



**codling**  
**wind park**



# Environmental Impact Assessment Report

## Volume 4

---

Appendix 10.6 Figures  
showing acoustic and visual  
disturbance areas





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## APPENDIX 10.6 FIGURES SHOWING ACOUSTIC AND VISUAL DISTURBANCE AREAS TO INTERTIDAL WATERBIRDS CONSIDERED DURING THE CONSTRUCTION PHASE OF THE INTERTIDAL OECC AND LANDFALL

### 1 Introduction

1. This Technical Appendix relates to a series of figures in **Chapter 10: Ornithology** of the Codling Wind Park Environmental Impact Assessment Report (EIAR). Specifically, these figures relate to Section 10.10: Impact Assessment - Construction Phase impact 2: Intertidal disturbance and displacement.
2. These figures have been prepared to illustrate the areas of the intertidal zone in South Dublin Bay that are predicted to be impacted by visual and acoustic anthropogenic disturbance associated with landfall construction activities to levels to which intertidal waterbirds may be sensitive, and are representative of the basis under which the visual and acoustic disturbance ornithological assessments were undertaken.

### 2 Figures

3. Figures 1 to 18 show the extents of areas impacted acoustically at least once from piling associated with intertidal tensioner platforms under both the PA and AAM scenarios.
4. Figures 19 to 21 show the extents of areas impacted acoustically at least once from piling associated with Transition Joint Bays (TJBs) under the PA scenario.
5. Figures 22 shows the extents of areas impacted acoustically at least once from piling associated with the construction of a temporary cofferdam under the PA scenario.
6. Figures 23 and 24 show the extents of areas impacted acoustically at least once from activities associated with the construction of an onshore cabling tunnel (with and without sound attenuating mitigation in place).
7. Figures 25 and 26 show the extents of areas impacted acoustically at least once from activities associated with ESN network cabling HDD activities (with and without sound attenuating mitigation in place)
8. **Table 1** below provides a breakdown of each of the scenarios represented in each figure within Technical Appendix 10.6.

Table 1: Breakdown of activity, scenario and PA or AAM represented in each figure within this Technical Appendix

Figure number	Activity	Scenario
1	Tensioner platform piling (PA)	3.1
2		3.2
3		3.3
4		3.4
5		3.5
6		3.6
7		3.7
8		3.8
9		3.9
10	Tensioner platform piling (AAM)	3.1
11		3.2
12		3.3
13		3.4
14		3.5
15		3.6
16		3.7
17		3.8
18		3.9
19	TJB associated piling	2.1
20		2.2
21		2.3
22	Cofferdam associated piling	1a
23	Onshore tunnelling acoustic modelling	4.1
24		4.2
25	ESBN network cabling acoustic modelling	6 (without mitigation)
26		6 (with mitigation)

Table 2: Visual and acoustic impact magnitude parameters resultant from construction phase activities within intertidal areas of South Dublin Bay for each species and each intertidal cable route scenario

Species	Peak Count (Proportion of regional population)	Mean Count per survey across all 81 baseline surveys (Number of surveys receptor recorded)	Intertidal cable route Scenario	Acoustic impacts associated with piling activity			Visual impacts associated with activities along intertidal cable routes
				Average no. of individuals impacted per piling event (Proportion of mean count)	Max average no. of individuals impacted per piling event (Proportion of mean count)		Average no. of individuals impacted (Proportion of mean count)
					Value	Activity (Map location)	
Light-bellied brent goose	602 (1.71%)	77.98 (52/81)	PA	16.70 (21.42%)	21.59 (27.68%)	Tensioner platform piling PA scenario 3.6 (Figure 6)	19.7 (29.71%)
			AAM	19.93 (25.56%)	21.98 (28.18%)	Tensioner platform piling AAM scenario 3.6 (Figure 6)	24.29 (34.64%)
Shelduck	45 (0.44%)	5.49 (51/81)	PA	1.64 (29.82%)	2.17 (39.42%)	Tensioner platform piling PA scenario 3.5 (Figure 5)	1.21 (28.93%)
			AAM	1.85 (33.59%)	2.01 (36.67%)	Tensioner platform piling AAM scenario 3.6 (Figure 6)	1.3 (31.19%)
Shoveler	6 (0.30%)	0.09 (2/81)	PA and AAM	There is no level of overlap between the occurrence of shoveler recorded throughout the survey period and areas which are predicted to be subject to acoustic or visual disturbance at levels to which this species is sensitive under either the PA or AAM scenarios			

Species	Peak Count (Proportion of regional population)	Mean Count per survey across all 81 baseline surveys (Number of surveys receptor recorded)	Intertidal cable route Scenario	Acoustic impacts associated with piling activity			Visual impacts associated with activities along intertidal cable routes
				Average no. of individuals impacted per piling event (Proportion of mean count)	Max average no. of individuals impacted per piling event (Proportion of mean count)		Average no. of individuals impacted (Proportion of mean count)
					Value	Activity (Map location)	
Teal	71 (0.20%)	3.41 (16/81)	PA	0.00 (0.11%)	0.03 (0.77%)	Tensioner platform piling PA scenario 3.4 (Figure 4)	0.07 (1.41%)
			AAM	0.00 (0.09%)	0.03 (0.77%)	Tensioner platform piling AAM scenario 3.5 (Figure 14)	0.07 (1.41%)
Oystercatcher	3677 (6.07%)	861.19 (80/81)	PA	40.22 (4.67%)	71.90 (8.35%)	Tensioner platform piling PA scenario 3.4 (Figure 4)	19.7 (2.36%)
			AAM	50.88 (5.91%)	109.11 (12.67%)	Tensioner platform piling AAM scenario 3.4 (Figure 13)	24.29 (2.91%)
Golden plover	475 (0.52%)	24.14 (15/81)	PA	0.21 (0.85%)	0.89 (3.68%)	Tensioner platform piling PA scenario 3.4 (Figure 4)	0

Species	Peak Count (Proportion of regional population)	Mean Count per survey across all 81 baseline surveys (Number of surveys receptor recorded)	Intertidal cable route Scenario	Acoustic impacts associated with piling activity			Visual impacts associated with activities along intertidal cable routes
				Average no. of individuals impacted per piling event (Proportion of mean count)	Max average no. of individuals impacted per piling event (Proportion of mean count)		Average no. of individuals impacted (Proportion of mean count)
					Value	Activity (Map location)	
			AAM	0.44 (1.83%)	2.20 (9.10%)	Tensioner platform piling AAM scenario 3.4 (Figure 13)	0
Grey plover	45 (1.70%)	3.07 (23/81)	PA	0.12 (3.93%)	0.55 (18.04%)	Tensioner platform piling PA scenario 3.4 (Figure 4)	0.27 (8.02%)
			AAM	0.22 (7.19%)	0.95 (30.81%)	Tensioner platform piling AAM scenario 3.4 (Figure 13)	0.58 (17.37%)
Ringed plover	398 (3.41%)	33.14 (55/81)	PA	0.01 (0.02%)	0.02 (0.07%)	Tensioner platform piling PA scenario 3.2 (Figure 2)	1.14 (2.73%)
			AAM	0.01 (0.04%)	0.04 (0.13%)	Tensioner platform piling AAM scenario 3.4 (Figure 13)	18.18 (43.35%)



Species	Peak Count (Proportion of regional population)	Mean Count per survey across all 81 baseline surveys (Number of surveys receptor recorded)	Intertidal cable route Scenario	Acoustic impacts associated with piling activity			Visual impacts associated with activities along intertidal cable routes
				Average no. of individuals impacted per piling event (Proportion of mean count)	Max average no. of individuals impacted per piling event (Proportion of mean count)		Average no. of individuals impacted (Proportion of mean count)
					Value	Activity (Map location)	
Curlew	237 (0.67%)	47.73 (69/81)	PA	1.61 (3.38%)	4.28 (8.96%)	Tensioner platform piling AAM scenario 3.4 (Figure 13)	7.94 (14.33%)
			AAM	2.12 (4.45%)	5.28 (11.07%)	Tensioner platform piling AAM scenario 3.4 (Figure 13)	11.09 (20.01%)
Bar-tailed godwit	1260 (7.62%)	177.62 (63/81)	PA	1.69 (0.95%)	4.50 (2.54%)	Cofferdam piling PA scenario 1a (Figure 22)	6.95 (3.1%)
			AAM	4.26 (2.40%)	14.86 (8.37%)	Tensioner platform piling AAM scenario 3.9 (Figure 18)	32.17 (14.35%)
Black-tailed godwit	830 (4.19%)	110.81 (57/81)	PA	0.62 (0.56%)	0.76 (0.68%)	Tensioner platform piling PA scenario 3.6 (Figure 6)	3.98 (2.74%)

Species	Peak Count (Proportion of regional population)	Mean Count per survey across all 81 baseline surveys (Number of surveys receptor recorded)	Intertidal cable route Scenario	Acoustic impacts associated with piling activity			Visual impacts associated with activities along intertidal cable routes
				Average no. of individuals impacted per piling event (Proportion of mean count)	Max average no. of individuals impacted per piling event (Proportion of mean count)		Average no. of individuals impacted (Proportion of mean count)
					Value	Activity (Map location)	
			AAM	1.38 (1.24%)	4.25 (3.84%)	Tensioner platform piling AAM scenario 3.9 (Figure 18)	8.3 (5.71%)
Turnstone	310 (3.27%)	66.37 (73/81)	PA	0.01 (0.02%)	0.11 (0.17%)	Tensioner platform piling PA scenario 3.3 (Figure 3)	0.35 (0.45%)
			AAM	0.03 (0.05%)	0.28 (0.43%)	Tensioner platform piling AAM scenario 3.3 (Figure 12)	1.04 (1.31%)
Knot	10890 (66.93%)	775.28 (36/81)	PA	116.06 (14.97%)	283.89 (36.62%)	Cofferdam piling PA scenario 1a (Figure 22)	14.57 (1.64%)
			AAM	136.83 (17.65%)	251.98 (32.50%)	Tensioner platform piling AAM scenario 3.4 (Figure 13)	141.98 (15.98%)

Species	Peak Count (Proportion of regional population)	Mean Count per survey across all 81 baseline surveys (Number of surveys receptor recorded)	Intertidal cable route Scenario	Acoustic impacts associated with piling activity			Visual impacts associated with activities along intertidal cable routes
				Average no. of individuals impacted per piling event (Proportion of mean count)	Max average no. of individuals impacted per piling event (Proportion of mean count)		Average no. of individuals impacted (Proportion of mean count)
					Value	Activity (Map location)	
Sanderling	408 (4.85%)	53.06 (47/81)	PA	0.01 (0.02%)	0.07 (0.13%)	Tensioner platform piling PA scenario 3.6 (Figure 6)	0.59 (10.2%)
			AAM	0.04 (0.08%)	0.29 (0.55%)	Tensioner platform piling AAM scenario 3.4 (Figure 13)	4.44 (7.71%)
Dunlin	5495 (12.01%)	596.75 (57/81)	PA	1.62 (0.27%)	4.20 (0.70%)	Tensioner platform piling PA scenario 3.2 (Figure 2)	65.39 (10.46%)
			AAM	1.74 (0.29%)	4.20 (0.70%)	Tensioner platform piling AAM scenario 3.2 (Figure 11)	244.09 (39.03%)
Redshank	1337 (5.62%)	166.70 (68/81)	PA	49.60 (29.75%)	61.47 (36.87%)	Tensioner platform piling PA scenario 3.5 (Figure 5)	12.96 (7.61%)

Species	Peak Count (Proportion of regional population)	Mean Count per survey across all 81 baseline surveys (Number of surveys receptor recorded)	Intertidal cable route Scenario	Acoustic impacts associated with piling activity			Visual impacts associated with activities along intertidal cable routes
				Average no. of individuals impacted per piling event (Proportion of mean count)	Max average no. of individuals impacted per piling event (Proportion of mean count)		Average no. of individuals impacted (Proportion of mean count)
					Value	Activity (Map location)	
			AAM	54.48 (32.68%)	81.28 (48.76%)	Tensioner platform piling AAM scenario 3.4 (Figure 13)	25.32 (14.86%)
Black-headed gull	3826 (3.83% of regional non- breeding population)	753.30 (80/81)	PA	2.03 (0.27%)	6.35 (0.84%)	Cofferdam piling PA scenario 1a (22)	71.27 (8.57%)
			AAM	2.08 (0.28%)	4.56 (0.61%)	Tensioner platform piling AAM scenario 3.3 (Figure 12)	211.77 (25.46%)
<i>Sterna</i> terns (diurnal)	497 (0.33% of regional post- breeding population)	20.16 (23/81)	PA	0.19 (0.95%)	0.58 (2.88%)	Tensioner platform piling PA scenario 3.4 (Figure 4)	1.68 (6.01%)
			AAM	0.30 (1.49%)	0.99 (4.92%)	Tensioner platform piling AAM scenario 3.9 (Figure 18)	2.88 (10.26%)

Species	Peak Count (Proportion of regional population)	Mean Count per survey across all 81 baseline surveys (Number of surveys receptor recorded)	Intertidal cable route Scenario	Acoustic impacts associated with piling activity			Visual impacts associated with activities along intertidal cable routes
				Average no. of individuals impacted per piling event (Proportion of mean count)	Max average no. of individuals impacted per piling event (Proportion of mean count)		Average no. of individuals impacted (Proportion of mean count)
					Value	Activity (Map location)	
Great crested grebe	912 (31.13%)	57.49 (64/81)	PA	0.87 (1.50%)	3.09 (5.38%)	Tensioner platform piling PA scenario 3.4 (Figure 4)	4.02 (5.91%)
			AAM	1.34 (2.33%)	3.09 (5.38%)	Tensioner platform piling AAM scenario 3.7 (Figure 16)	14.14 (20.77%)
Red-breasted merganser	151 (6.21%)	17.62 (67/81)	PA	2.86 (16.21%)	4.50 (25.55%)	Tensioner platform piling AAM scenario 3.4 (Figure 13)	2.52 (14.26%)
			AAM	3.69 (20.96%)	5.97 (33.90%)	Tensioner platform piling AAM scenario 3.7 (Figure 16)	3.13 (17.68%)
Red-throated diver	71 (9.22% of regional non-	4.19 (42/81)	PA	0.07 (1.60%)	0.21 (4.92%)	Cofferdam piling PA scenario 1a (Figure 22)	0.09 (2.03%)



Species	Peak Count (Proportion of regional population)	Mean Count per survey across all 81 baseline surveys (Number of surveys receptor recorded)	Intertidal cable route Scenario	Acoustic impacts associated with piling activity			Visual impacts associated with activities along intertidal cable routes
				Average no. of individuals impacted per piling event (Proportion of mean count)	Max average no. of individuals impacted per piling event (Proportion of mean count)		Average no. of individuals impacted (Proportion of mean count)
					Value	Activity (Map location)	
	breeding population)		AAM	0.20 (4.82%)	0.32 (7.68%)	Tensioner platform piling AAM scenario 3.4 (Figure 13)	0.11 (5.54%)
Herring gull	5646 (3.02% of regional non- breeding population)	355.09 (79/81)	PA	0.34 (0.10%)	1.18 (0.33%)	Tensioner platform piling PA scenario 3.5 (Figure 5)	33.95 (7.36%)
			AAM	0.47 (0.13%)	0.40 (0.11%)	Tensioner platform piling AAM scenario 3.1 (Figure 10)	85.03 (18.44%)
Little egret	90 (6.47%)	8.15 (66/81)	PA	0.29 (3.59%)	0.45 (5.55%)	Tensioner platform piling PA scenario 3.6 (Figure 6)	1.31 (19.03%)
			AAM	0.33 (4.07%)	0.40 (4.85%)	Tensioner platform piling AAM scenario 3.4 (Figure 13)	1.42 (20.71%)

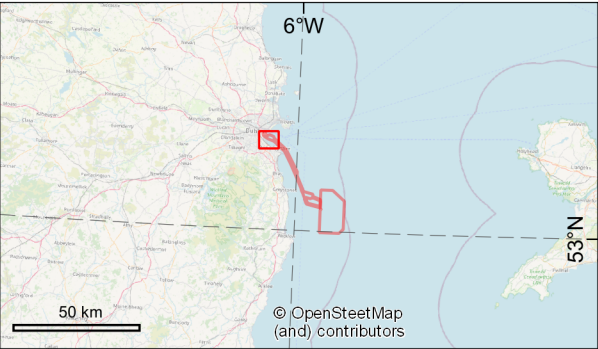
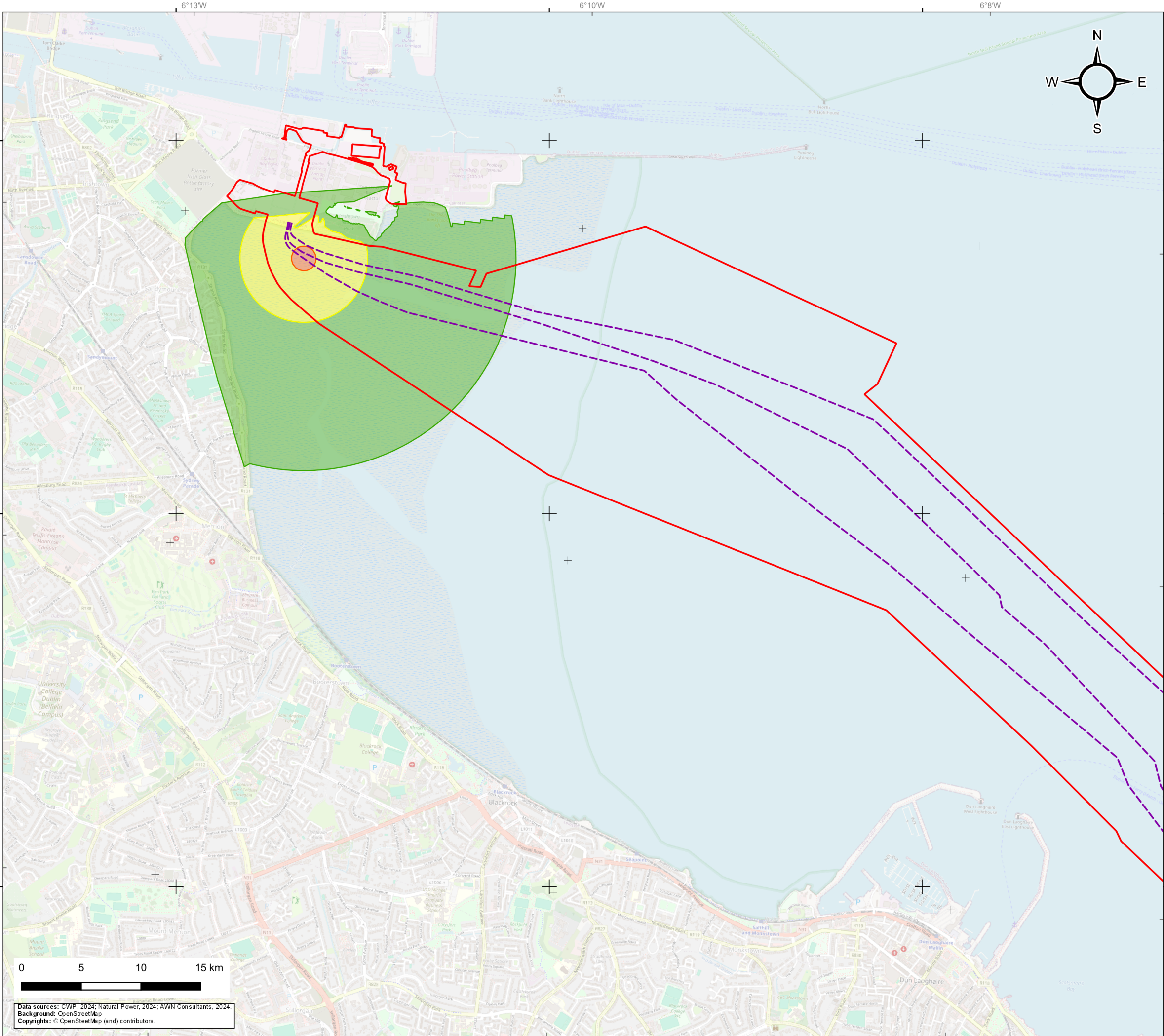
Species	Peak Count (Proportion of regional population)	Mean Count per survey across all 81 baseline surveys (Number of surveys receptor recorded)	Intertidal cable route Scenario	Acoustic impacts associated with piling activity			Visual impacts associated with activities along intertidal cable routes
				Average no. of individuals impacted per piling event (Proportion of mean count)	Max average no. of individuals impacted per piling event (Proportion of mean count)		Average no. of individuals impacted (Proportion of mean count)
					Value	Activity (Map location)	
Greenshank	109 (8.26%)	4.47 (39/81)	PA	0.69 (15.50%)	1.01 (22.70%)	Tensioner platform piling PA scenario 3.1 (Figure 1)	0.64 (20.27%)
			AAM	0.74 (16.65%)	1.02 (22.71%)	Tensioner platform piling AAM scenario 3.1 (Figure 10)	0.65 (20.59%)
Mediterranean gull	87 (37.99% of regional non- breeding population)	12.59 (55/81)	PA	0.01 (0.07%)	0.03 (0.26%)	Tensioner platform piling PA scenario 3.6 (Figure 6)	0.48 (2.79%)
			AAM	0.01 (0.06%)	0.04 (0.34%)	Tensioner platform piling AAM scenario 3.6 (Figure 15)	1.44 (8.32%)
Common gull	512 (0.76% of regional non-	59.26 (78/81)	PA	0.03 (0.06%)	0.14 (0.23%)	Tensioner platform piling PA scenario 3.5 (Figure 5)	1.33 (2.89%)

