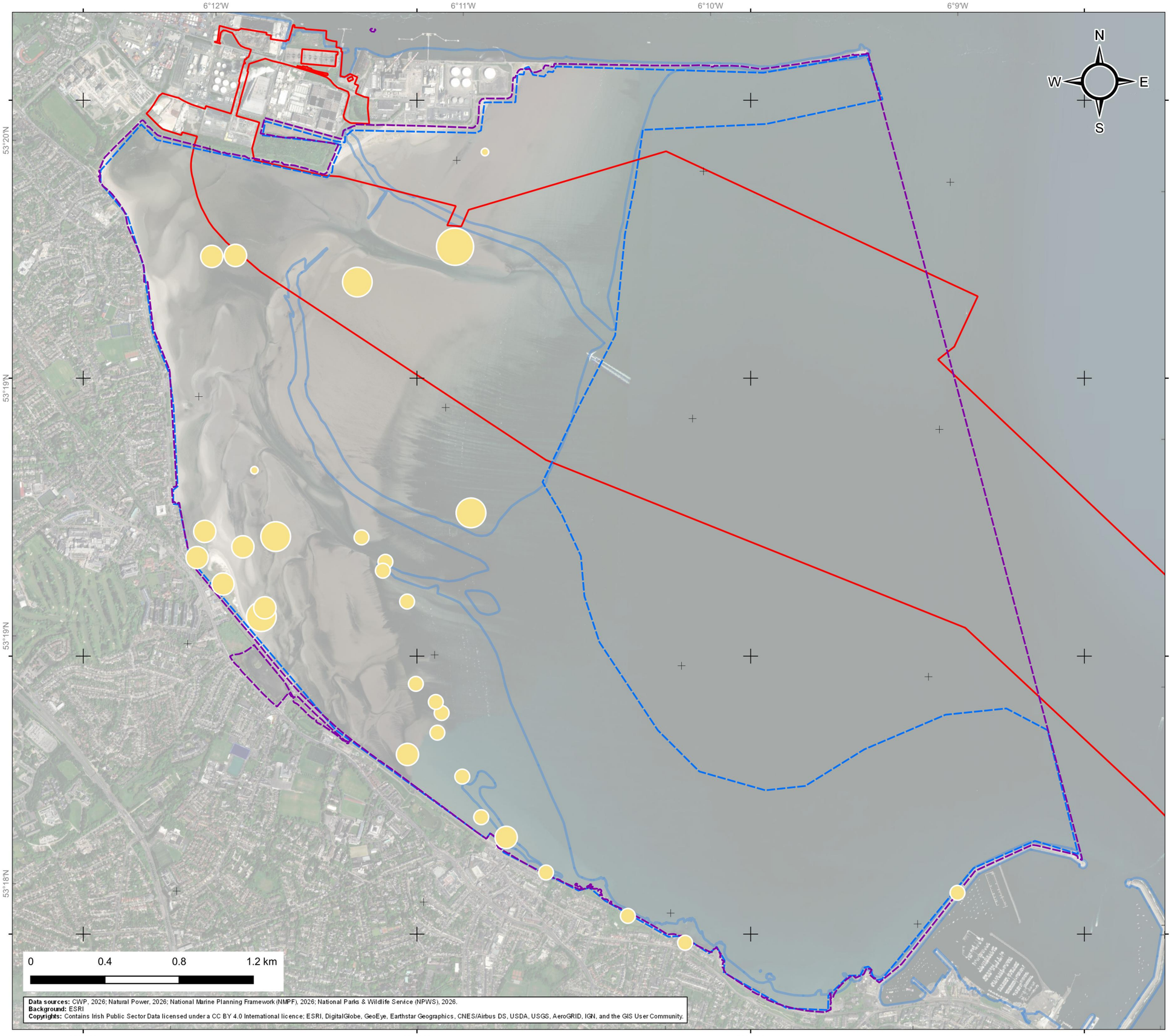
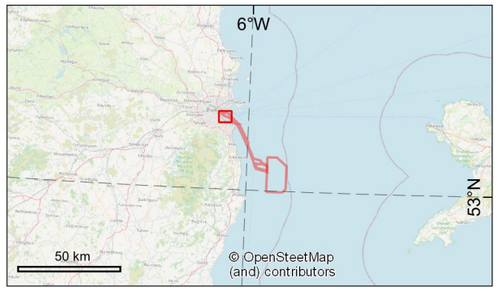




Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (dunlin)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: www.naturalpower.com natural power

Figure 23
Distribution of dunlin recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1635

Internal descriptive code: PB..DLH - PAB..LF4.IB - DUNLIN.DENS..MLWS..S.BIRD.INTERTIDAL.. S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.45)

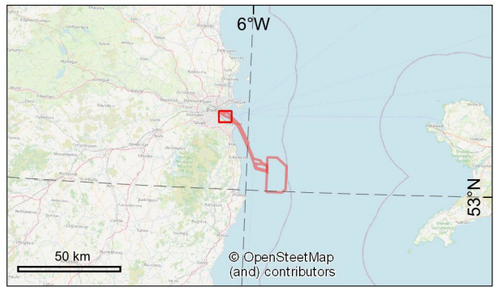
Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
01	For FIR submission	2026/04/20	AC	FM/EA	CM

6°12'W
6°11'W
6°10'W
6°9'W
53°20'N
53°19'N
53°18'N
5,914,700
5,913,200
5,911,700
5,910,200
286,000
287,800
289,600
291,400
N
W
E
S
0
0.4
0.8
1.2 km
Data sources: CWP, 2026; Natural Power, 2026; National Marine Planning Framework (NMPF), 2026; National Parks & Wildlife Service (NPWS), 2026.
Background: ESRI
Copyrights: Contains Irish Public Sector Data licensed under a CC BY 4.0 International licence; ESRI, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (redshank)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 24
Distribution of redshank recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1635