Species	Peak Count (Proportion of regional population)	Mean Count per survey across all 81 baseline surveys (Number of surveys receptor recorded)	Intertidal cable route Scenario	Acoustic impacts associated with piling activity			Visual impacts associated with activities along intertidal cable routes
				Average no. of individuals impacted per piling event (Proportion of mean count)	Max average no. of individuals impacted per piling event (Proportion of mean count)		Average no. of individuals impacted (Proportion of mean count)
					Value	Activity (Map location)	
	breeding population)		AAM	0.03 (0.06%)	0.09 (0.15%)	Tensioner platform piling AAM scenario 3.6 (Figure 15)	4.04 (8.78%)
Great black- backed gull	241 (0.45% of regional non- breeding population)	35.59 (76/81)	PA	0.03 (0.09%)	0.14 (0.40%)	Tensioner platform piling PA scenario 3.5 (Figure 5)	2.76 (7.15%)
			AAM	0.04 (0.11%)	0.10 (0.29%)	Tensioner platform piling AAM scenario 3.6 (Figure 15)	8.54 (22.16%)
Lesser black- backed gull	150 (0.09% of regional non- breeding population)	12.47 (61/81)	PA	0.01 (0.08%)	0.02 (0.17%)	Tensioner platform piling PA scenario 3.2 (Figure 2)	0.89 (5.25%)
			AAM	0.01 (0.10%)	0.06 (0.51%)	Tensioner platform piling AAM scenario 3.4 (Figure 13)	3.13 (18.35%)

Species	Peak Count (Proportion of regional population)	Mean Count per survey across all 81 baseline surveys (Number of surveys receptor recorded)	Intertidal cable route Scenario	Acoustic impacts associated with piling activity			Visual impacts associated with activities along intertidal cable routes
				Average no. of individuals impacted per piling event (Proportion of mean count)	Max average no. of individuals impacted per piling event (Proportion of mean count)		Average no. of individuals impacted (Proportion of mean count)
					Value	Activity (Map location)	
Sandwich tern (diurnal)	231 (1.59% of regional post- breeding population)	16.81 (28/81)	PA	0.07 (0.40%)	0.18 (1.06%)	Tensioner platform piling PA scenario 3.7 (Figure 7)	0.6 (2.7%)
			AAM	0.11 (0.63%)	0.24 (1.45%)	Tensioner platform piling AAM scenario 3.4 (Figure 13)	1.48 (6.64%)
Shag	83 (0.49% of regional non- breeding population)	8.11 (71/81)	PA	0.04 (0.54%)	0.22 (2.67%)	Tensioner platform piling PA scenario 3.4 (Figure 4)	0.6 (4.8%)
			AAM	0.06 (0.69%)	0.22 (2.67%)	Tensioner platform piling AAM scenario 3.5 (Figure 14)	0.71 (5.7%)
Black guillemot	32 (3.07% of regional non-	4.15 (62/81)	PA	0.00 (0.08%)	0.02 (0.60%)	Tensioner platform piling PA scenario 3.9 (Figure 9)	0.04 (0.95%)

Species	Peak Count (Proportion of regional population)	Mean Count per survey across all 81 baseline surveys (Number of surveys receptor recorded)	Intertidal cable route Scenario	Acoustic impacts associated with piling activity			Visual impacts associated with activities along intertidal cable routes
				Average no. of individuals impacted per piling event (Proportion of mean count)	Max average no. of individuals impacted per piling event (Proportion of mean count)		Average no. of individuals impacted (Proportion of mean count)
					Value	Activity (Map location)	
	breeding population)		AAM	0.00 (0.07%)	0.02 (0.60%)	Tensioner platform piling AAM scenario 3.9 (Figure 18)	0.04 (0.95%)
Common scoter	99 (0.93%)	6.88 (23/81)	PA	0.36 (5.16%)	1.13 (16.47%)	Tensioner platform piling PA scenario 3.7 (Figure 7)	0.71 (12.54%)
			AAM	0.69 (10.06%)	2.97 (43.24%)	Tensioner platform piling AAM scenario 3.7 (Figure 16)	0.71 (12.54%)
Grey heron	25 (0.96%)	3.21 (70/81)	PA	0.09 (2.83%)	0.18 (5.68%)	Tensioner platform piling PA scenario 3.5 (Figure 5)	0.4 (10.94%)
			AAM	0.09 (2.88%)	0.15 (4.82%)	Tensioner platform piling AAM scenario 3.5 (Figure 14)	0.42 (11.6%)





**Legend**

Planning Application Boundary (PAB)


Offshore export cable – preferred alignment (PA)

**Tensioner platforms PA scenario 3.1**

Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)



Project:

Codling Wind Park

Contractor:


  
www.naturalpower.com

Figure 1

Extent of intertidal acoustic impact from  
tensioner platform piling scenario 3.1  
(PA scenario)

CWP doc. number:

CWP-NPC-ENG-08-01-MAP-1177

Internal descriptive code:

PB.DLH - PAB.OECs.3PB.OptB.DPNM.TP.3.1 - -  
(OSM.EIAR.Vol.04.Ch.10.Ap.06.FIG.01)

Size:

A3

Scale:

1:25,000

CRS:

EPSG 25830

Rev.

Updates

Date

By

Chk'd

App'd

A

Final version

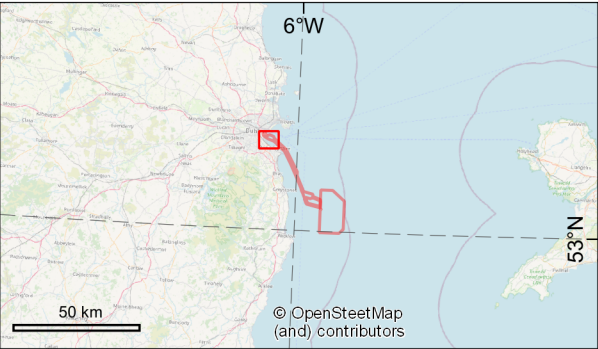
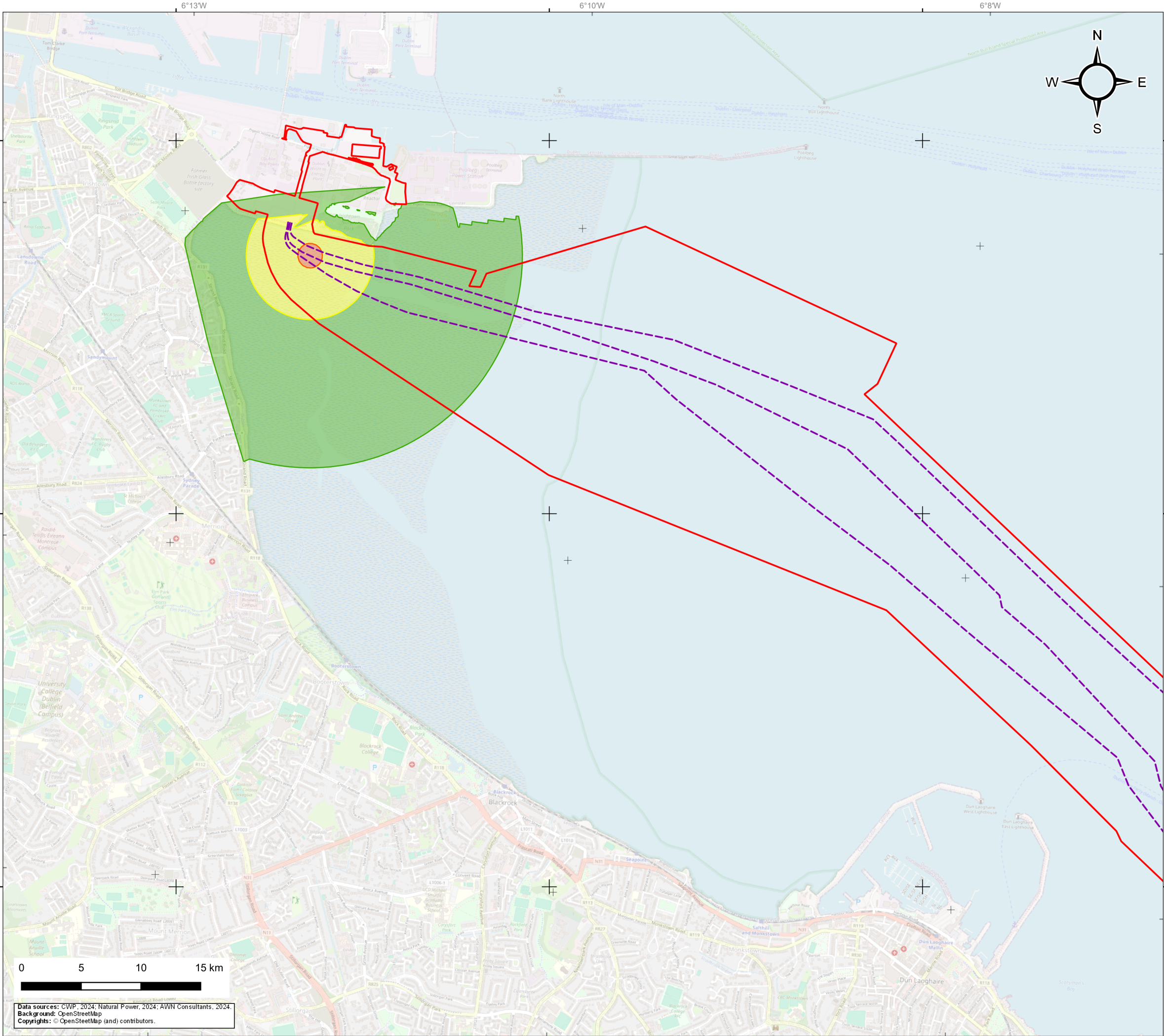
2024/08/13

AC

FM/EA

CP





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – preferred alignment (PA)

**Tensioner platforms PA scenario 3.2**

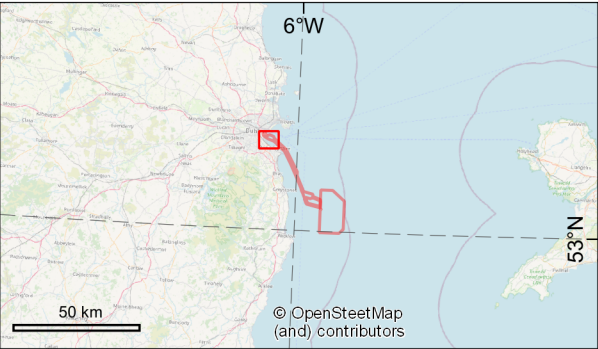
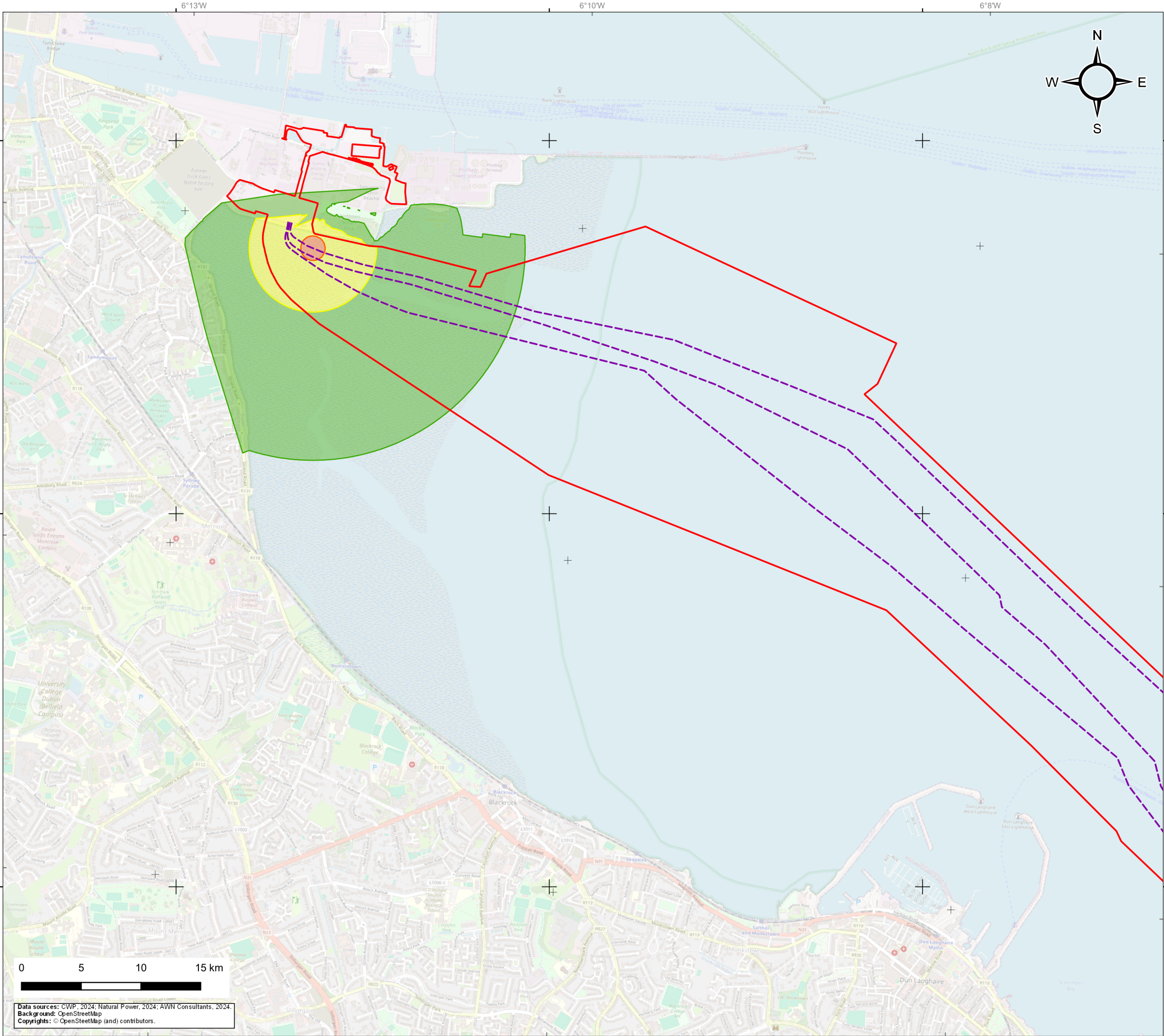
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		Project: Codling Wind Park		Contractor:  www.naturalpower.com	
<div>Figure 2</div> <div>Extent of intertidal acoustic impact from tensioner platform piling scenario 3.2 (PA scenario)</div>					
CWP doc. number: CWP-NPC-ENG-08-01-MAP-1187					
Internal descriptive code: PB.DLH - PAB_OECs.3PB.OptB.DPNM.TP.3.2 - - (OSM_EIAR.Vol.04.Ch.10.Ap.06.FIG.02)			Size: A3 Scale: 1:25,000		CRS: EPSG 25830
Rev.	Updates		Date	By	Chk'd App'd
A	Final version		2024/08/13	AC	FM/EA CP





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – preferred alignment (PA)

**Tensioner platforms PA scenario 3.3**

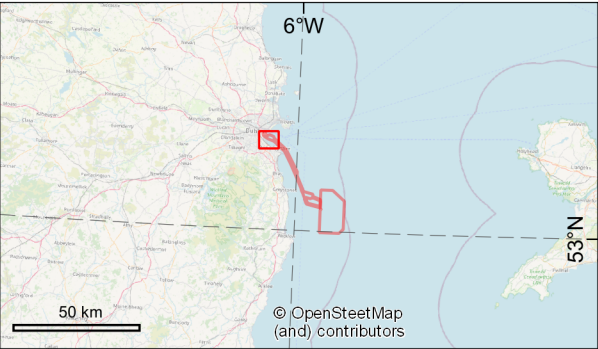
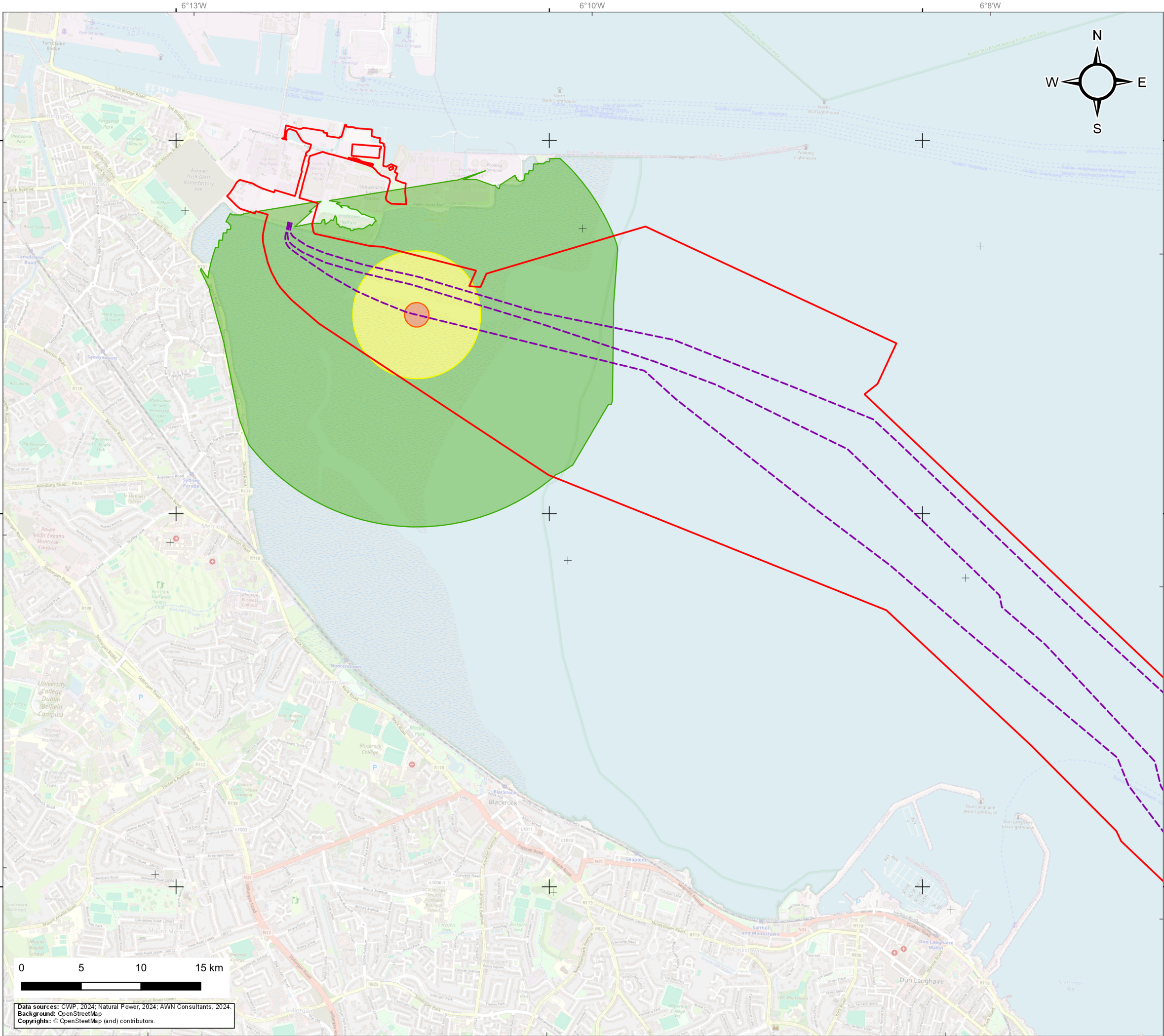
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		<div>Project:</div> <div>Codling Wind Park</div>		<div>Contractor:</div> <div> www.naturalpower.com</div>	
<div>Figure 3</div> <div>Extent of intertidal acoustic impact from tensioner platform piling scenario 3.3 (PA scenario)</div>					
<div>CWP doc. number:</div> <div>CWP-NPC-ENG-08-01-MAP-1188</div>					
<div>Internal descriptive code:</div> <div>PB_DLH - PAB_OECs.3PB.OptB.DPNM.TP.3.3 - - (OSM_EIAR.Vol.04.Ch.10.Ap.06.FIG.03)</div>			<div>Size:</div> <div>A3</div>		<div>CRS:</div> <div>EPSG 25830</div>
<div>Rev.</div>	<div>Updates</div>	<div>Date</div>	<div>By</div>	<div>Chk'd</div>	<div>App'd</div>
A	Final version	2024/08/13	AC	FM/EA	CP





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – preferred alignment (PA)

**Tensioner platforms PA scenario 3.4**

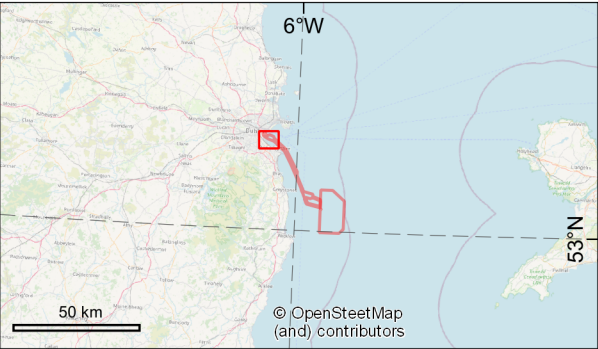
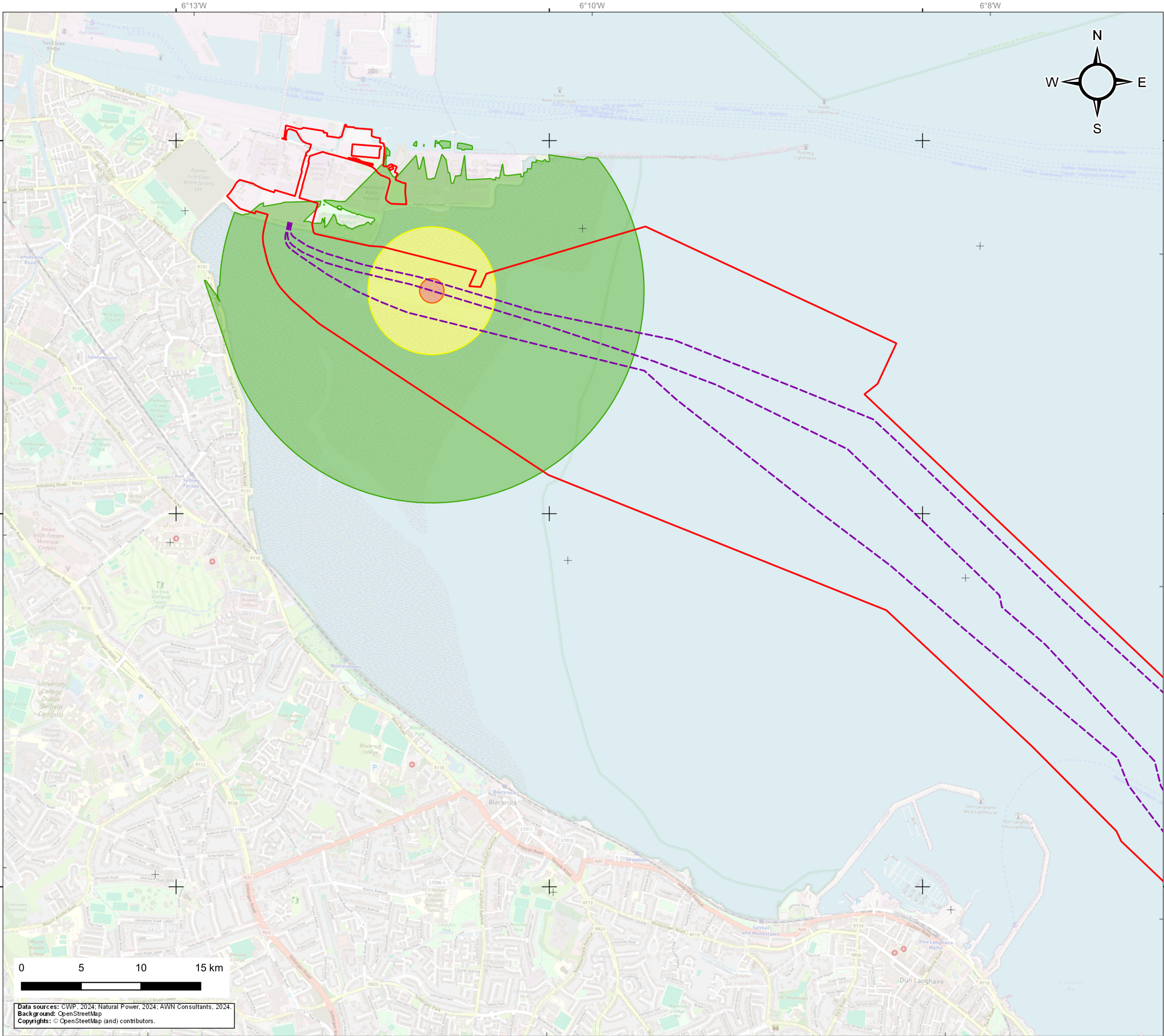
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		Project: Codling Wind Park		Contractor:  www.naturalpower.com	
<div>Figure 4</div> <div>Extent of intertidal acoustic impact from tensioner platform piling scenario 3.4 (PA scenario)</div>					
CWP doc. number: CWP-NPC-ENG-08-01-MAP-1189					
Internal descriptive code: PB_DLH - PAB_OECs.3PB.OptB.DPNM.TP.3.4 - - (OSM_EIAR.Vol.04.Ch.10.Ap.06.FIG.04)			Size: A3 Scale: 1:25,000		CRS: EPSG 25830
Rev.	Updates		Date	By	Chk'd App'd
A	Final version		2024/08/13	AC	FM/EA CP





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – preferred alignment (PA)

**Tensioner platforms PA scenario 3.5**

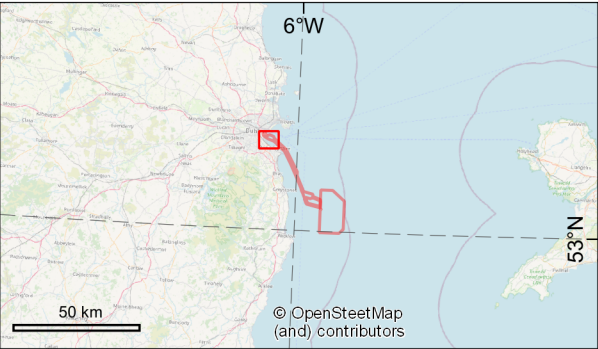
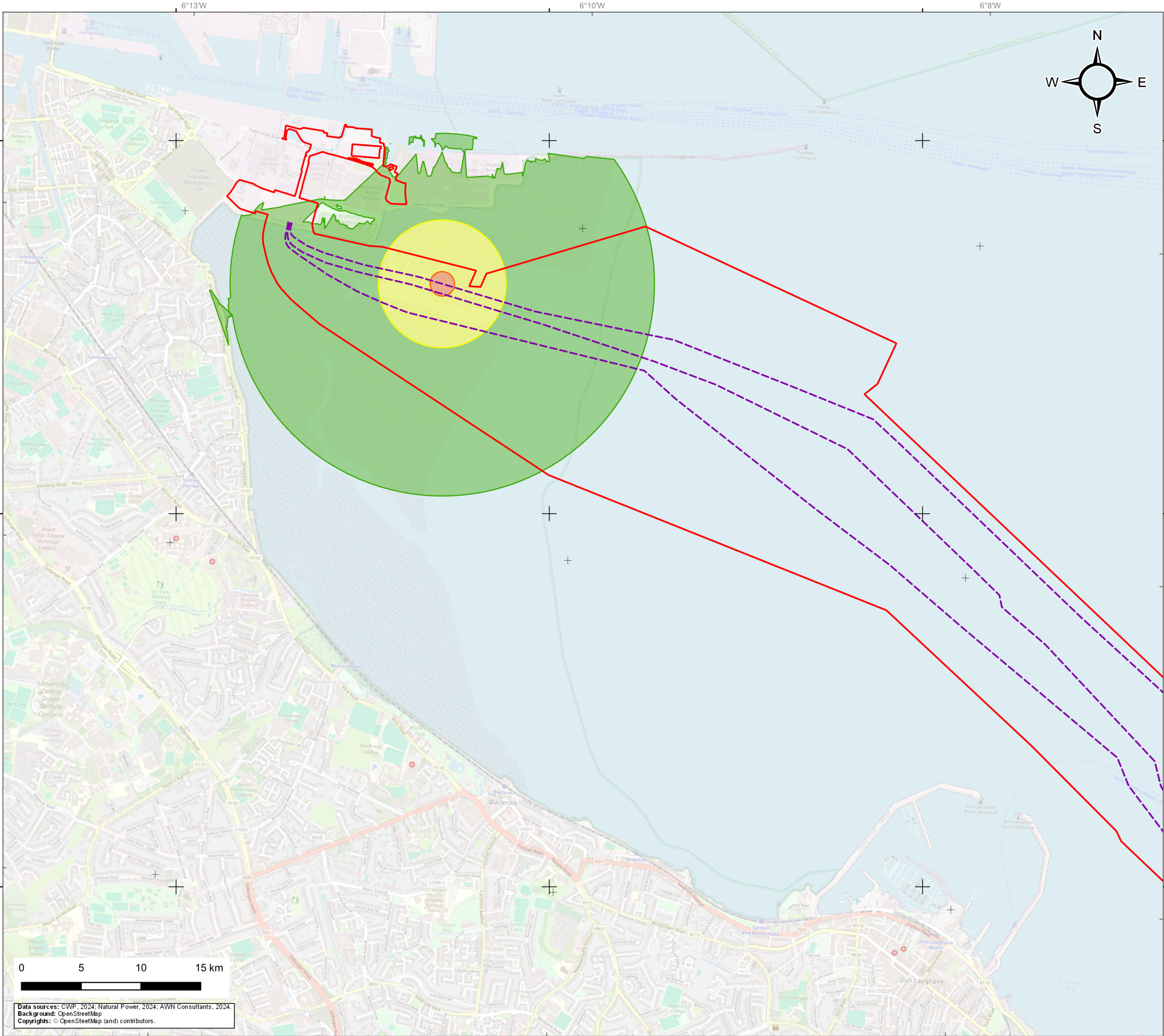
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		<div>Project:</div> <div>Codling Wind Park</div>		<div>Contractor:</div> <div> www.naturalpower.com</div>	
<div>Figure 5</div> <div>Extent of intertidal acoustic impact from tensioner platform piling scenario 3.5 (PA scenario)</div>					
<div>CWP doc. number:</div> <div>CWP-NPC-ENG-08-01-MAP-1190</div>					
<div>Internal descriptive code:</div> <div>PB_DLH - PAB_OECs.3PB.OptB.DPNM.TP.3.5 - - (OSM_EIAR.Vol.04.Ch.10.Ap.06.FIG.05)</div>			<div>Size:</div> <div>A3</div>		<div>CRS:</div> <div>EPSG 25830</div>
<div>Rev.</div>	<div>Updates</div>	<div>Date</div>	<div>By</div>	<div>Chk'd</div>	<div>App'd</div>
A	Final version	2024/08/13	AC	FM/EA	CP





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – preferred alignment (PA)

**Tensioner platforms PA scenario 3.6**

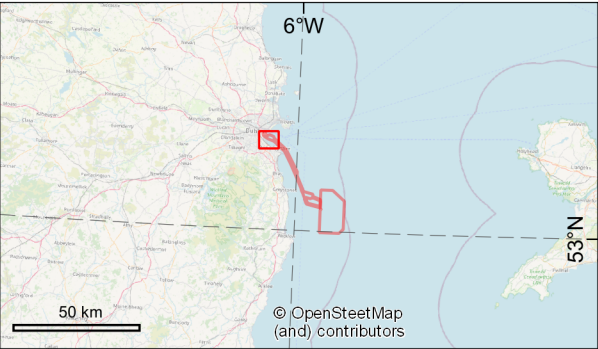
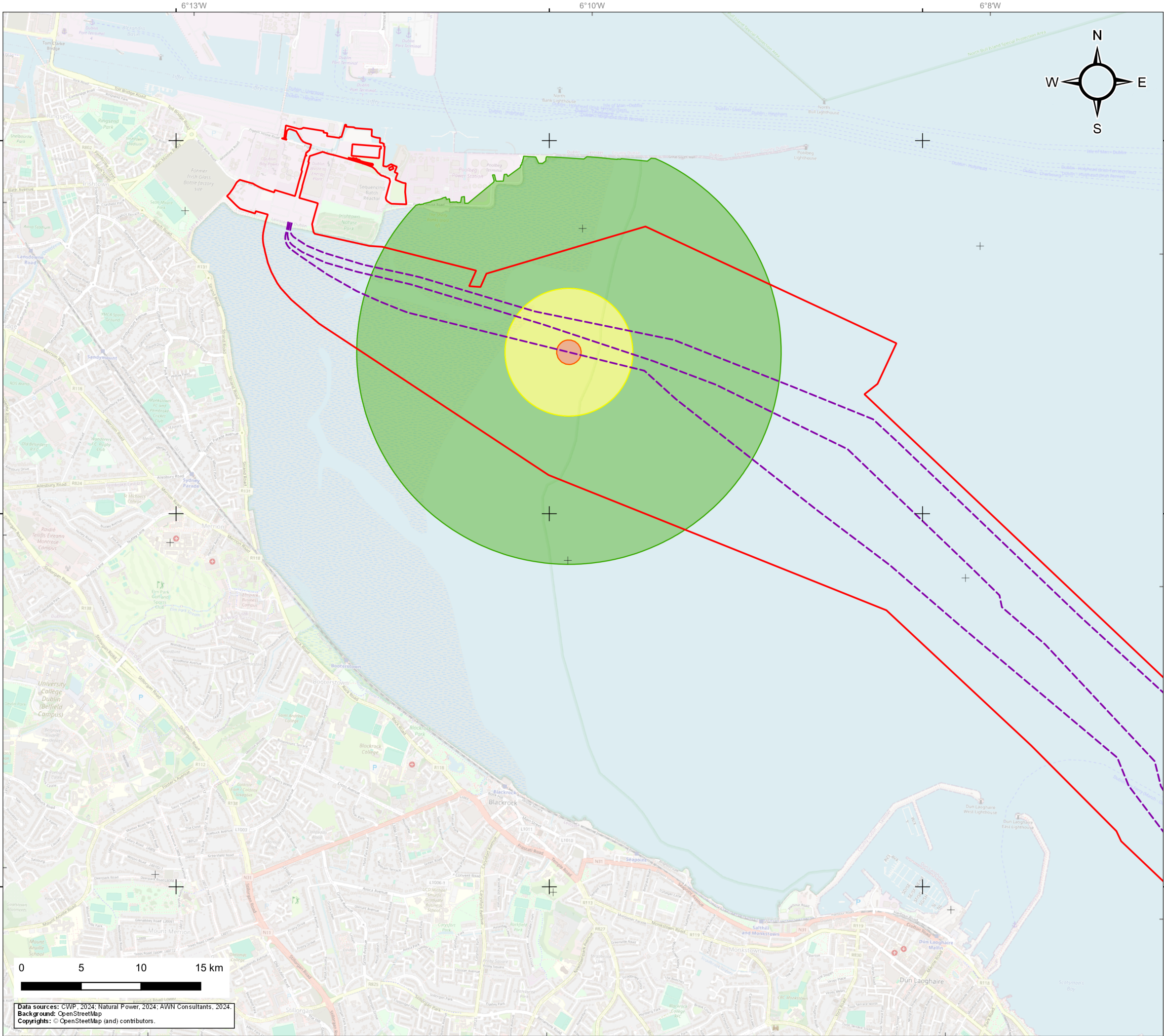
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		<div>Project:</div> <div>Codling Wind Park</div>		<div>Contractor:</div> <div> www.naturalpower.com</div>	
<div>Figure 6</div> <div>Extent of intertidal acoustic impact from tensioner platform piling scenario 3.6 (PA scenario)</div>					
<div>CWP doc. number:</div> <div>CWP-NPC-ENG-08-01-MAP-1191</div>					
<div>Internal descriptive code:</div> <div>PB.DLH - PAB_OECs.3PB.OptB.DPNM.TP.3.6 - - (OSM_EIAR.Vol.04.Ch.10.Ap.06.FIG.06)</div>			<div>Size:</div> <div>A3</div>	<div>CRS:</div> <div>EPSG 25830</div>	
<div>Scale:</div> <div>1:25,000</div>			<div>Date</div>	<div>By</div>	<div>Chk'd</div>
<div>Rev.</div>	<div>Updates</div>		<div>2024/08/13</div>	<div>AC</div>	<div>FM/EA</div>
<div>A</div>	<div>Final version</div>			<div>CP</div>	





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – preferred alignment (PA)