Internal descriptive code: PB_DLH - PAB_LF4_IB - MLWS_REDSHANK.DENS_S.BIRD.INTERTIDAL_S.D.BUY. and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.47)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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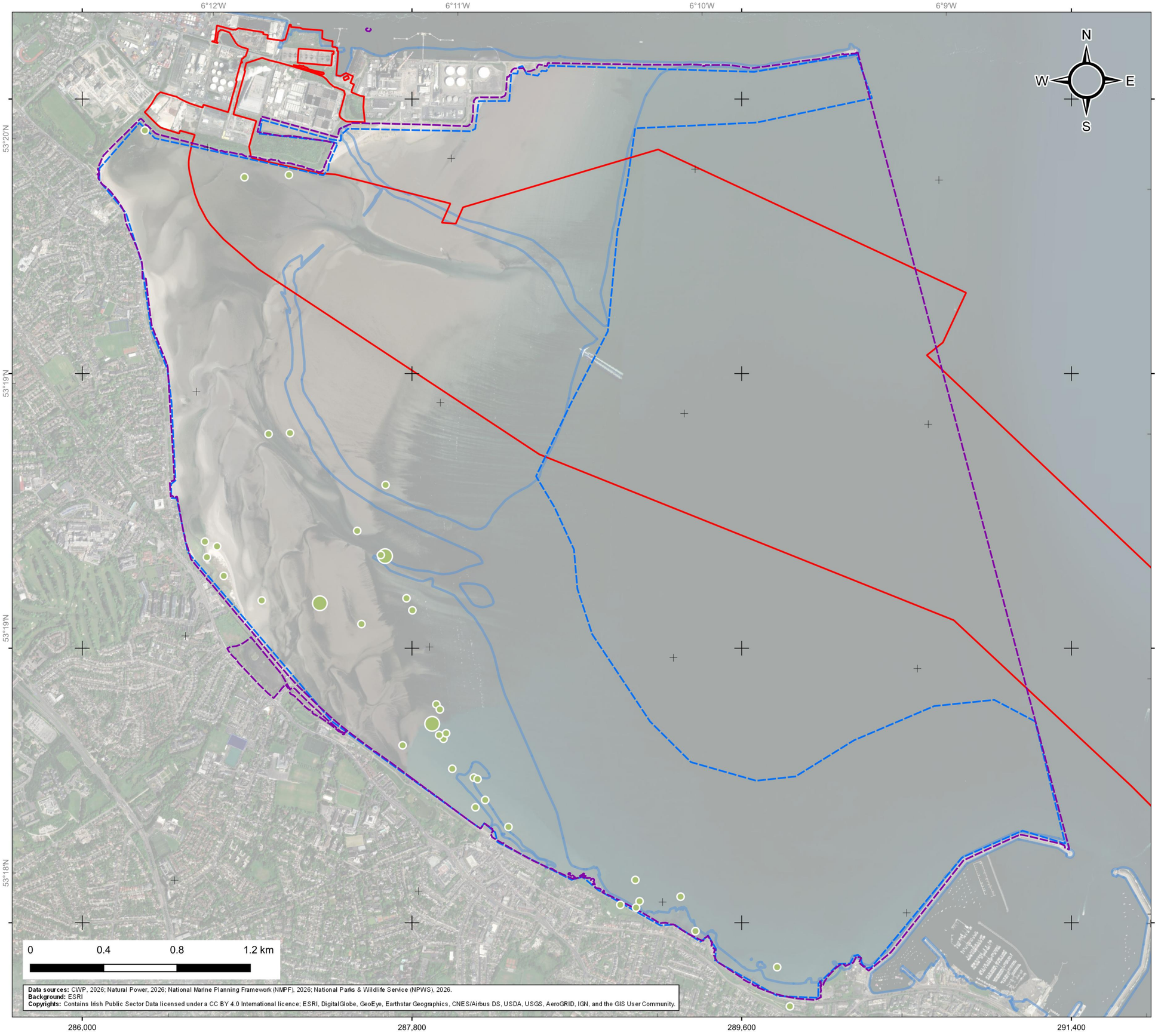

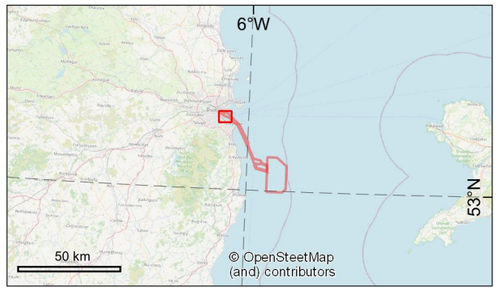

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (greenshank)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 25
Distribution of greenshank recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1636