**Tensioner platforms PA scenario 3.7**

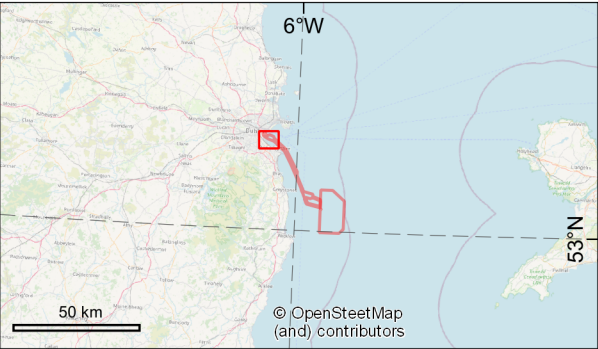
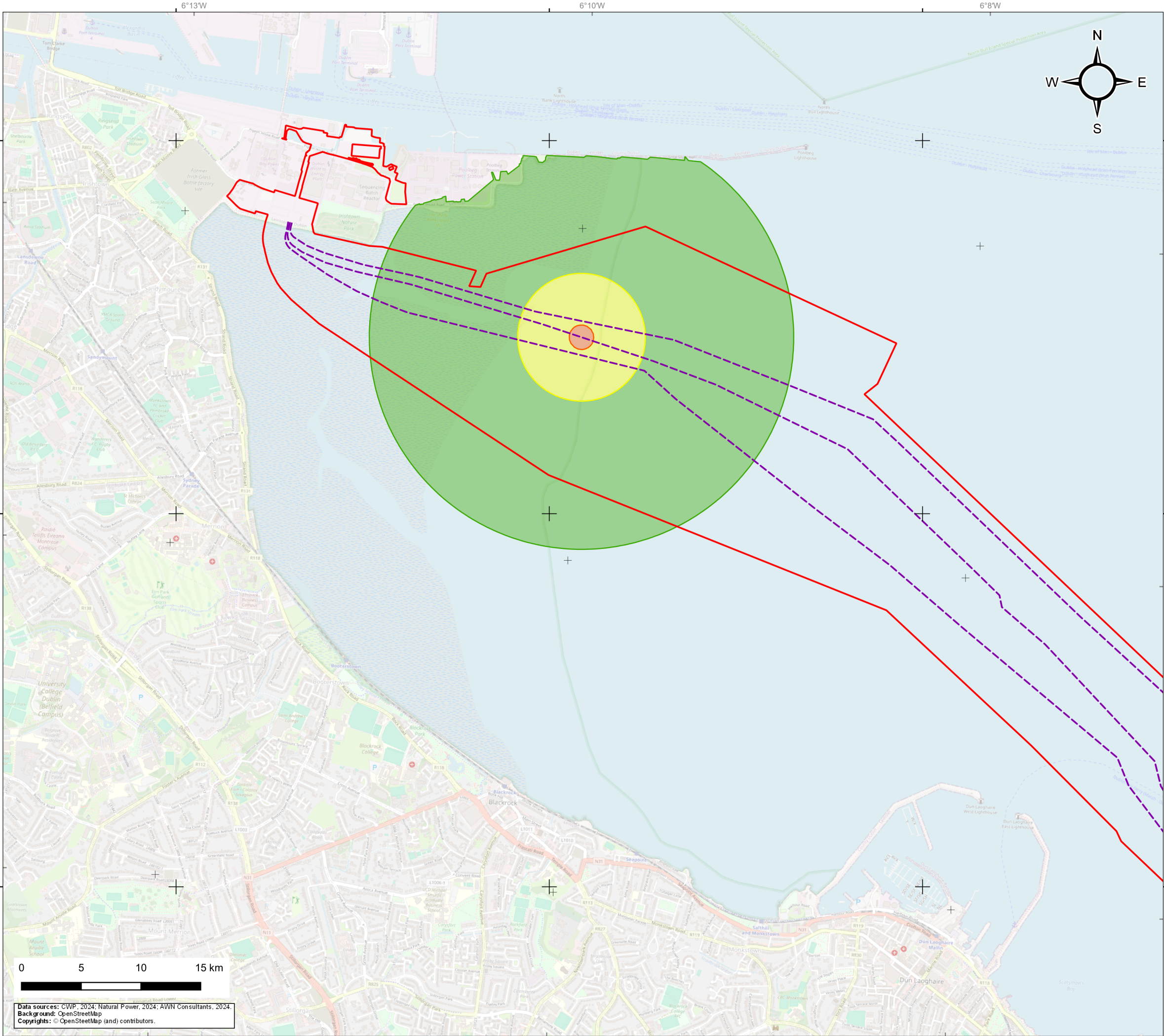
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		Project: Codling Wind Park		Contractor:  www.naturalpower.com	
<div>Figure 7</div> <div>Extent of intertidal acoustic impact from tensioner platform piling scenario 3.7 (PA scenario)</div>					
CWP doc. number: CWP-NPC-ENG-08-01-MAP-1192					
Internal descriptive code: PB_DLH - PAB_OECs.3PB.OptB.DPNM.TP.3.7 - - (OSM_EIAR.Vol.04.Ch.10.Ap.06.FIG.07)			Size: A3 Scale: 1:25,000		CRS: EPSG 25830
Rev.	Updates		Date	By	Chk'd App'd
A	Final version		2024/08/13	AC	FM/EA CP





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – preferred alignment (PA)

**Tensioner platforms PA scenario 3.8**

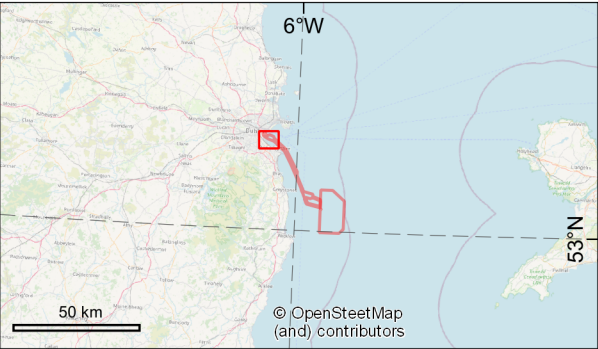
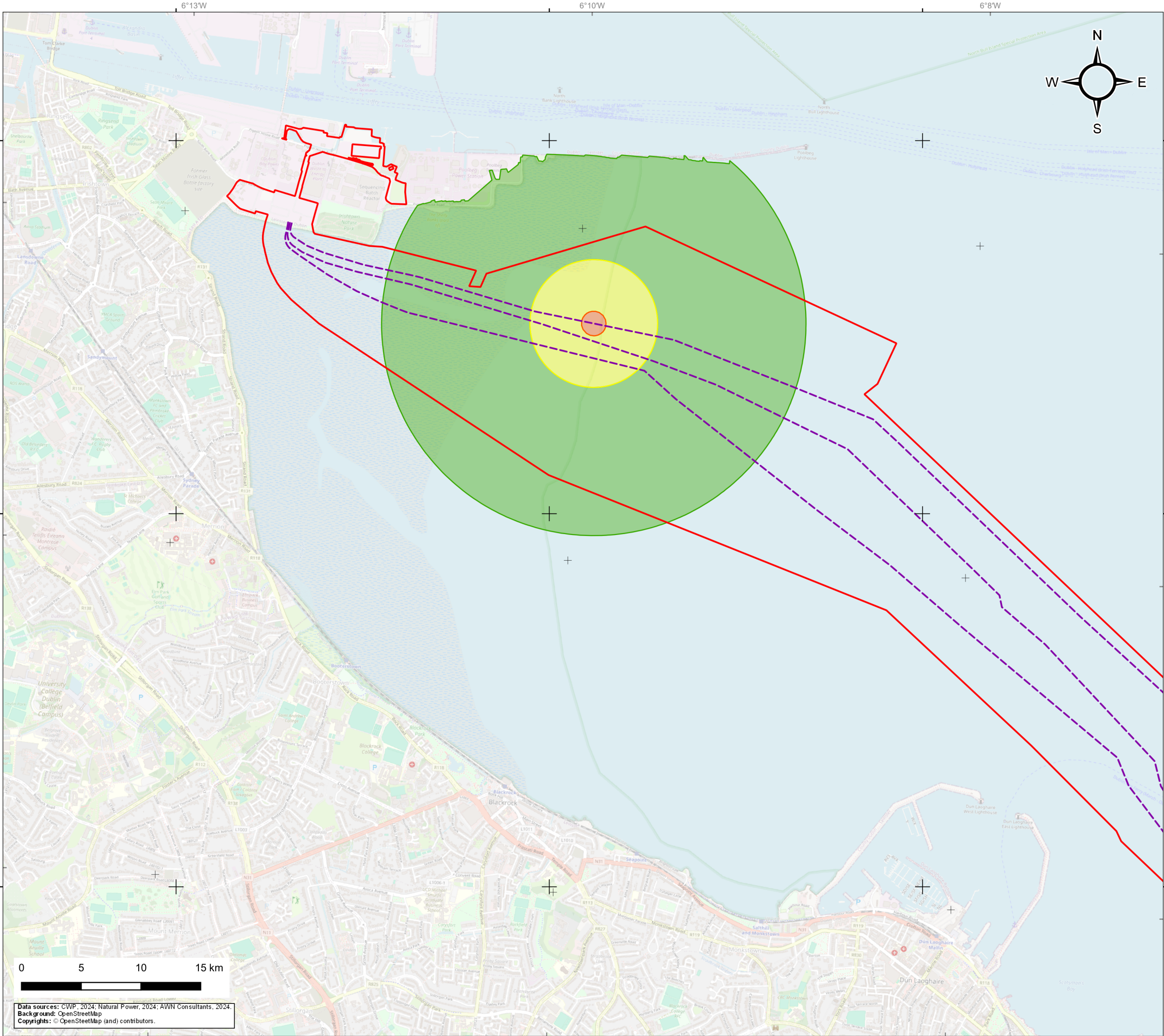
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		Project: Codling Wind Park		Contractor:  www.naturalpower.com	
<div>Figure 8</div> <div>Extent of intertidal acoustic impact from tensioner platform piling scenario 3.8 (PA scenario)</div>					
CWP doc. number: CWP-NPC-ENG-08-01-MAP-1193					
Internal descriptive code: PB.DLH - PAB_OECs.3PB.OptB.DPNM.TP.3.8 - - (OSM_EIAR.Vol.04.Ch.10.Ap.06.FIG.08)			Size: A3 Scale: 1:25,000		CRS: EPSG 25830
Rev.	Updates		Date	By	Chk'd App'd
A	Final version		2024/08/13	AC	FM/EA CP





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – preferred alignment (PA)

**Tensioner platforms PA scenario 3.9**

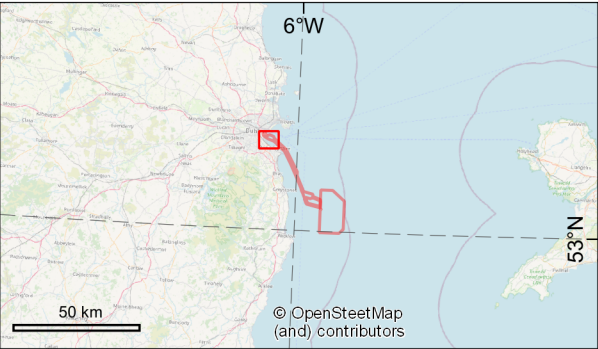
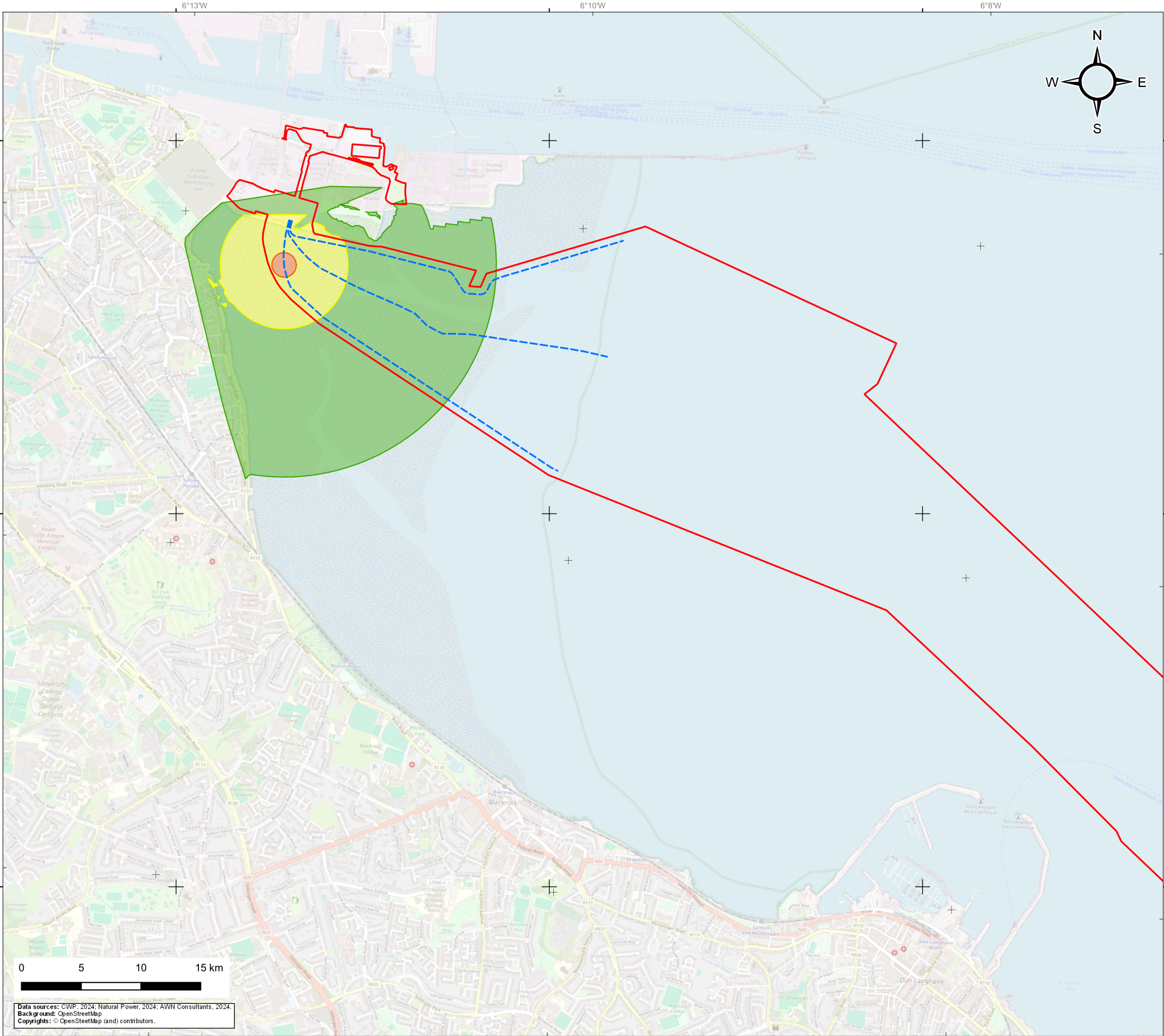
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		<div>Project:</div> <div>Codling Wind Park</div>		<div>Contractor:</div> <div> www.naturalpower.com</div>	
<div>Figure 9</div> <div>Extent of intertidal acoustic impact from tensioner platform piling scenario 3.9 (PA scenario)</div>					
<div>CWP doc. number:</div> <div>CWP-NPC-ENG-08-01-MAP-1194</div>					
<div>Internal descriptive code:</div> <div>PB.DLH - PAB_OECs.3PB.OptB.DPNM.TP.3.9 - - (OSM_EIAR.Vol.04.Ch.10.Ap.06.FIG.09)</div>			<div>Size:</div> <div>A3</div>		<div>CRS:</div> <div>EPSG 25830</div>
<div>Rev.</div>	<div>Updates</div>	<div>Date</div>	<div>By</div>	<div>Chk'd</div>	<div>App'd</div>
A	Final version	2024/08/13	AC	FM/EA	CP





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – alternative alignment

**Tensioner platforms AAM scenario 3.1**

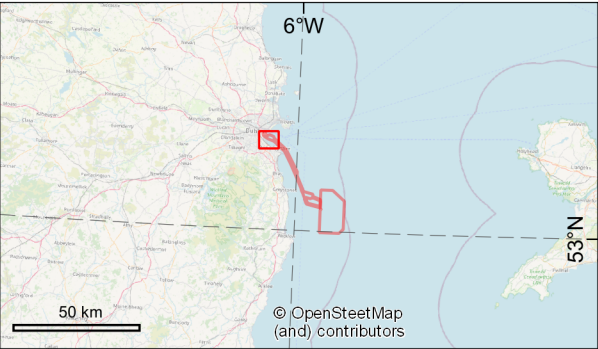
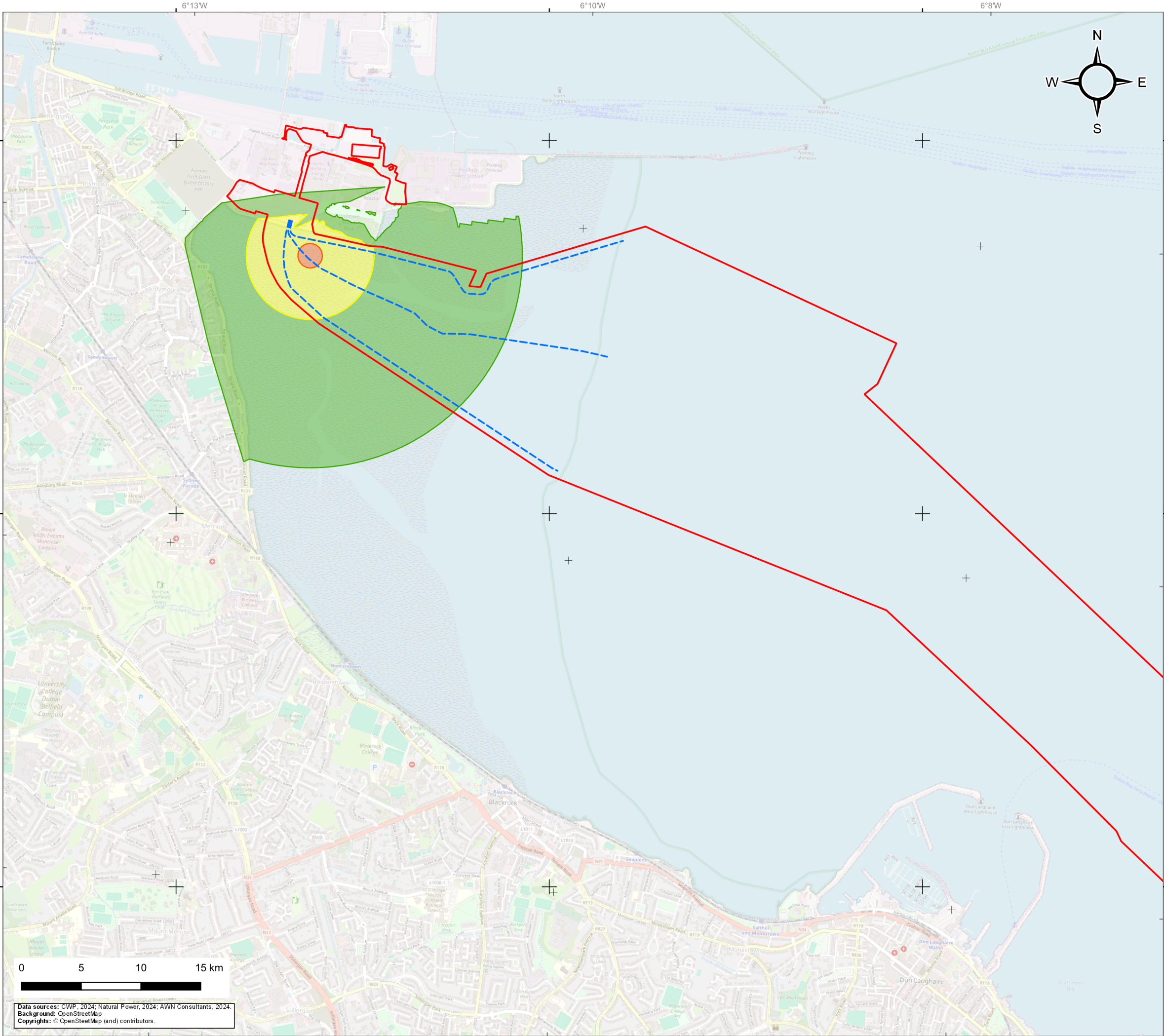
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		Project: Codling Wind Park		Contractor:  www.naturalpower.com	
Figure 10 Extent of intertidal acoustic impact from tensioner platform piling scenario 3.1 (alternative alignment scenario)					
CWP doc. number: CWP-NPC-ENG-08-01-MAP-1532					
Internal descriptive code: PB.DLH - PAB.OECs.3PB.INT.ALT.DPNM.TP.3.1 - - (OSM.EIAR.Vol.04.Ch.10.Ap.06.FIG.10)			Size: A3 Scale: 1:25,000	CRS: EPSG 25830	
Rev.	Updates		Date	By	Chk'd App'd
A	Final version		2024/08/13	AC	FM/EA CP