Internal descriptive code: PB..DLH - PAB..LF4.IB - GREENSHANK.DENS..MLWS..S.BIRD.INTERTIDAL..S.D.BUY.and.RIVTOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.49)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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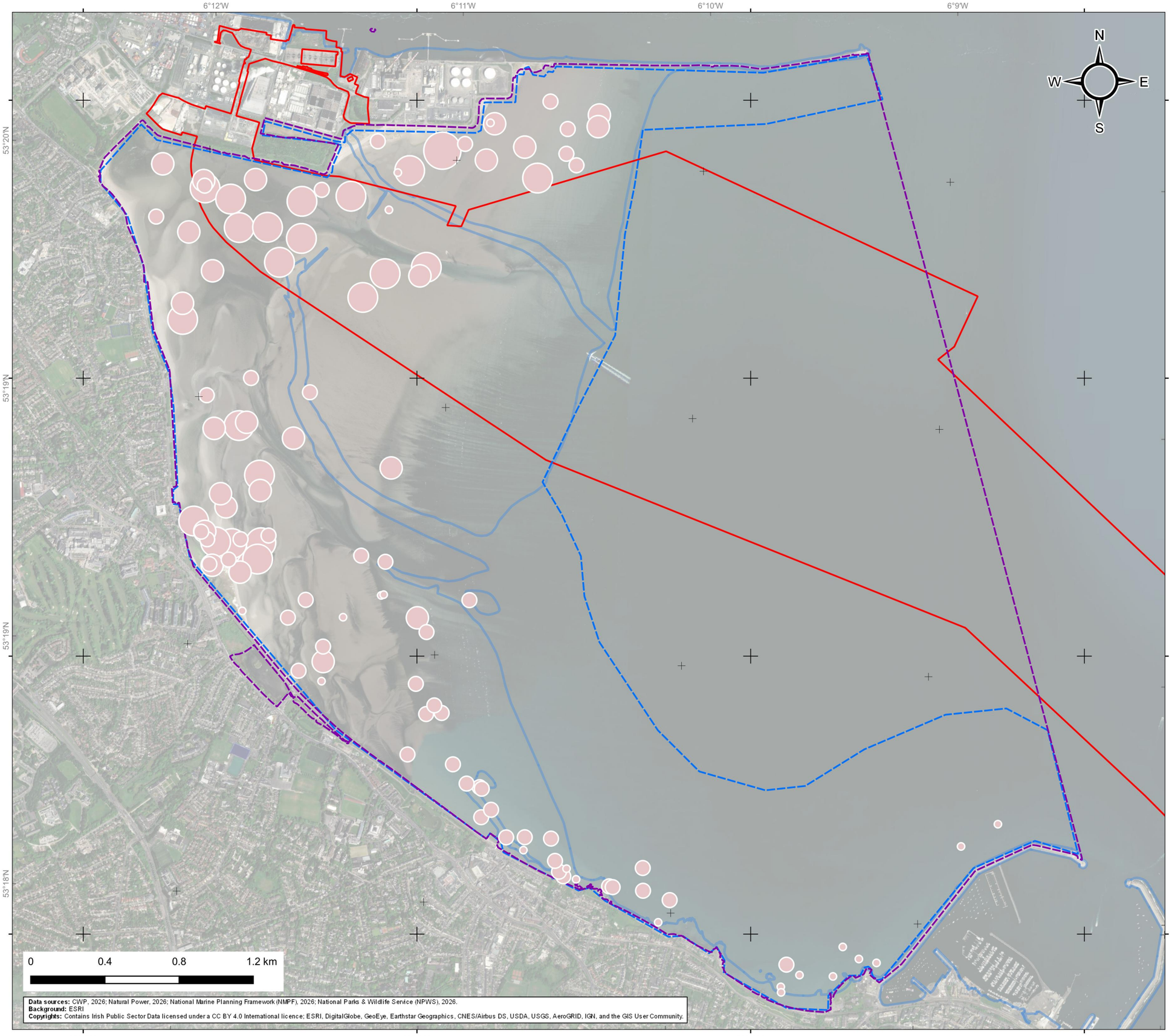

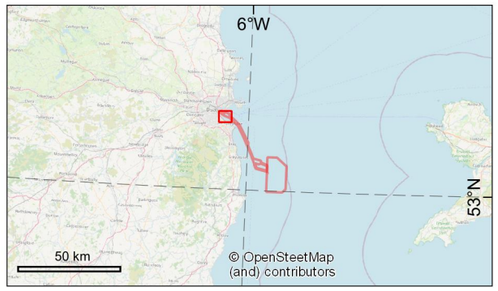

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (black-headed gull)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: www.naturalpower.com natural power

Figure 26
Distribution of black-headed gull recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1637

Internal descriptive code: PB_DLH - PAB_LF4.IB - BLACK.HEAD.GULL.DENS._MLWS._S.BIRD._INTERTIDAL_S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.51)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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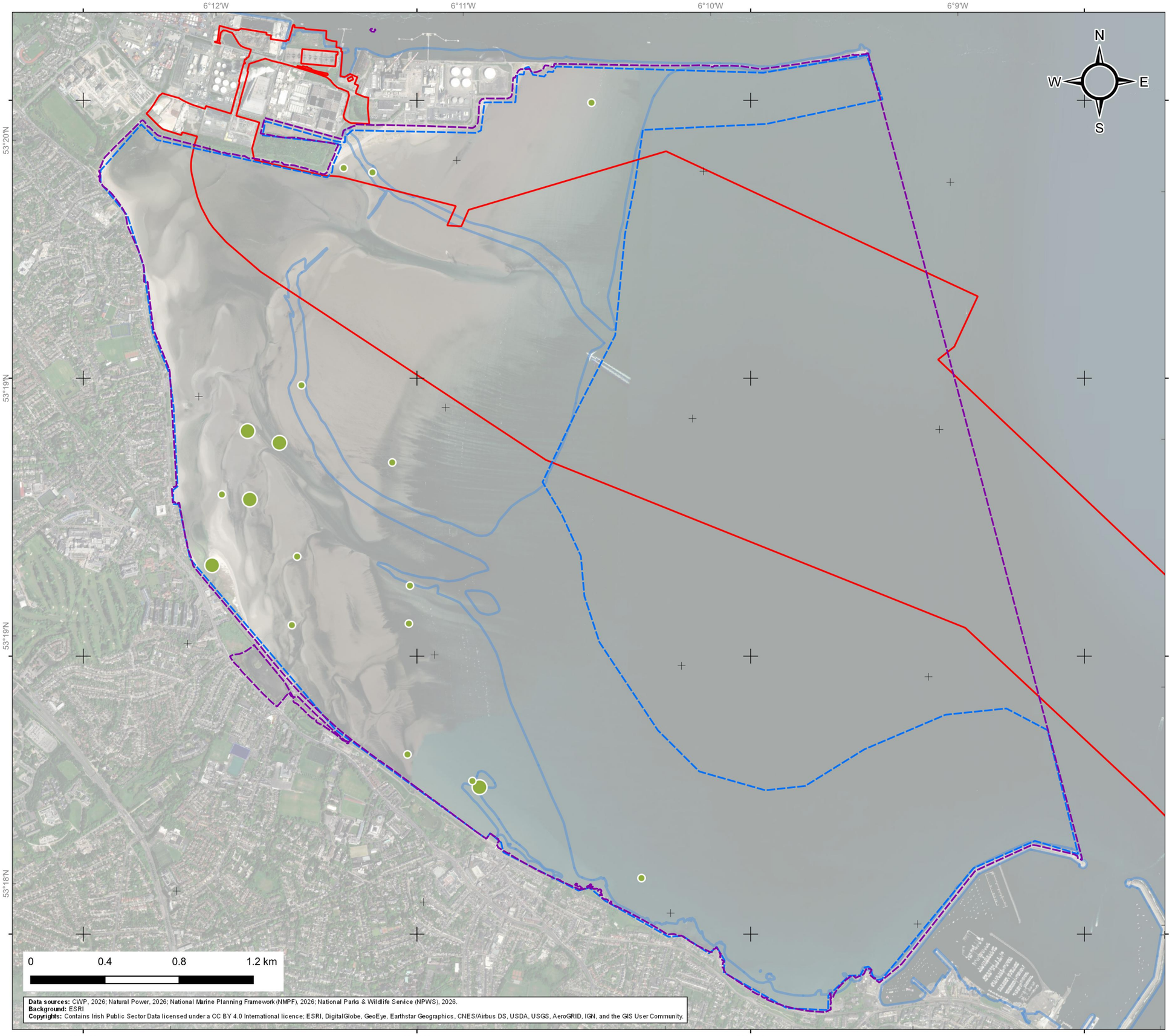

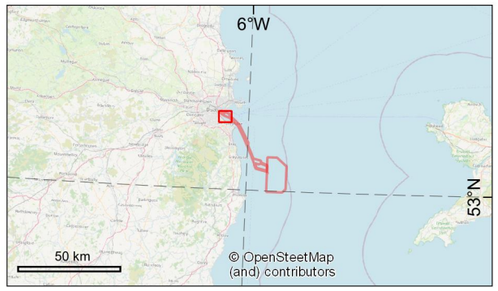

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (Mediterranean gull)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

Data sources: CWP, 2026; Natural Power, 2026; National Marine Planning Framework (NMPF), 2026; National Parks & Wildlife Service (NPWS), 2026.
Background: ESRI

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 27
Distribution of Mediterranean gull recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1638

Internal descriptive code: PB_DLH - PAB_LF4.IB - MED.GULL.DENS._MLWS._S.BIRD.INTERTIDAL._S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.53)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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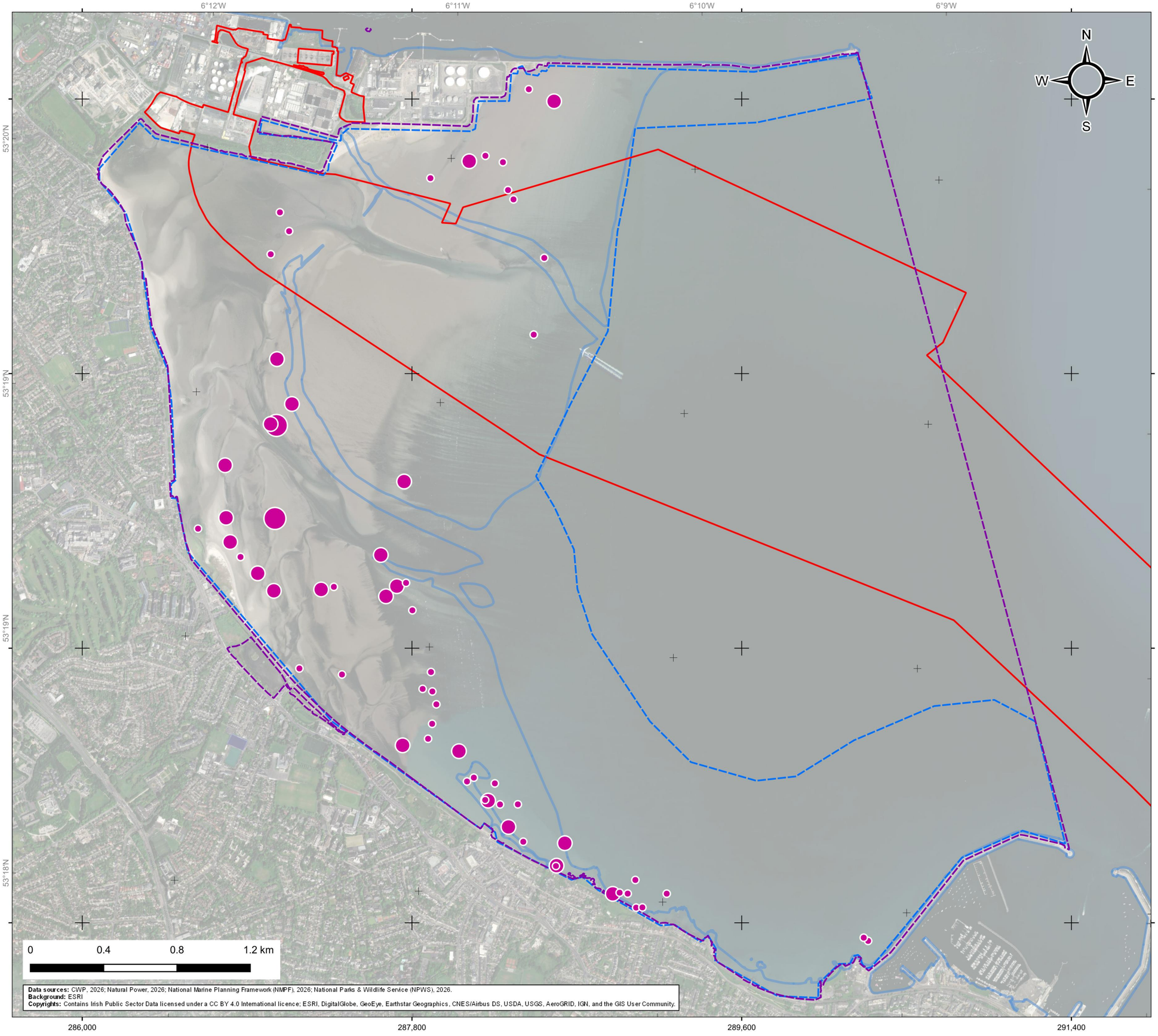