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – alternative alignment

**Tensioner platforms AAM scenario 3.2**

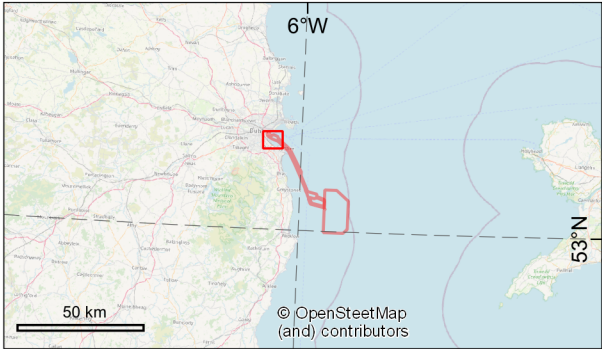
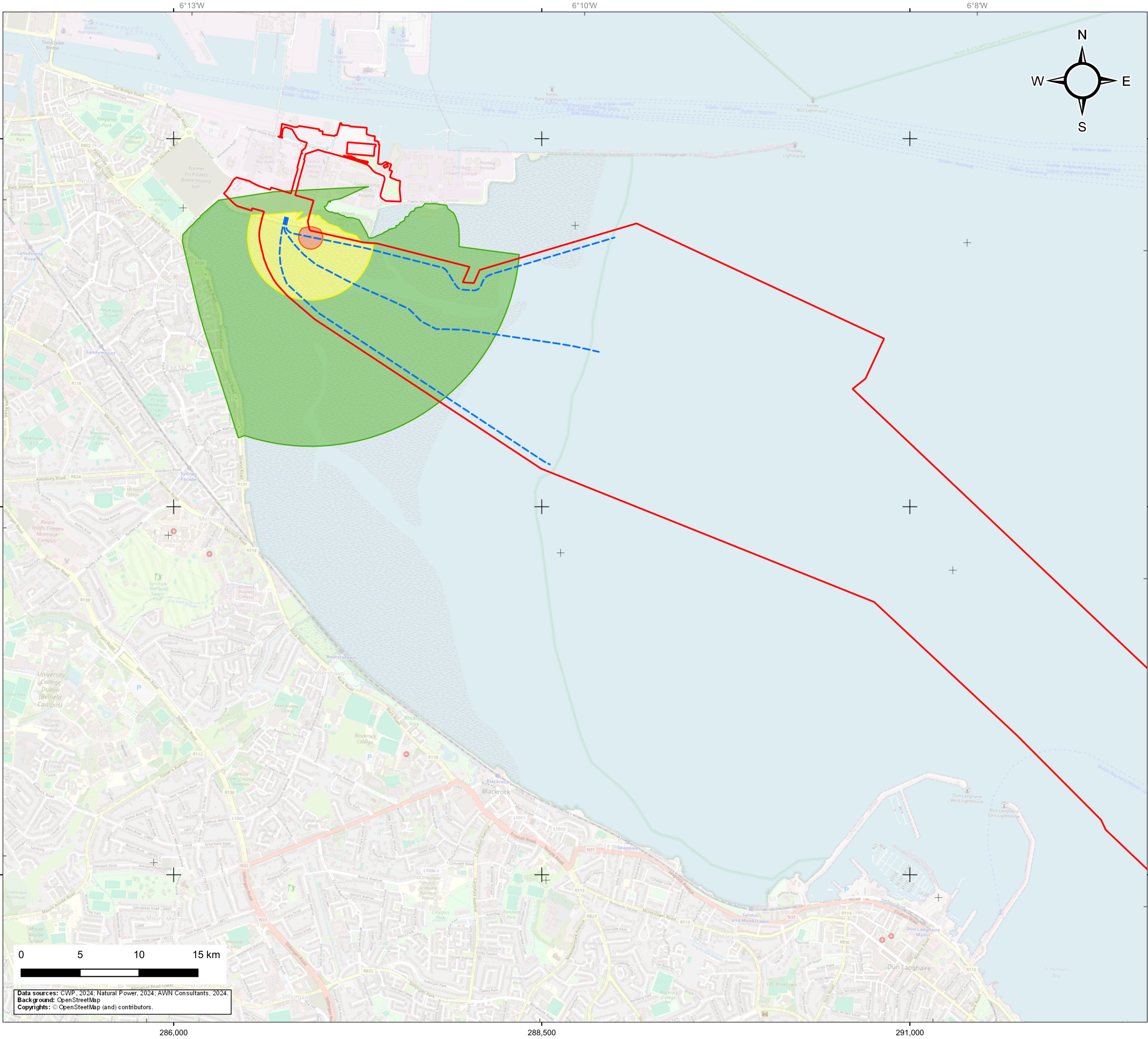
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		Project: Codling Wind Park		Contractor:  www.naturalpower.com	
<div>Figure 11</div> <div>Extent of intertidal acoustic impact from tensioner platform piling scenario 3.2 (alternative alignment scenario)</div>					
CWP doc. number: CWP-NPC-ENG-08-01-MAP-1535					
Internal descriptive code: PB.DLH - PAB.OECs.3PB.INT.ALT.DPNM.TP.3.2 - - (OSM.EIAR.Vol.04.Ch.10.Ap.06.FIG.11)			Size: A3 Scale: 1:25,000		CRS: EPSG 25830
Rev.	Updates		Date	By	Chk'd App'd
A	Final version		2024/08/13	AC	FM/EA CP





**Legend**

Planning Application Boundary (PAB)


Offshore export cable – alternative alignment

**Tensioner platforms AAM scenario 3.3**

Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)



Project:

Codling Wind Park

Contractor:


  
www.naturalpower.com

Figure 12

Extent of intertidal acoustic impact from  
tensioner platform piling scenario 3.3  
(alternative alignment scenario)

CWP doc. number:

CWP-NPC-ENG-08-01-MAP-1536

Internal descriptive code:

PB.DLH - PAB.OECs.3PB.INT.ALT.DPNM.TP.3.3 - -  
(OSM.EIAR.Vol.04.Ch.10.Ap.06.FIG.12)

Size:

A3

Scale:

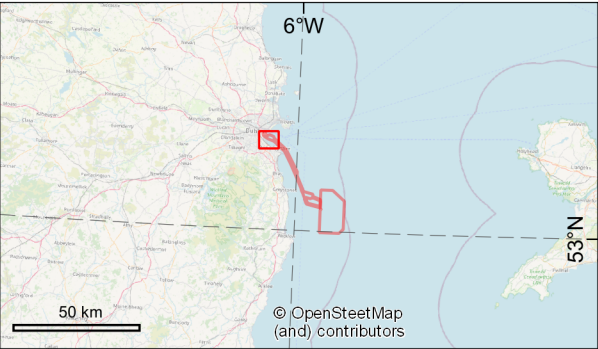
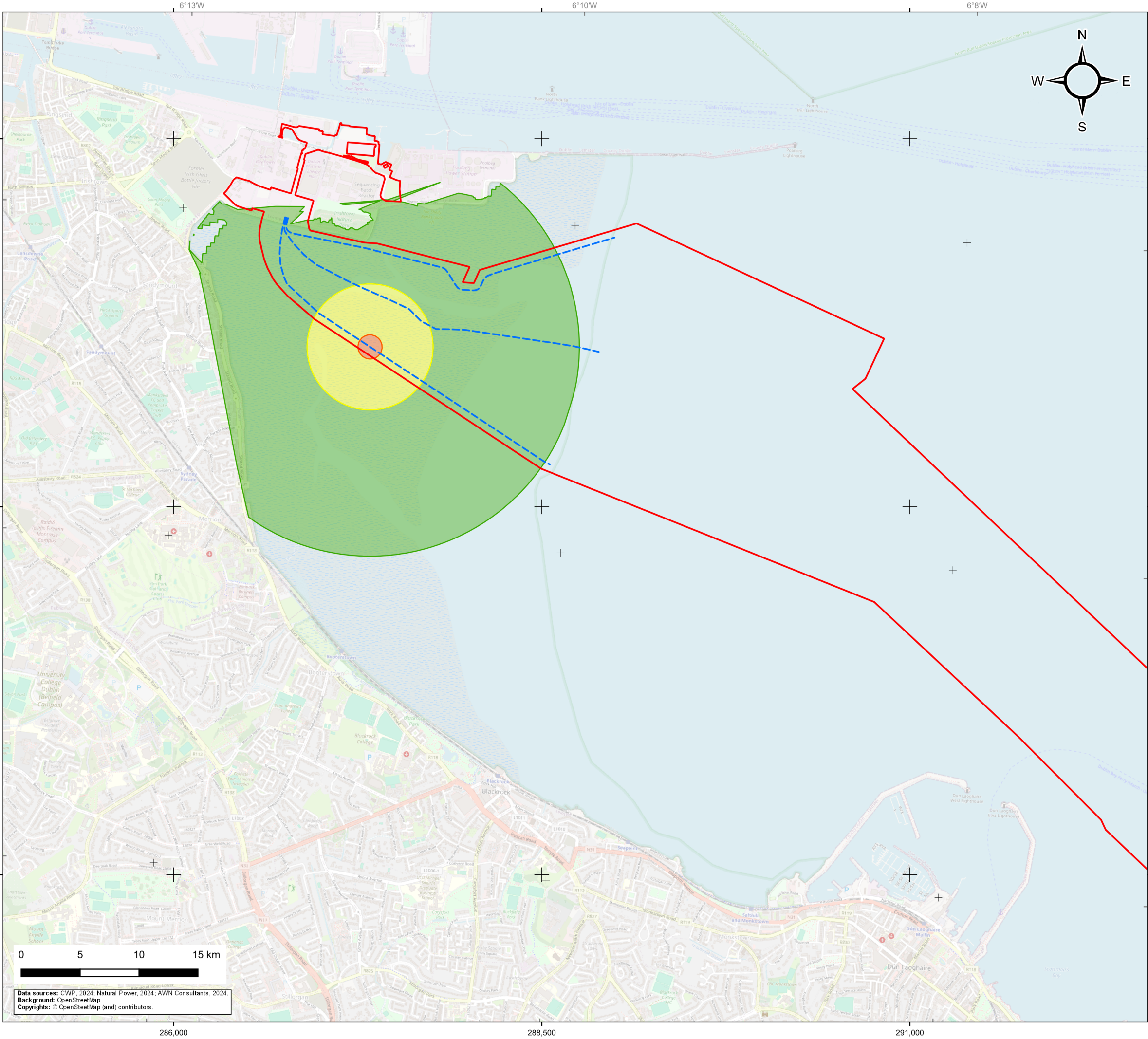
1:25,000

CRS:

EPSG 25830

Rev.	Updates	Date	By	Chk'd	App'd
A	Final version	2024/08/13	AC	FM/EA	CP





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – alternative alignment

**Tensioner platforms AAM scenario 3.4**

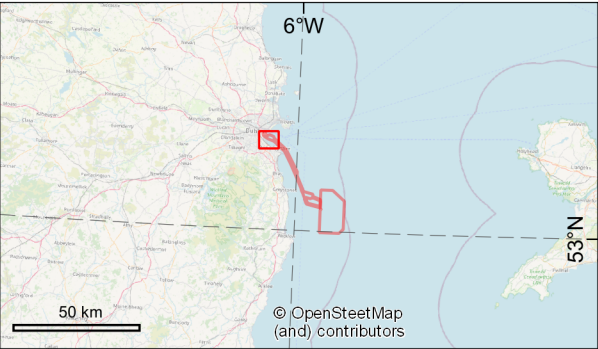
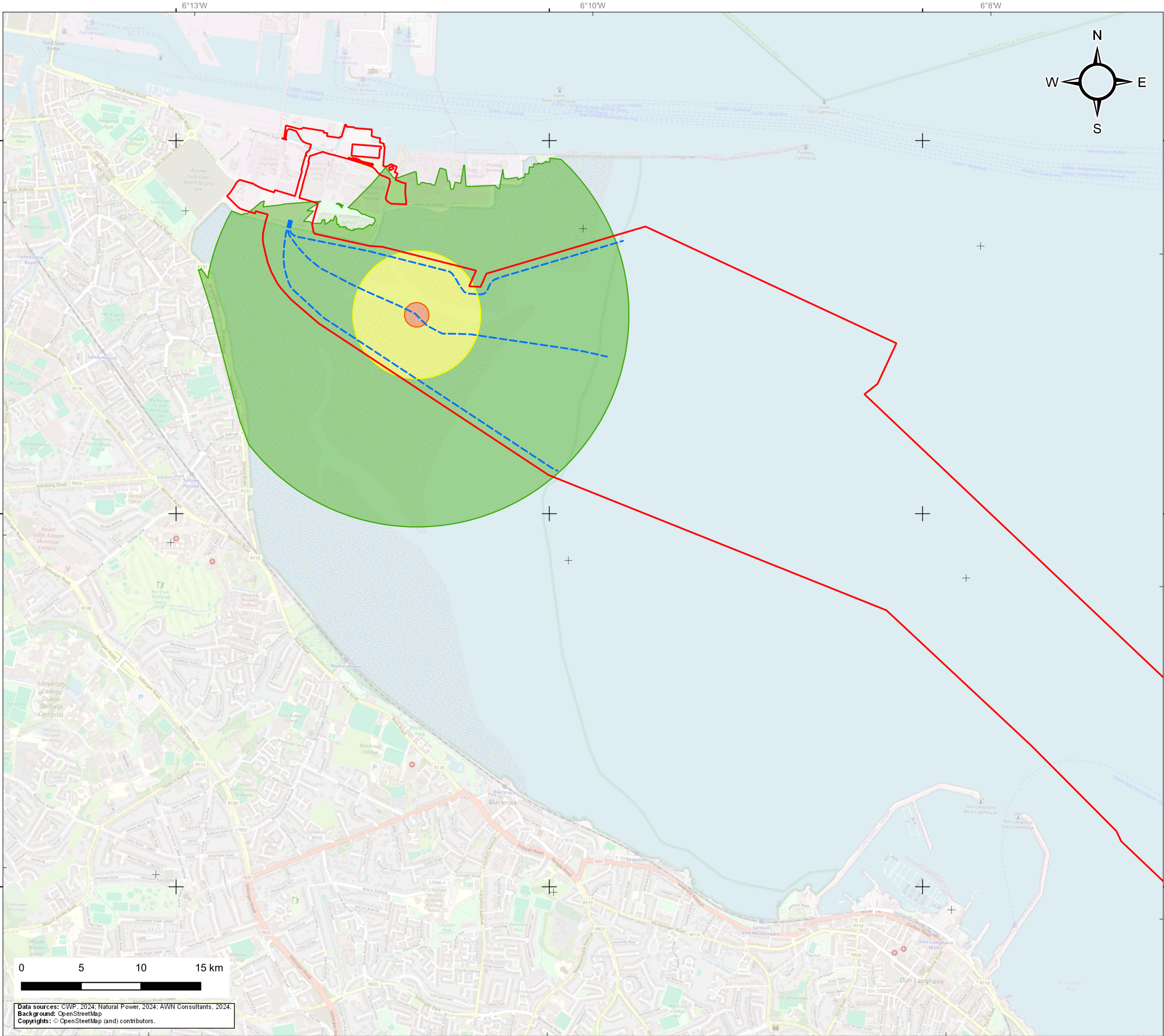
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

	<div>Project:</div> <div>Codling Wind Park</div>	<div>Contractor:</div> <div> www.naturalpower.com</div>			
<div>Figure 13</div> <div>Extent of intertidal acoustic impact from tensioner platform piling scenario 3.4 (alternative alignment scenario)</div>					
<div>CWP doc. number:</div> <div>CWP-NPC-ENG-08-01-MAP-1537</div>					
<div>Internal descriptive code:</div> <div>PB_DLH - PAB_OECs 3PB.INT.ALT.DPNM.TP.3.4 - - (OSM_EIAR.Vol.04.Ch.10.Ap.06.FIG.13)</div>		<div>Size: A3</div> <div>Scale: 1:25,000</div>	<div>CRS:</div> <div>EPSG 25830</div>		
<div>Rev.</div>	<div>Updates</div>	<div>Date</div>	<div>By</div>	<div>Chk'd</div>	<div>App'd</div>
A	Final version	2024/08/13	AC	FM/EA	CP





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – alternative alignment

**Tensioner platforms AAM scenario 3.5**

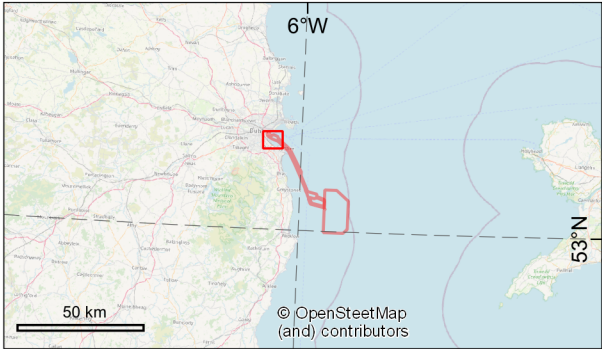
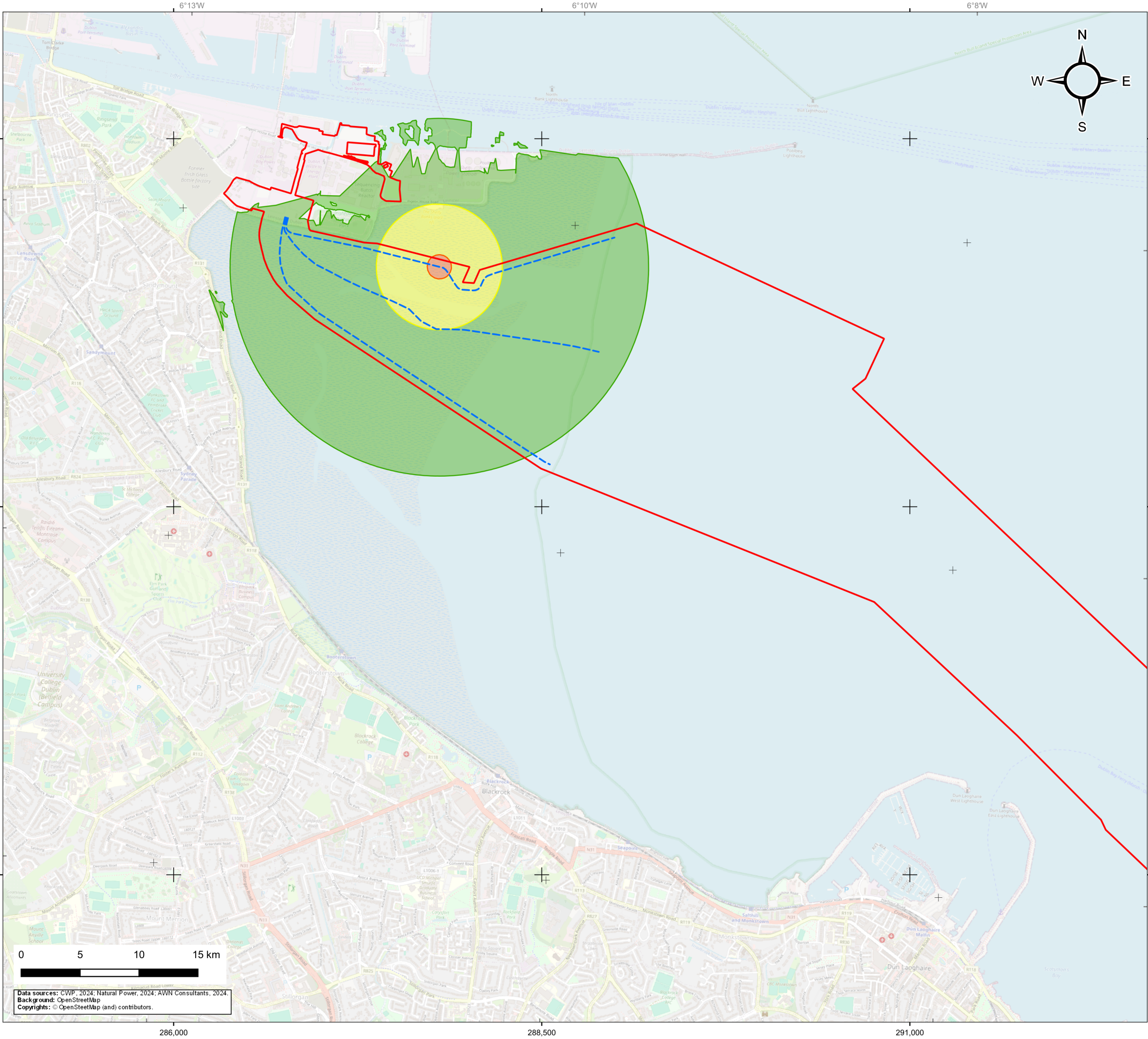
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		Project: Codling Wind Park		Contractor:  www.naturalpower.com	
<div>Figure 14</div> <div>Extent of intertidal acoustic impact from tensioner platform piling scenario 3.5 (alternative alignment scenario)</div>					
CWP doc. number: CWP-NPC-ENG-08-01-MAP-1538					
Internal descriptive code: PB.DLH - PAB.OECs.3PB.INT.ALT.DPNM.TP.3.5 - - (OSM.EIAR.Vol.04.Ch.10.Ap.06.FIG.14)			Size: A3 Scale: 1:25,000	CRS: EPSG 25830	
Rev.	Updates		Date	By	Chk'd App'd
A	Final version		2024/08/13	AC	FM/EA CP