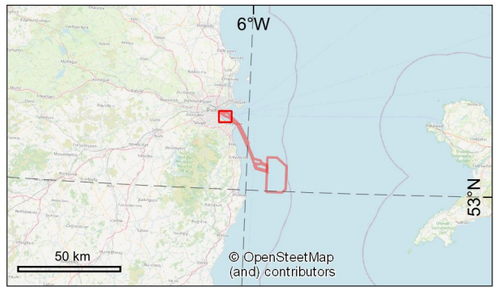

Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (common gull)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

Data sources: CWP, 2026; Natural Power, 2026; National Marine Planning Framework (NMPF), 2026; National Parks & Wildlife Service (NPWS), 2026.
Background: ESRI

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 28
Distribution of common gull recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1639

Internal descriptive code: PB_DLH - PAB_LF4 IB - COMMON GULL DENS. MLWS_S.BIRD. INTERTIDAL_S.D.BUY.and RIVTOLKA SPA - (EIAR.Vol.04.Ch. 10.Ap.05.FIG.05.55)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
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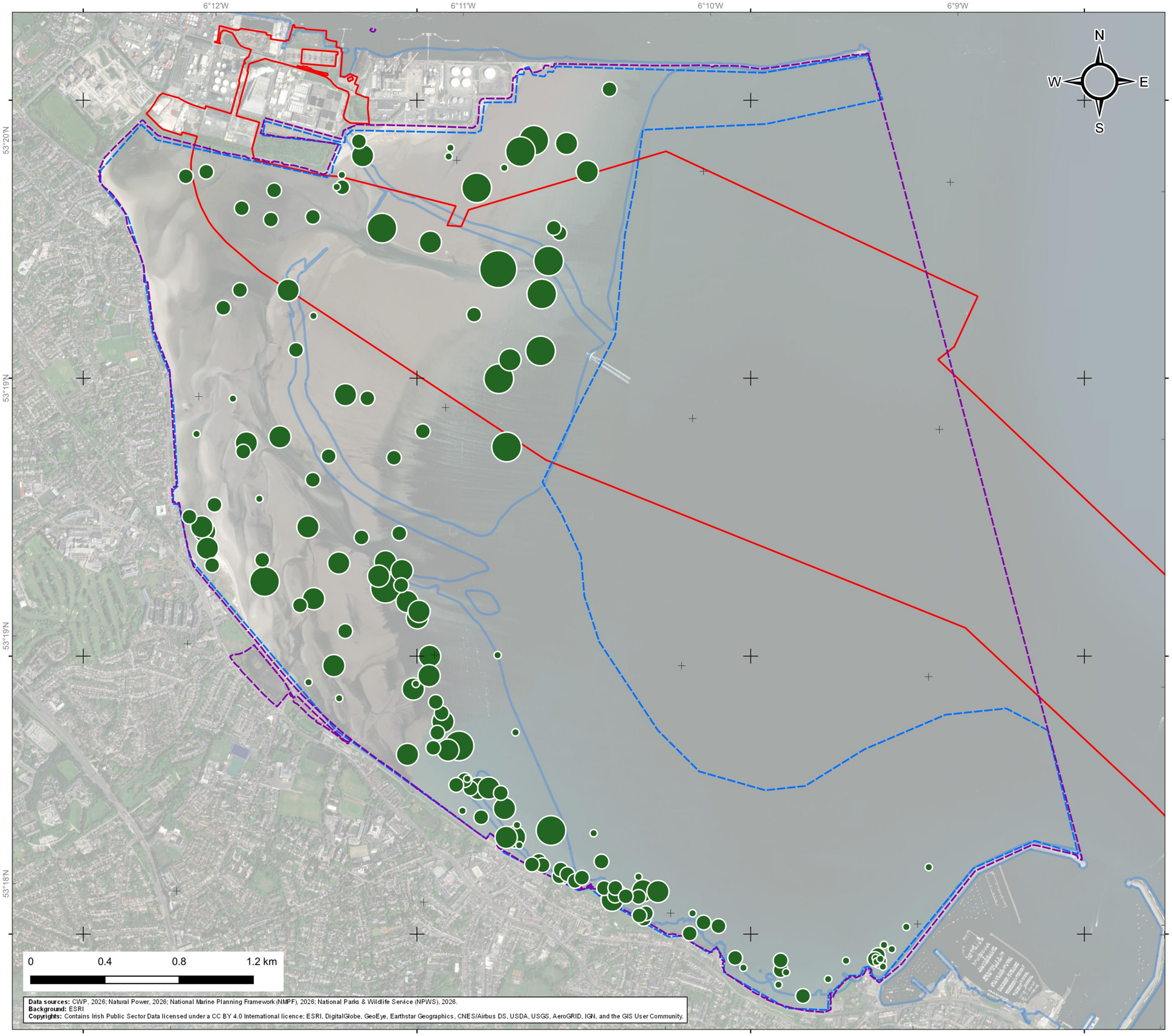
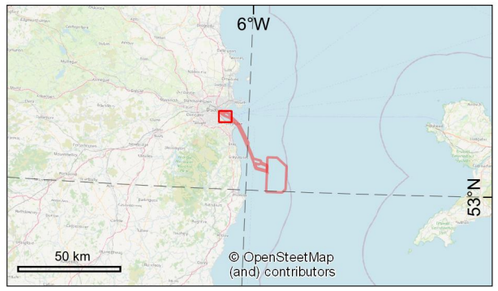




Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (herring gull)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 29
Distribution of herring gull recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1641