**Legend**

Planning Application Boundary (PAB)


Offshore export cable – alternative alignment

**Tensioner platforms AAM scenario 3.6**

Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)



Project:

Codling Wind Park

Contractor:


  
www.naturalpower.com

Figure 15

Extent of intertidal acoustic impact from  
tensioner platform piling scenario 3.6  
(alternative alignment scenario)

CWP doc. number:

CWP-NPC-ENG-08-01-MAP-1539

Internal descriptive code:

PB.DLH - PAB.OECs.3PB.INT.ALT.DPNM.TP.3.6 - -  
(OSM.EIAR.Vol.04.Ch.10.Ap.06.FIG.15)

Size:

A3

CRS:

EPSG 25830

Scale:

1:25,000

Date

2024/08/13

By

AC

Chk'd

FM/EA

App'd

CP

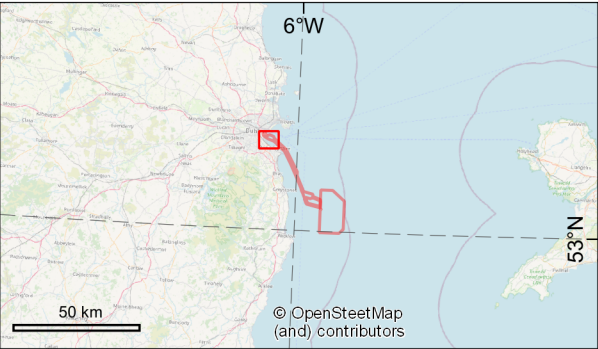
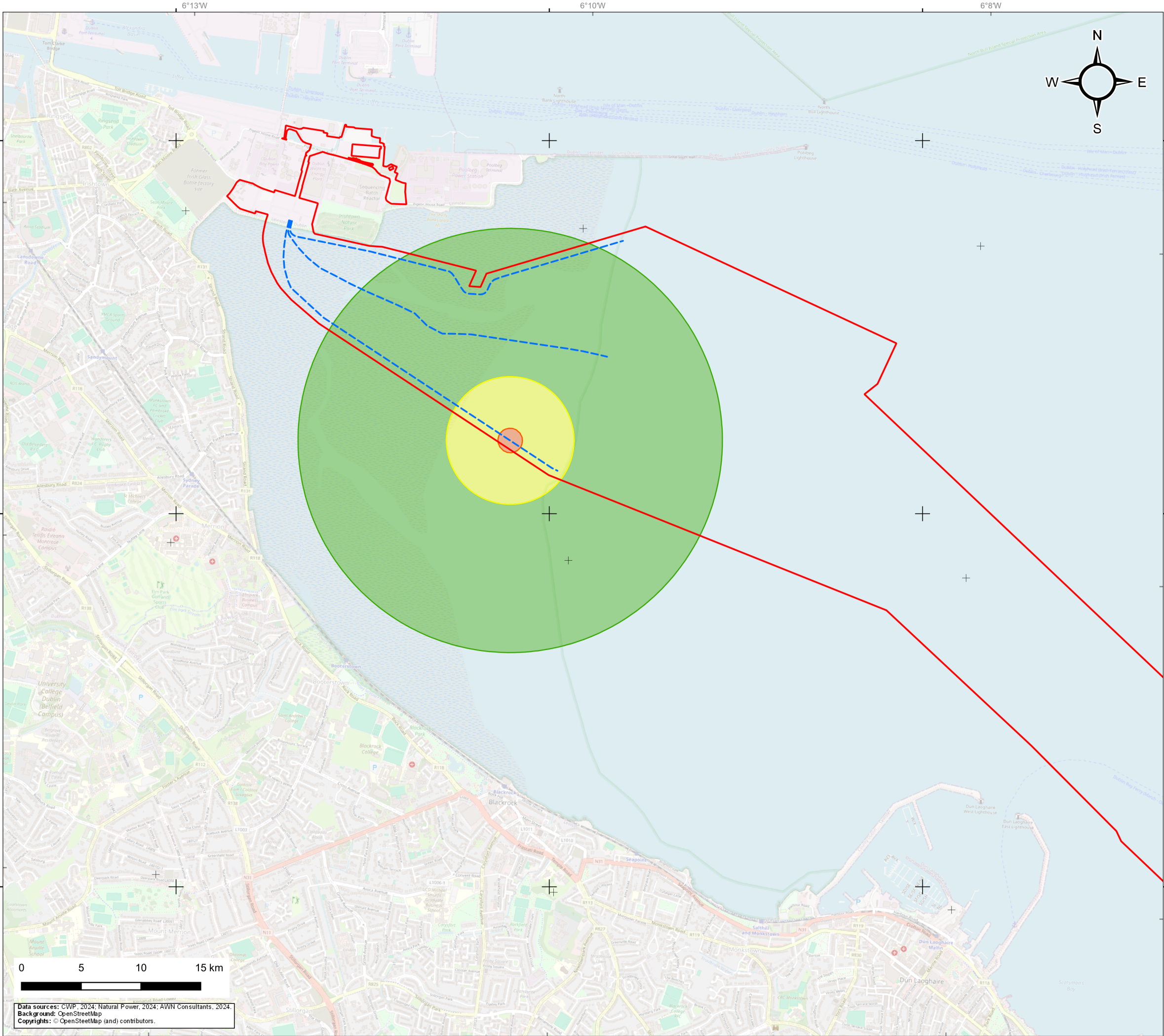
Rev.

A

Updates

Final version





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – alternative alignment

**Tensioner platforms AAM scenario 3.7**

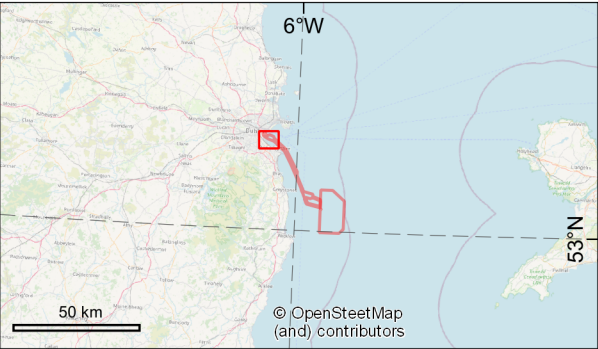
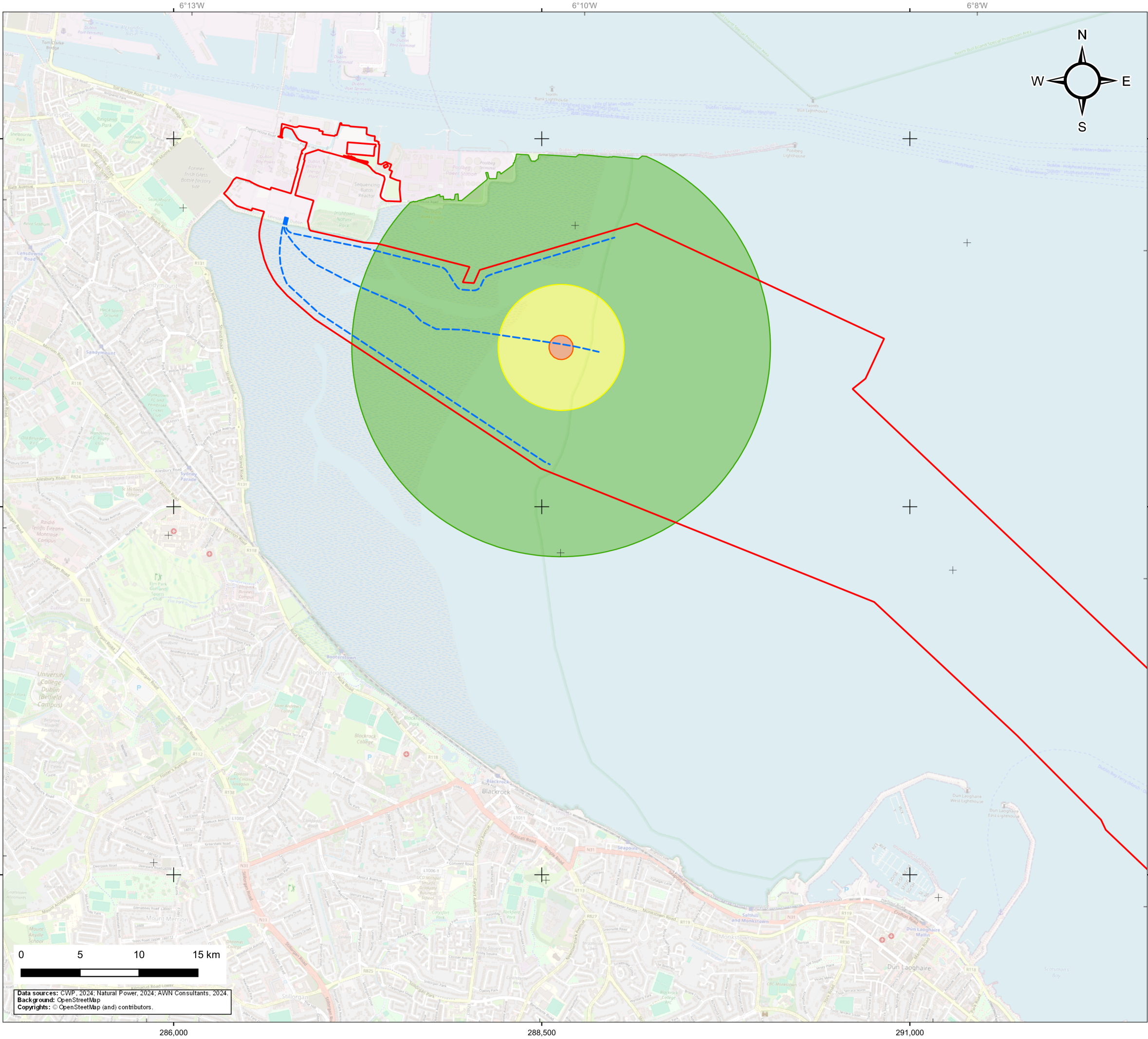
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		<div>Project:</div> <div>Codling Wind Park</div>		<div>Contractor:</div> <div> www.naturalpower.com</div>	
<div>Figure 16</div> <div>Extent of intertidal acoustic impact from tensioner platform piling scenario 3.7 (alternative alignment scenario)</div>					
<div>CWP doc. number:</div> <div>CWP-NPC-ENG-08-01-MAP-1540</div>					
<div>Internal descriptive code:</div> <div>PB.DLH - PAB.OECs.3PB.INT.ALT.DPNM.TP.3.7 - - (OSM.EIAR.Vol.04.Ch.10.Ap.06.FIG.16)</div>			<div>Size:</div> <div>A3</div>	<div>CRS:</div> <div>EPSG 25830</div>	
<div>Rev.</div>	<div>Updates</div>	<div>Date</div>	<div>By</div>	<div>Chk'd</div>	<div>App'd</div>
A	Final version	2024/08/13	AC	FM/EA	CP





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – alternative alignment

**Tensioner platforms AAM scenario 3.8**

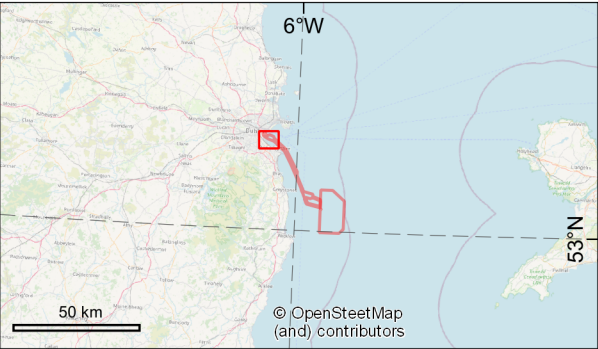
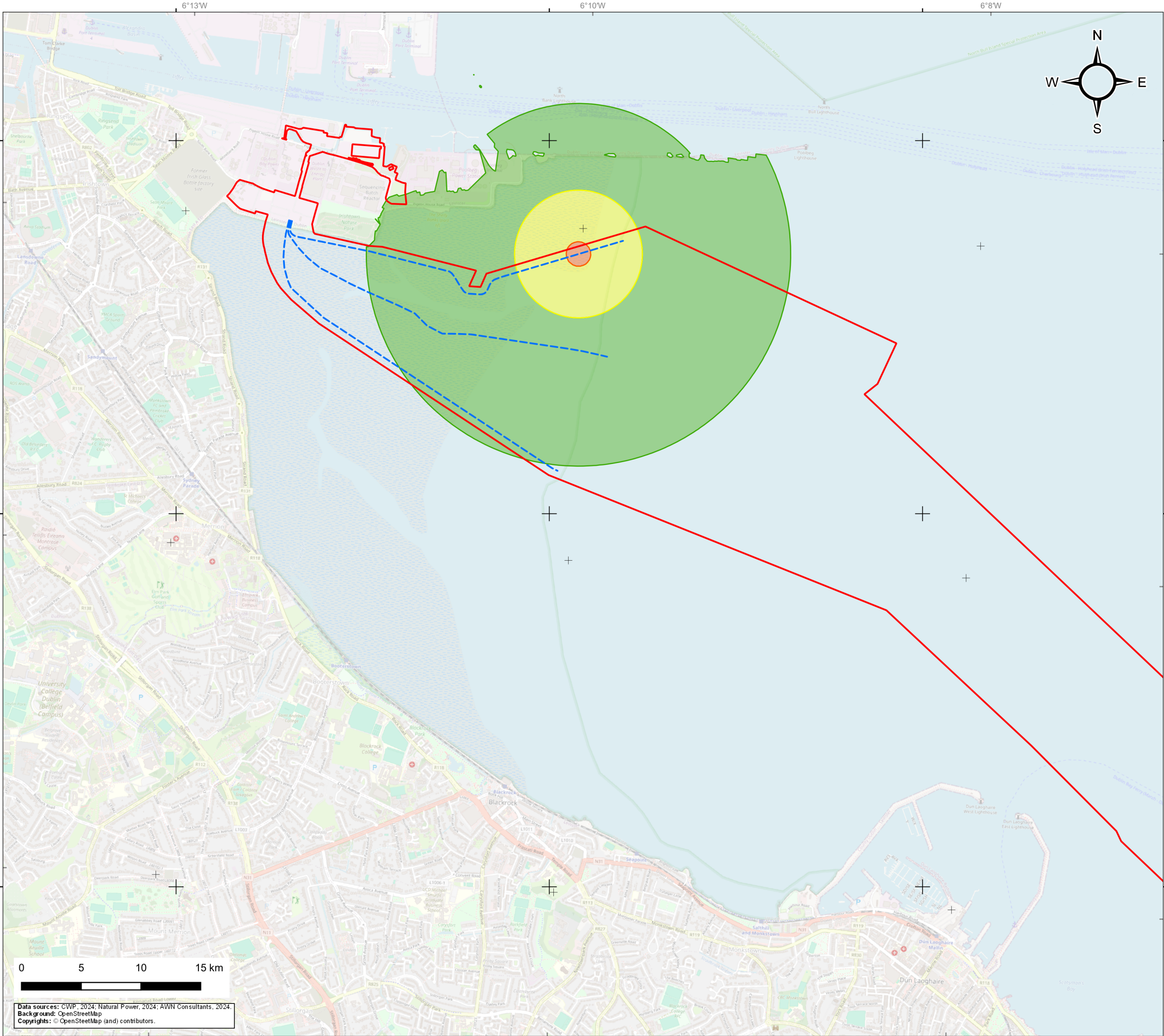
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		<div>Project:</div> <div>Codling Wind Park</div>		<div>Contractor:</div> <div> www.naturalpower.com</div>	
<div>Figure 17</div> <div>Extent of intertidal acoustic impact from tensioner platform piling scenario 3.8 (alternative alignment scenario)</div>					
<div>CWP doc. number:</div> <div>CWP-NPC-ENG-08-01-MAP-1541</div>					
<div>Internal descriptive code:</div> <div>PB.DLH - PAB.OECs.3PB.INT.ALT.DPNM.TP.3.8 - - (OSM.EIAR.Vol.04.Ch.10.Ap.06.FIG.17)</div>			<div>Size:</div> <div>A3</div>	<div>CRS:</div> <div>EPSG 25830</div>	
<div>Scale:</div> <div>1:25,000</div>			<div>Date</div>	<div>By</div>	<div>App'd</div>
<div>Rev.</div>	<div>Updates</div>		<div>Chk'd</div>	<div>CP</div>	
A	Final version		2024/08/13	AC	FM/EA





**Legend**

Planning Application Boundary (PAB)


Offshore export cable – alternative alignment

**Tensioner platforms AAM scenario 3.9**

Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)



Project:

Codling Wind Park

Contractor:


  
www.naturalpower.com

Figure 18

Extent of intertidal acoustic impact from  
tensioner platform piling scenario 3.9  
(alternative alignment scenario)

CWP doc. number:

CWP-NPC-ENG-08-01-MAP-1542

Internal descriptive code:

PB.DLH - PAB.OECs.3PB.INT.ALT.DPNM.TP.3.9 - -  
(OSM.EIAR.Vol.04.Ch.10.Ap.06.FIG.18)

Size:

A3

Scale:

1:25,000

CRS:

EPSG 25830

Rev.

Updates

Date

By

Chk'd

App'd

A

Final version

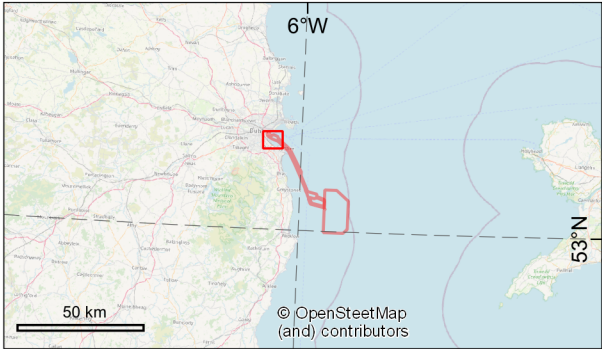
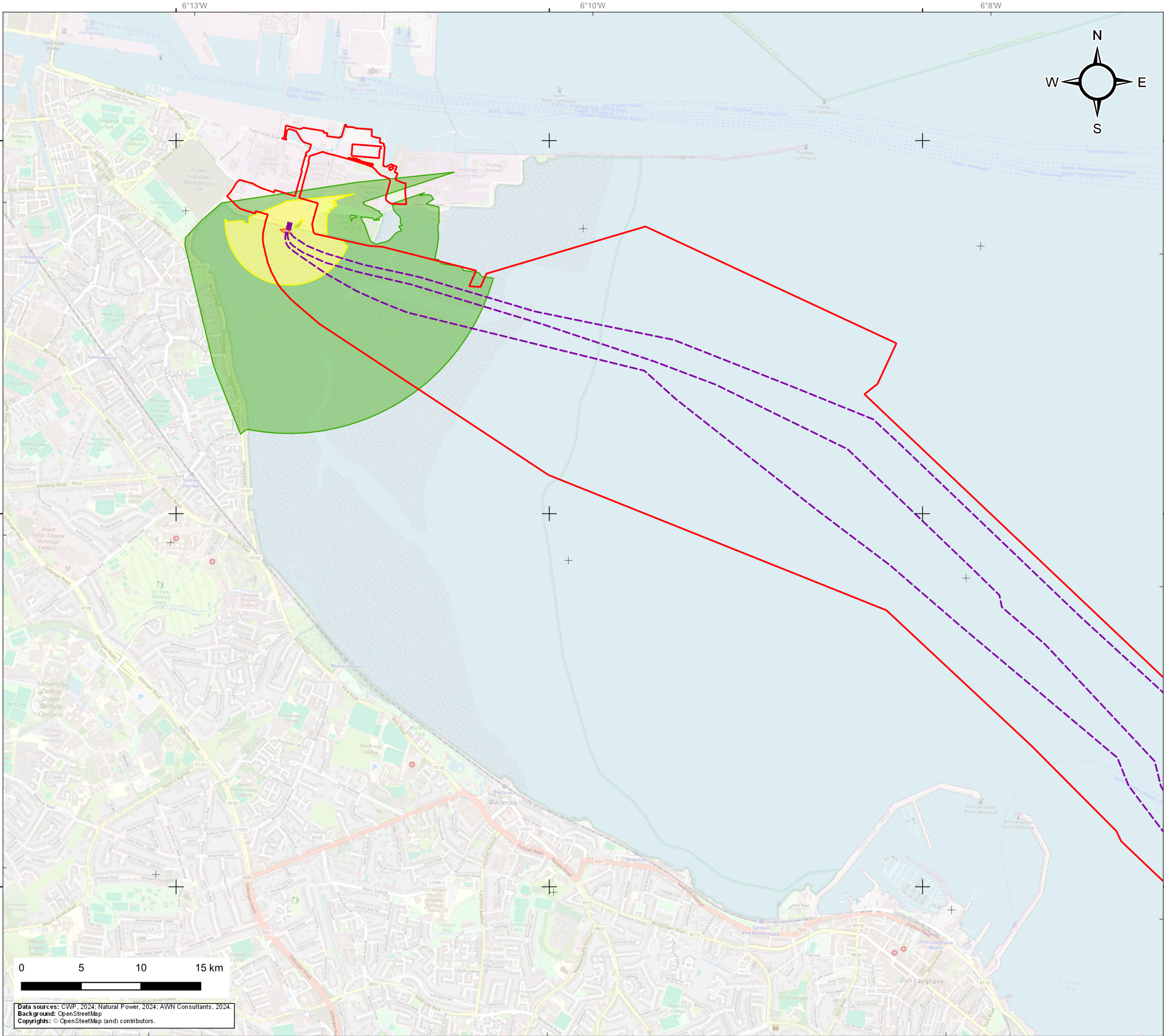
2024/08/13

AC

FM/EA

CP





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – preferred alignment (PA)

**TJBs piling PA scenario 2.1**

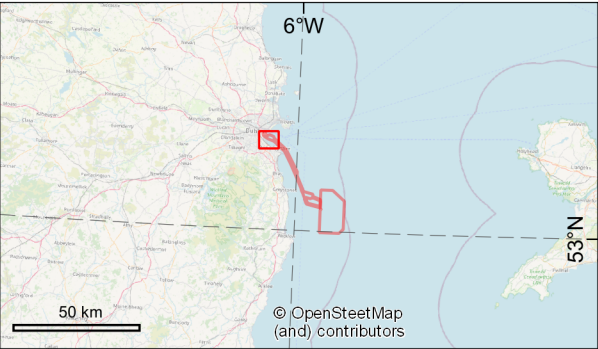
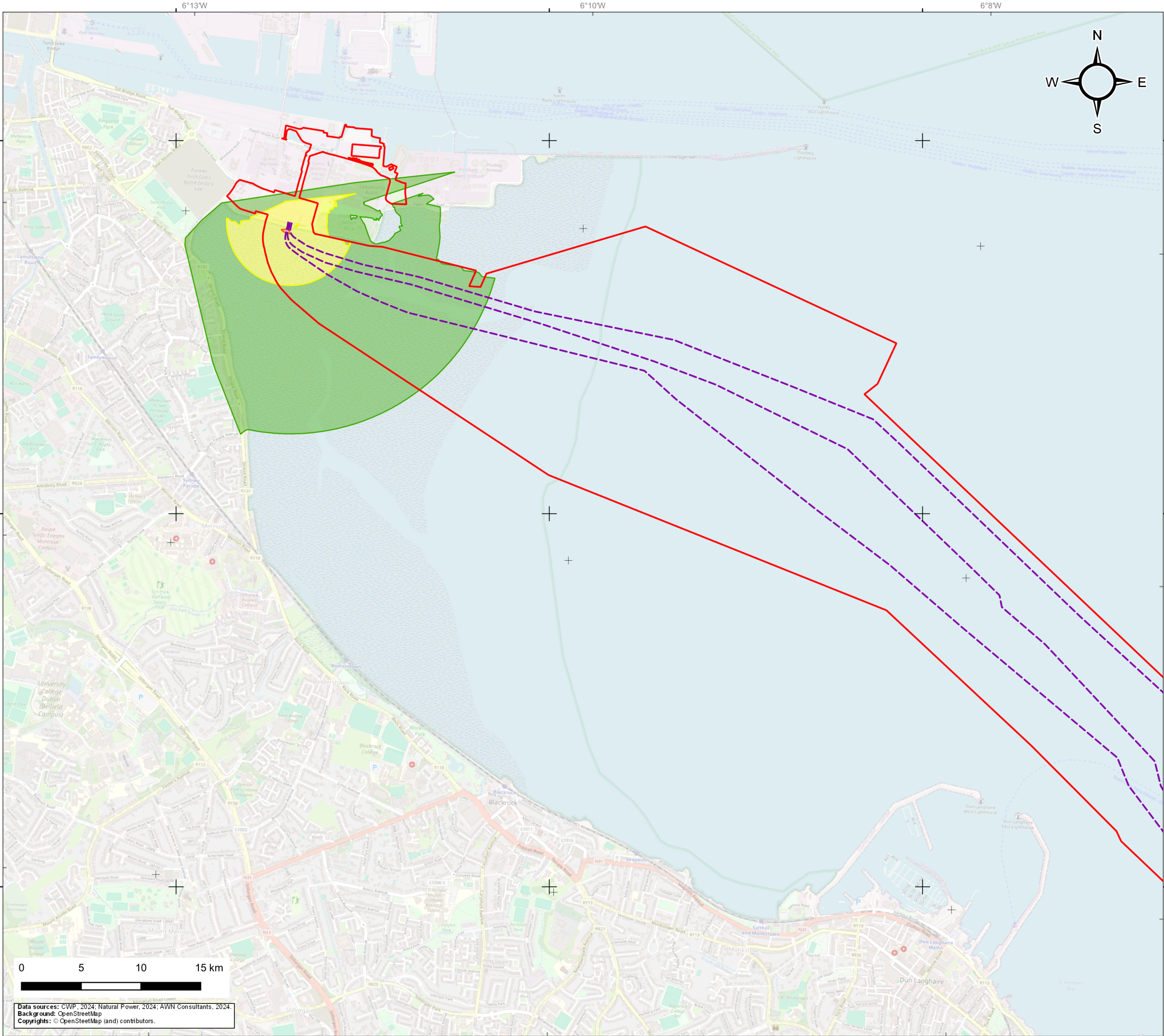
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		<div>Project:</div> <div>Codling Wind Park</div>		<div>Contractor:</div> <div> www.naturalpower.com</div>	
<div>Figure 19</div> <div>Extent of intertidal acoustic impact from</div> <div>TJB piling scenario 2.1</div> <div>(PA scenario)</div>					
<div>CWP doc. number:</div> <div>CWP-NPC-ENG-08-01-MAP-1521</div>					
<div>Internal descriptive code:</div> <div>PB_DLH - PAB_OECs.3PB.OptB.DPNM.TJBsP2.1 - - (OSM.EIAR.Vol.04.Ch.10.Ap.06.FIG.19)</div>			<div>Size:</div> <div>A3</div>	<div>CRS:</div> <div>EPSG 25830</div>	
<div>Scale:</div> <div>1:25,000</div>			<div>Date</div> <div>2024/08/13</div>	<div>By</div> <div>AC</div>	<div>Chk'd</div> <div>FM/EA</div>
<div>Rev.</div> <div>A</div>	<div>Updates</div> <div>Final version</div>			<div>App'd</div> <div>CP</div>	





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – preferred alignment (PA)

**TJBs piling PA scenario 2.2**

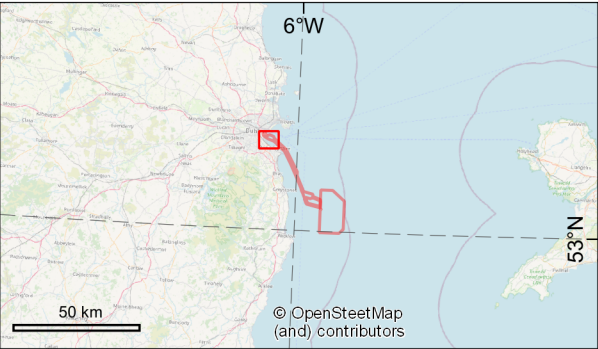
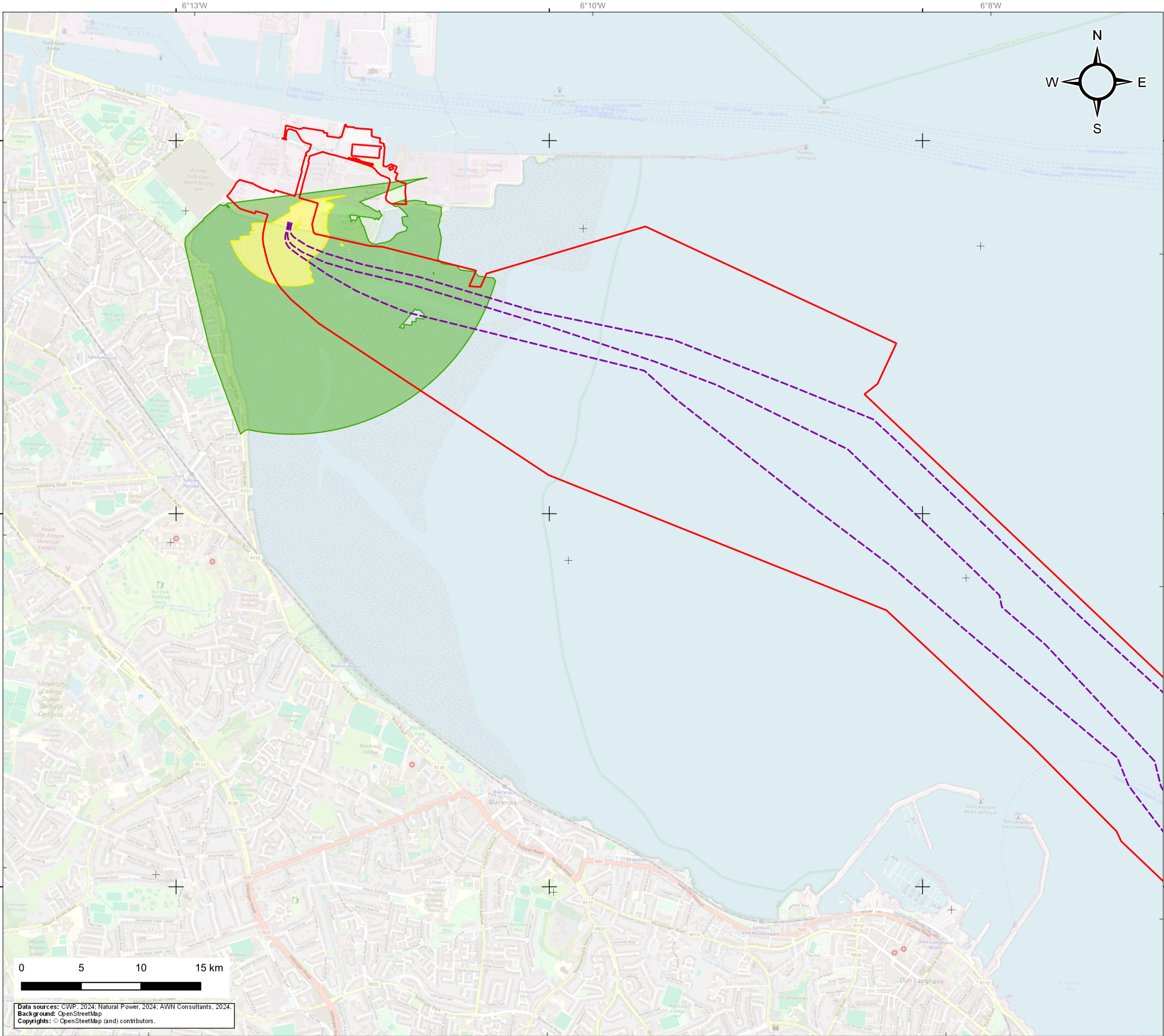
Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		<div>Project:</div> <div>Codling Wind Park</div>		<div>Contractor:</div> <div> www.naturalpower.com</div>	
<div>Figure 20</div> <div>Extent of intertidal acoustic impact from</div> <div>TJB piling scenario 2.2</div> <div>(PA scenario)</div>					
<div>CWP doc. number:</div> <div>CWP-NPC-ENG-08-01-MAP-1522</div>					
<div>Internal descriptive code:</div> <div>PB.DLH - PAB.OECs.3PB.OptB.DPNM.TJBsP2.2 - - (OSM.EIAR.Vol.04.Ch.10.Ap.06.FIG.20)</div>			<div>Size:</div> <div>A3</div>		<div>CRS:</div> <div>EPSG 25830</div>
<div>Rev.</div>	<div>Updates</div>	<div>Date</div>	<div>By</div>	<div>Chk'd</div>	<div>App'd</div>
<div>A</div>	<div>Final version</div>	<div>2024/08/13</div>	<div>AC</div>	<div>FM/EA</div>	<div>CP</div>





**Legend**



Planning Application Boundary (PAB)

Offshore export cable – preferred alignment (PA)

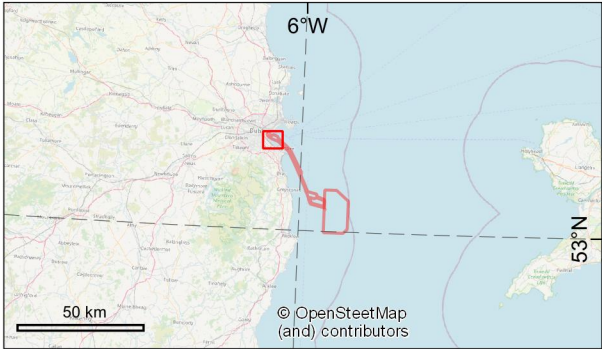
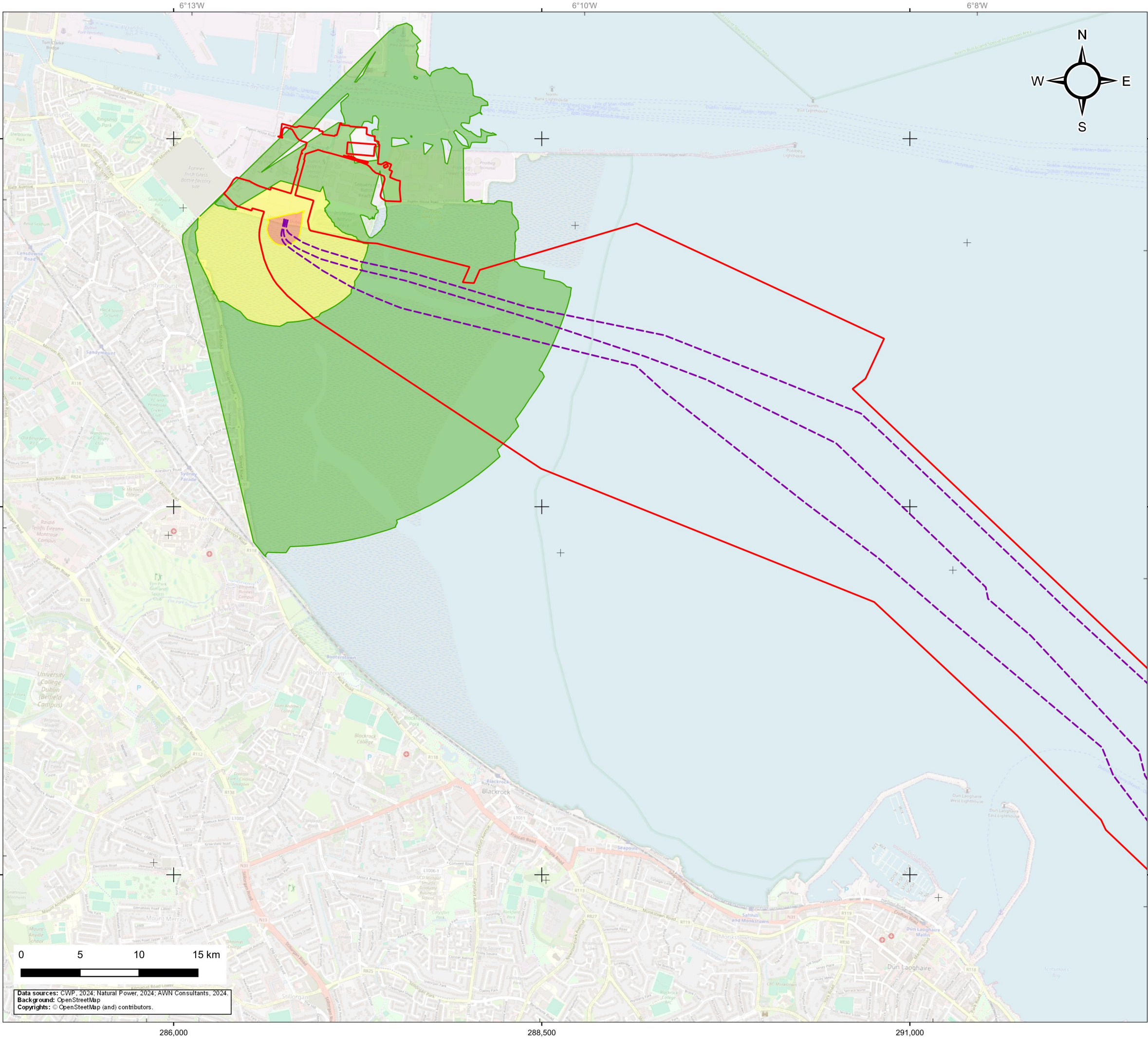
**TJBs piling PA scenario 2.3**

Low (40-55 dB)