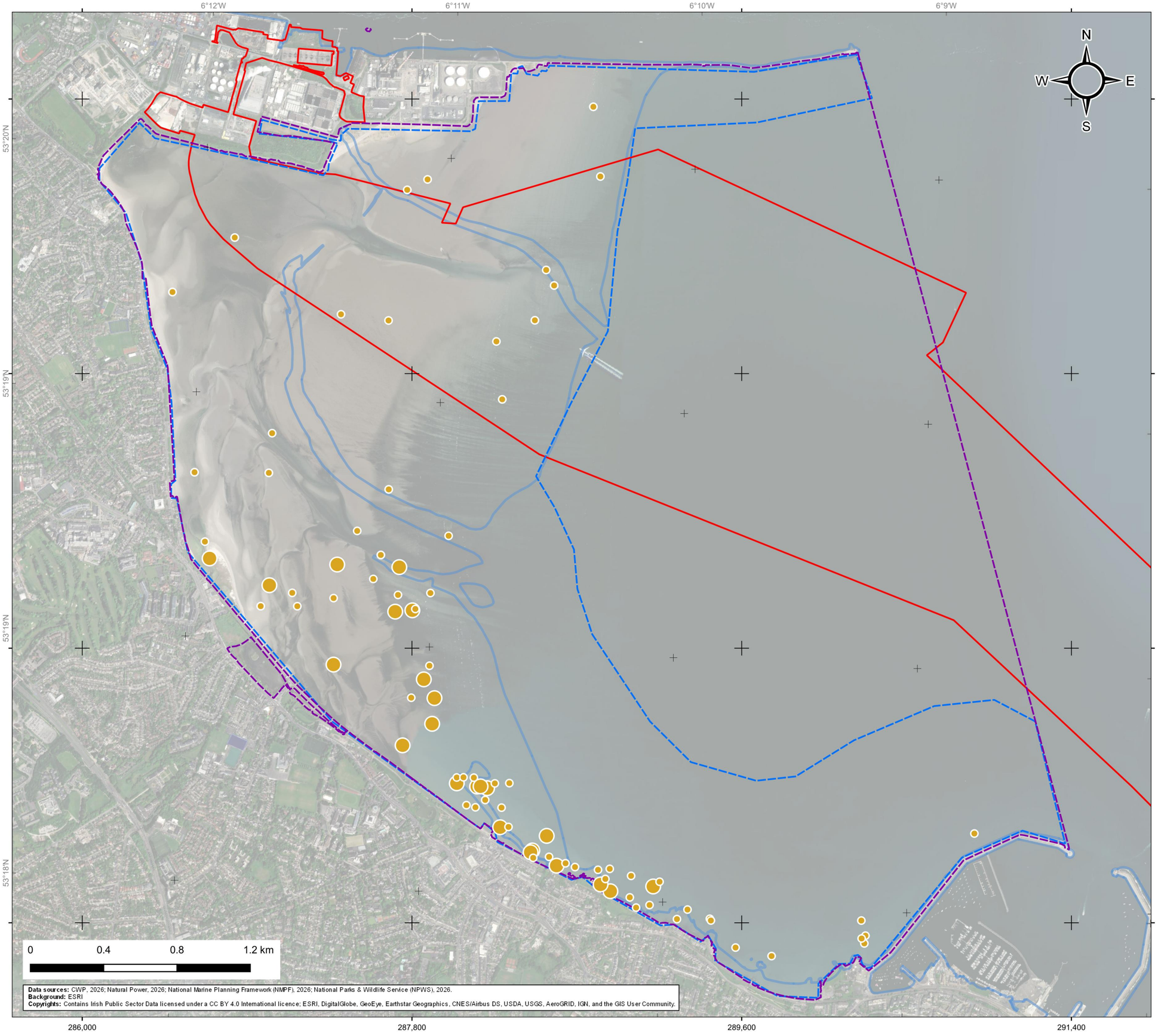
Internal descriptive code: PB_DLH - PAB_LF4 IB - HERRING GULL DENS_MLWS_S.BIRD INTERTIDAL_S.D.BUY.and.RIVTOLKA.SPA - (EIAR.Vol.04.Ch. 10.Ap.05.FIG.05.59)

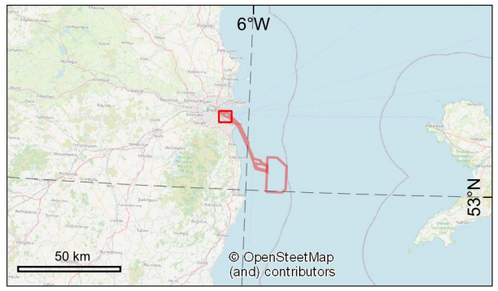
Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
01	For FIR response	2026/04/20	AC	FM/EA	CM





Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (great black-backed gull)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

Data sources: CWP, 2026; Natural Power, 2026; National Marine Planning Framework (NMPF), 2026; National Parks & Wildlife Service (NPWS), 2026.
Background: ESRI

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 30
Distribution of great black-backed gull recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1640

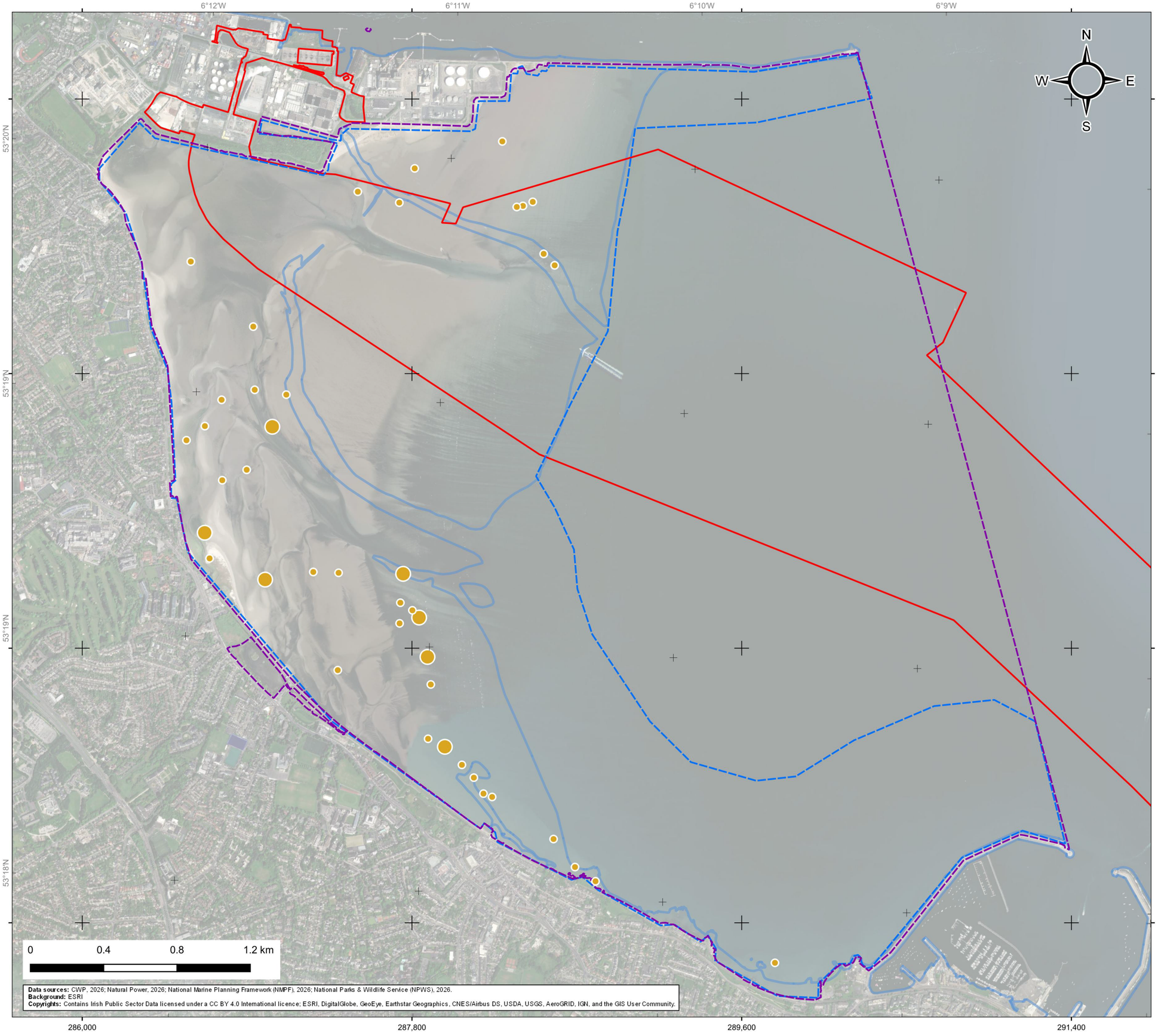
Internal descriptive code: PB_DLH - PAB_LF4_IB - GREAT.BLACK.BACK.GULL.DENS._MLWS_S.BIRD.INTERTIDAL_S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.57)

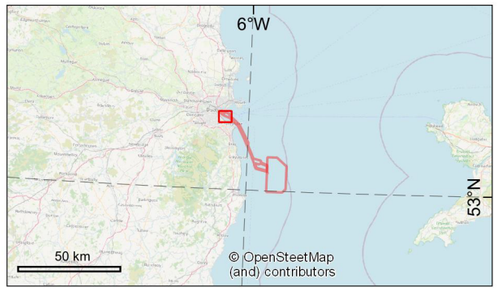
Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
01	For FIR response	2026/04/20	AC	FM/EA	CM





Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (lesser black-backed gull)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

Data sources: CWP, 2026; Natural Power, 2026; National Marine Planning Framework (NMPF), 2026; National Parks & Wildlife Service (NPWS), 2026.
Background: ESRI

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 31
Distribution of lesser black-backed gull recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1643

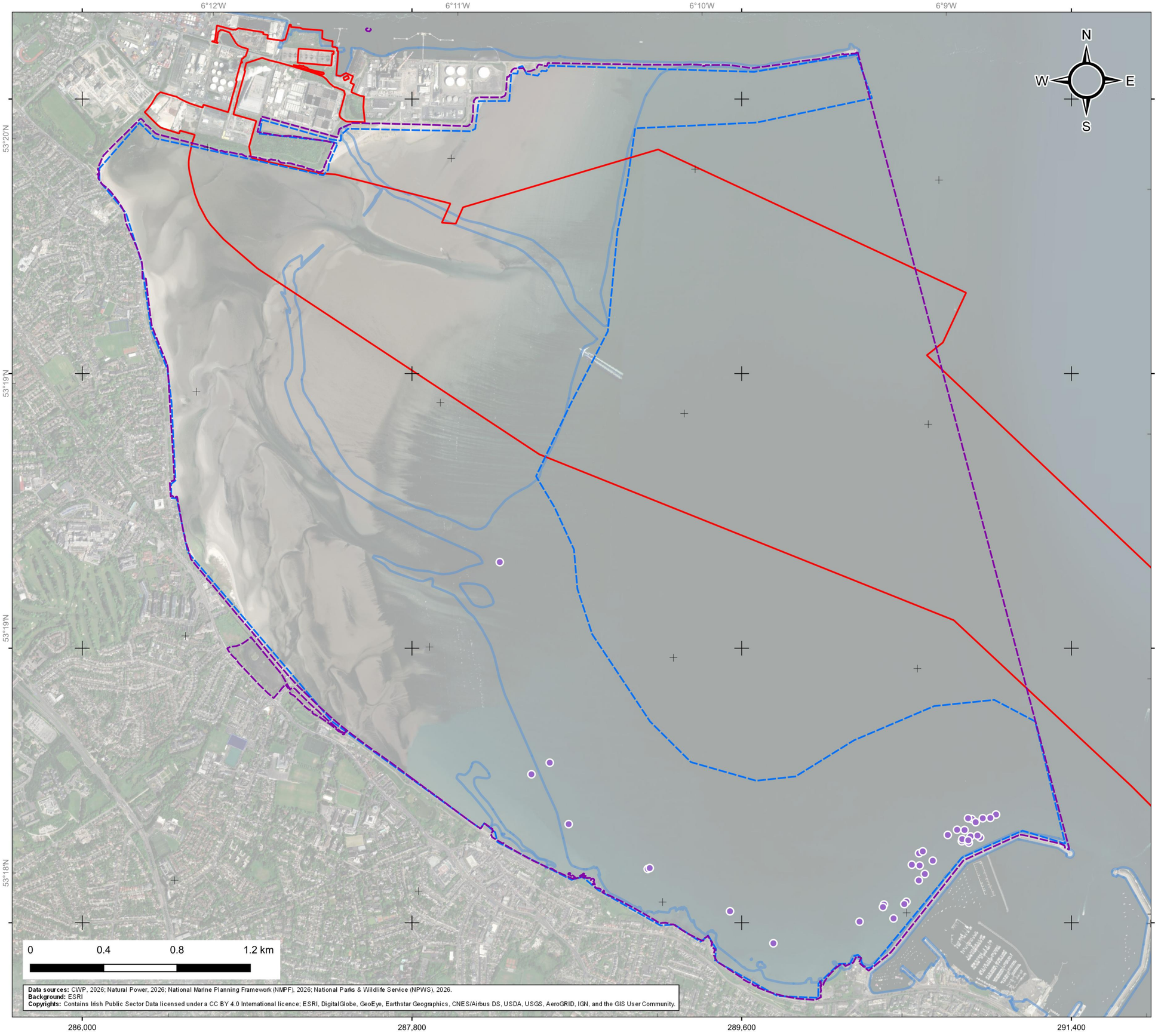
Internal descriptive code: PB_DLH - PAB_LF4_IB _ LESSER.BLACK.BACK.GULL.DENS._MLWS_S.BIRD.INTERTIDAL_S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.61)

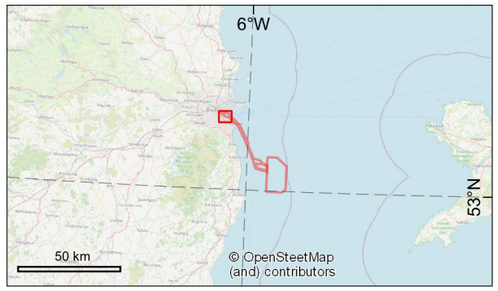
Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
01	For FIR response	2026/04/30	AC	FM/EA	CM





Legend

- Planning Application Boundary (PAB)
- Intertidal landfall survey area
- South Dublin Bay and River Tolka Estuary Special Protection Area (SPA)
- Mean Low Water Springs (MLWS)

Individual recorded (black guillemot)

- 1 - 10
- 10 - 50
- 50 - 200
- 200 - 800
- 800 - 2600

codling wind park

Project: Codling Wind Park

Contractor: natural power www.naturalpower.com

Figure 32
Distribution of black guillemot recorded during the 2025 surveys

CWP doc. number: CWP-NPC-ENG-08-01-MAP-1647

Internal descriptive code: PB..DLH - PAB..LF4.IB - BLACK.GUILLEMOT.DENS..MLWS..S.BIRD.INTERTIDAL..S.D.BUY.and.RIV.TOLKA.SPA - (EIAR.Vol.04.Ch.10.Ap.05.FIG.05.70)

Size: A3

Scale: 1:20,000

CRS: EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
01	For FIR submission	2026/04/20	AC	FM/EA	CM

B. November 2025 to February 2026 intertidal waterbird data

Table 6.1: Summary of November 2025 to January 2026 intertidal waterbirds raw count data

Species	Peak count per month			Nov to Jan peak count
	November 2025	December 2025	January 2026	
Arctic tern	0	0	0	0
Bar-tailed godwit	700	48	305	700
Black-headed gull	643	821	190	821
Black-throated diver	0	0	0	0
Bar-tailed godwit	178	594	296	594
Buzzard	0	0	0	0
Cormorant	1	0	14	14
Common gull	79	25	34	79
Common tern	0	0	0	0
Common/Arctic tern	0	0	0	0
Common sandpiper	0	0	0	0
Curlew	62	51	67	67
Common scoter	0	0	0	0
Dunlin	226	206	716	716
Little egret	6	6	9	9
Great black-backed gull	32	26	46	46
Great crested grebe	0	33	0	33
Greenshank	15	13	15	15
Golden plover	1000	0	265	1000
Guillemot	6	5	0	6
Grey plover	0	0	1	1
Gannet	0	0	0	0
Grey heron	2	2	1	2
Herring gull	218	381	351	381
Kingfisher	0	0	0	0
Kittiwake	0	0	0	0
Knot	270	0	111	270
Lesser black-backed gull	0	0	0	0
Little grebe	0	0	0	0
Mallard	0	0	9	9
Moorhen	0	0	0	0
Mediterranean gull	0	0	2	2

Species	Peak count per month			Nov to Jan peak count
	November 2025	December 2025	January 2026	
Great northern diver	0	0	0	0
Oystercatcher	881	1072	1578	1578
Light-bellied brent goose	174	73	284	284
Peregrine falcon	2	0	0	2
Razorbill	0	0	0	0
Red-throated diver	0	1	0	1
Redshank	88	251	134	251
Red-breasted merganser	7	7	0	7
Ringed plover	10	19	0	19
Roseate tern	0	0	0	0
Ruff	0	0	0	0
Shag	0	1	9	9
Sanderling	177	212	103	212
Shelduck	2	2	4	4
Teal	20	41	11	41
Sandwich tern	0	0	0	0
Turnstone	51	45	99	99
Black guillemot	0	0	0	0

Source: Natural Power

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