Medium (55-70 dB)

		<div>Project:</div> <div>Codling Wind Park</div>		<div>Contractor:</div> <div> www.naturalpower.com</div>	
<div>Figure 21</div> <div>Extent of intertidal acoustic impact from</div> <div>TJB piling scenario 2.3</div> <div>(PA scenario)</div>					
<div>CWP doc. number:</div> <div>CWP-NPC-ENG-08-01-MAP-1523</div>					
<div>Internal descriptive code:</div> <div>PB_DLH - PAB_OECs 3PB_OptB.DPNM.TJBsP2.3 - - (OSM_EIAR.Vol.04.Ch.10.Ap.06.FIG.21)</div>			<div>Size:</div> <div>A3</div>		<div>CRS:</div> <div>EPSG 25830</div>
<div>Rev.</div>	<div>Updates</div>	<div>Date</div>	<div>By</div>	<div>Chk'd</div>	<div>App'd</div>
A	Final version	2024/08/13	AC	FM/EA	CP





**Legend**

Planning Application Boundary (PAB)



Offshore export cable – preferred alignment (PA)

**Cofferdam piling PA scenario 1a**

Low (40-55 dB)

Medium (55-70 dB)

High (>70 dB)

		<div>Project:</div> <div>Codling Wind Park</div>		<div>Contractor:</div> <div> www.naturalpower.com</div>		
<div>Figure 22</div> <div>Extent of intertidal acoustic impact from cofferdam piling scenario 1a (PA scenario)</div>						
<div>CWP doc. number:</div> <div>CWP-NPC-ENG-08-01-MAP-1524</div>						
<div>Internal descriptive code:</div> <div>PB_DLH - PAB_OECs.3PB_Opt18_DPNM_COFF.P.1a - - (OSM_EIAR_Vol.04.Ch.10.Ap.06.FIG.22)</div>			<div>Size:</div> <div>A3</div>	<div>CRS:</div> <div>EPSG 25830</div>		
<div>Scale:</div> <div>1:25,000</div>			<div>Date</div> <div></div>	<div>By</div> <div></div>	<div>App'd</div> <div></div>	
<div>Rev.</div>	<div>Updates</div>		<div>Date</div>	<div>By</div>	<div>Chk'd</div>	<div>App'd</div>
A	Final version		2024/08/13	AC	FM/EA	CP

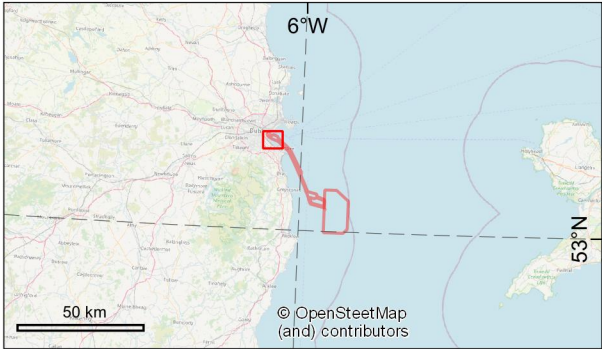
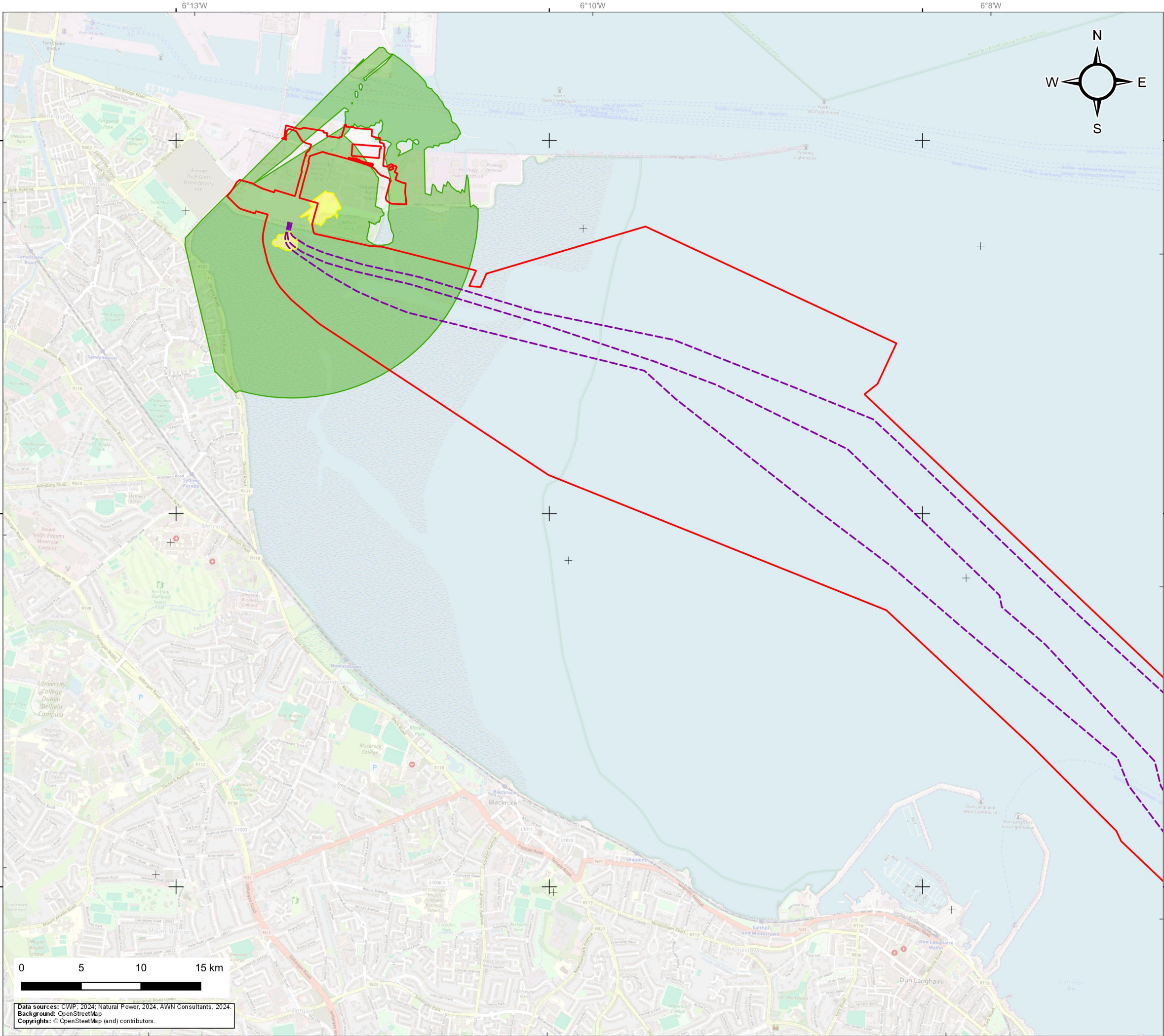


9. The following four figures represent activities for which noise modelling was carried out (both with and without sound-attenuating mitigations in place), but were not included in the ornithological disturbance and displacement assessment. It is considered that not only are the areas of overlap between the 40 to 70dB noise contours and the intertidal zone small (<3% of the total area of South Dublin Bay and River Tolka Estuary SPA, when mitigation is applied), but the noise levels generated by these activities are of a nature that they will be no greater than existing baseline noise levels measured at these locations (Trinity Consultants, 2023<sup>1</sup>).
10. The equivalent continuous sound level ( $L_{Aeq}$ ), which is an average noise measurement and is used to describe a fluctuating noise in terms of a single noise level over a given period which was sampled at approximately Irish Grid Reference: O 19285, 33375 (in close proximity to the modelled tunnelling impact), was 49 dB, which falls within the “low” (i.e. 40 to 55 dB) band of noise arising from onshore export cable tunnelling activities.
11. The area of overlap between noise generated by tunnelling activities (with mitigation applied) and the intertidal area within South Dublin Bay is 0.639 km<sup>2</sup> (approximately 2.91% of the total SPA area).
12. Similarly, the equivalent continuous sound level ( $L_{Aeq}$ ), which was sampled at approximately Irish Grid Reference: O 20463 33427<sup>1</sup>, was 50 dB, which falls within the “low” (i.e. 40 to 55 dB) band of noise arising from ESNB HDD activities.
13. The area of overlap between noise generated by ESNB network cabling activities (with mitigation applied) and the intertidal area within South Dublin Bay is 0.409 km<sup>2</sup> (approximately 1.87% of the total SPA area).

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<sup>1</sup> [Acoustic] Survey Summary – Ornithology Edit (2023), Trinity Consultants Ltd.





**Legend**



Planning Application Boundary (PAB)

Offshore export cable – preferred alignment (PA)

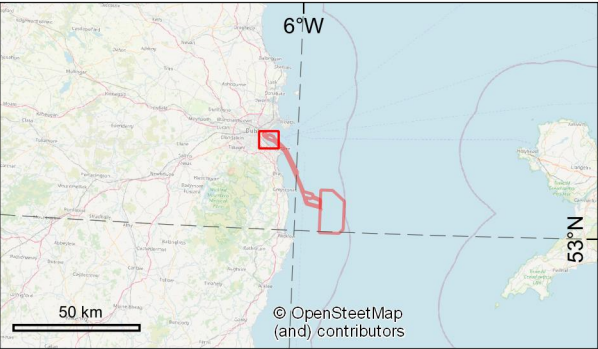
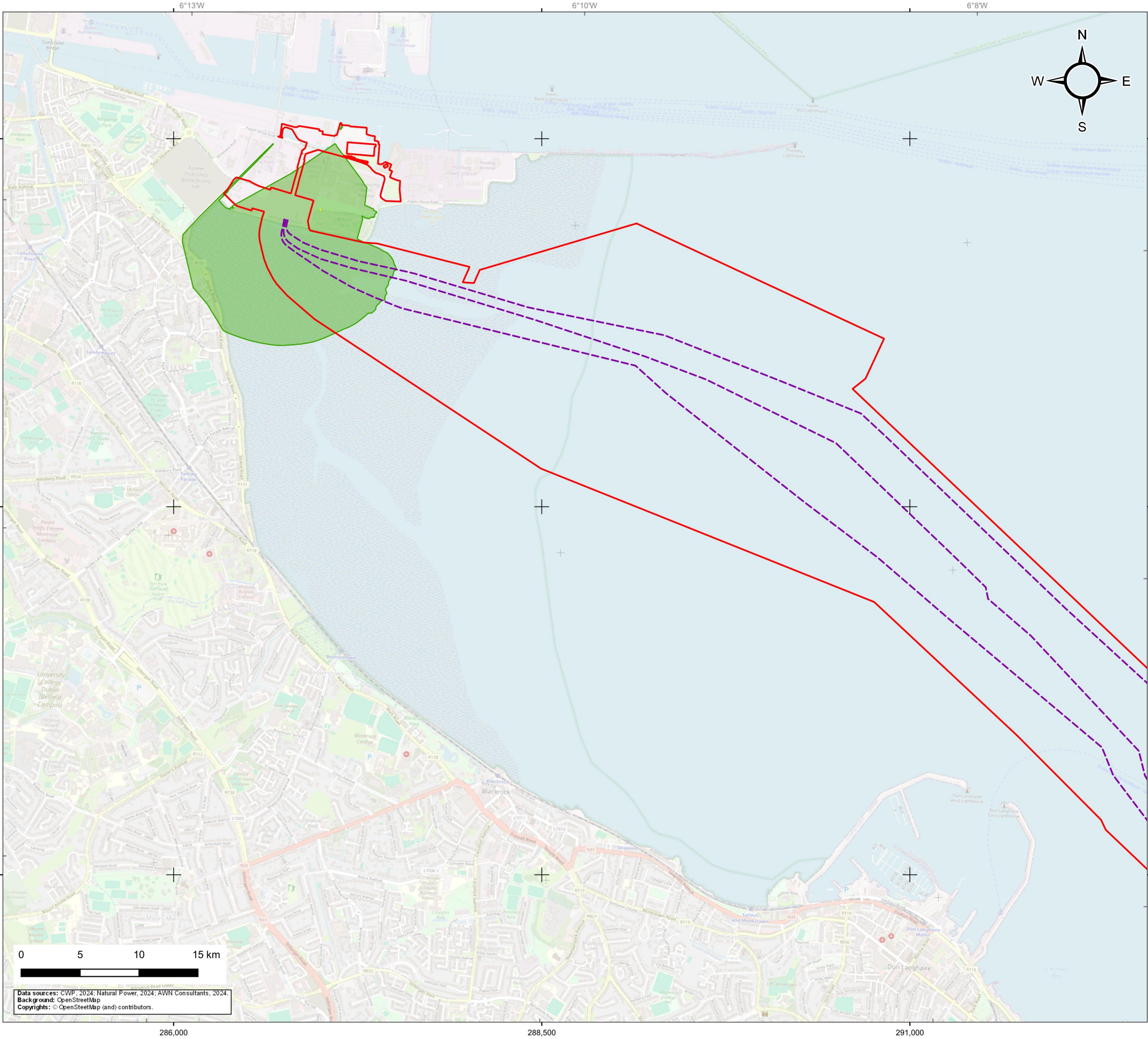
**Onshore tunnel scenario 4.1**

Low (40-55 dB)

Medium (55-70 dB)

		<b>Project:</b> Codling Wind Park		<b>Contractor:</b>  www.naturalpower.com	
Figure 23 Impact 4 (onshore export cable tunnel): without mitigation					
CWP doc. number: CWP-NPC-ENG-08-01-MAP-1528					
Internal descriptive code: PB_DLH - PAB_OECs.3PB_OptB..T.NOISE.MODEL - - (OSM_EIAR.Vol.04.Ch.10.Ap.06.FIG.23)			Size: A3 Scale: 1:25,000	CRS: EPSG 25830	
Rev.	Updates		Date	By	Chk'd App'd
A	Final version		2024/08/13	AC	FM/EA CP





**Legend**



Planning Application Boundary (PAB)

Offshore export cable – preferred alignment (PA)

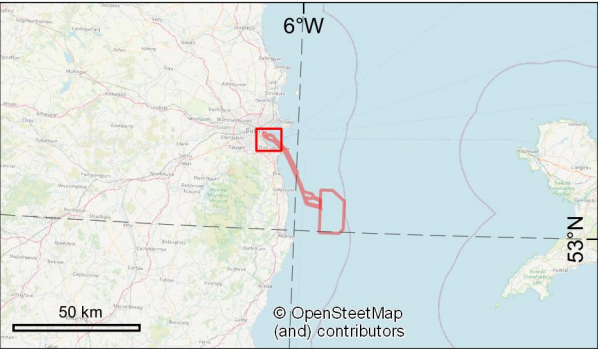
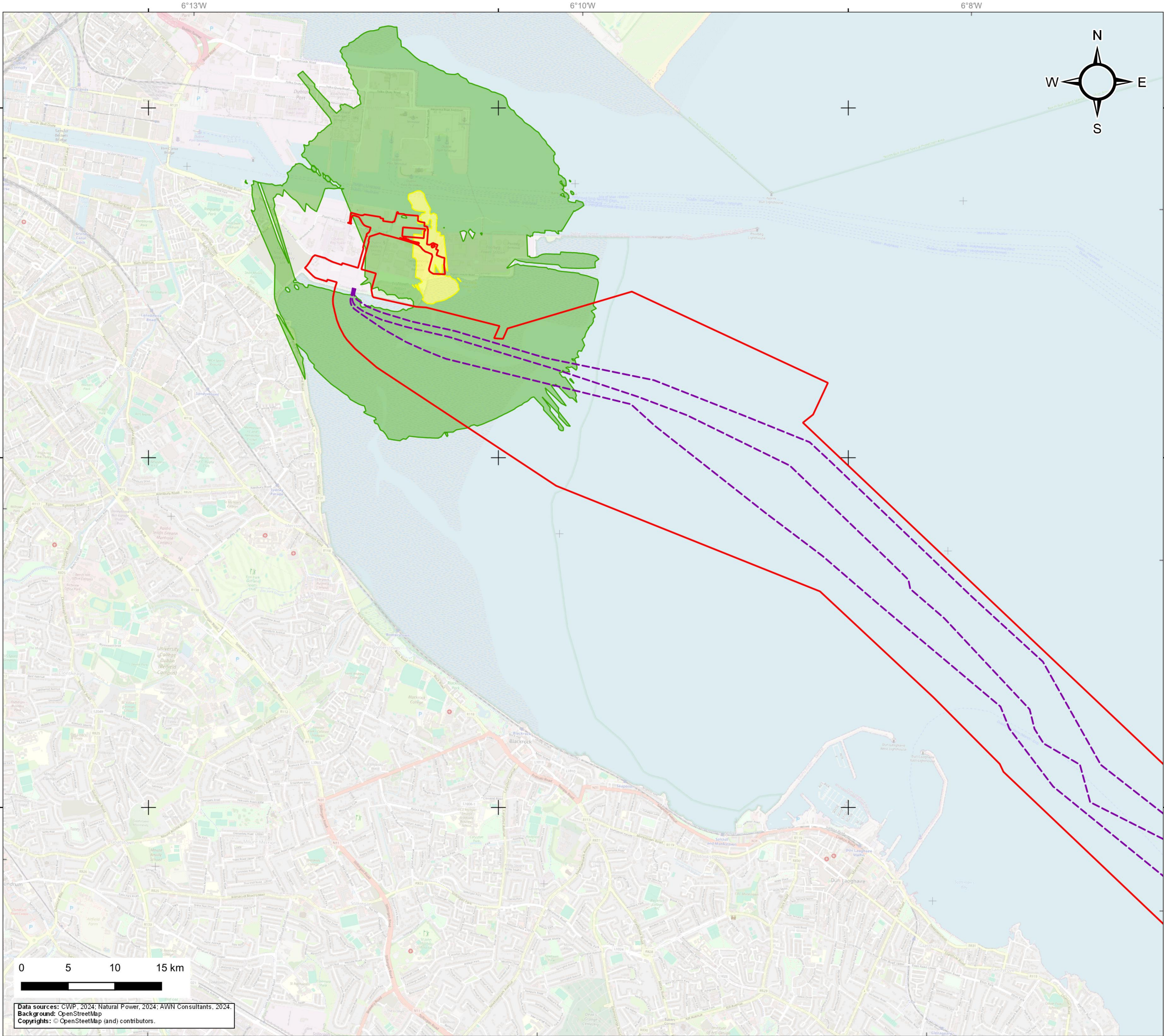
**Onshore tunnel scenario 4.2**

Low (45-55 dB)

Medium 55-70 dB)

		Project: Codling Wind Park		Contractor:  www.naturalpower.com	
Figure 24 Impact 4 (onshore export cable tunnel): mitigation applied					
CWP doc. number: CWP-NPC-ENG-08-01-MAP-1529					
Internal descriptive code: PB_DLH - PAB_OECs3PB_Opt8..T.NOISE.MODEL. MIT - - (OSM_EIAR_Vol.04.Ch.10.Ap.06.FIG.24)			Size: A3 Scale: 1:25,000	CRS: EPSG 25830	
Rev.	Updates		Date	By	Chk'd App'd
A	Final version		2024/08/13	AC	FM/EA CP







**Legend**

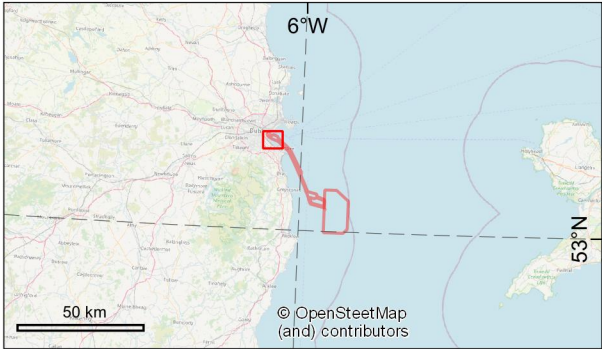
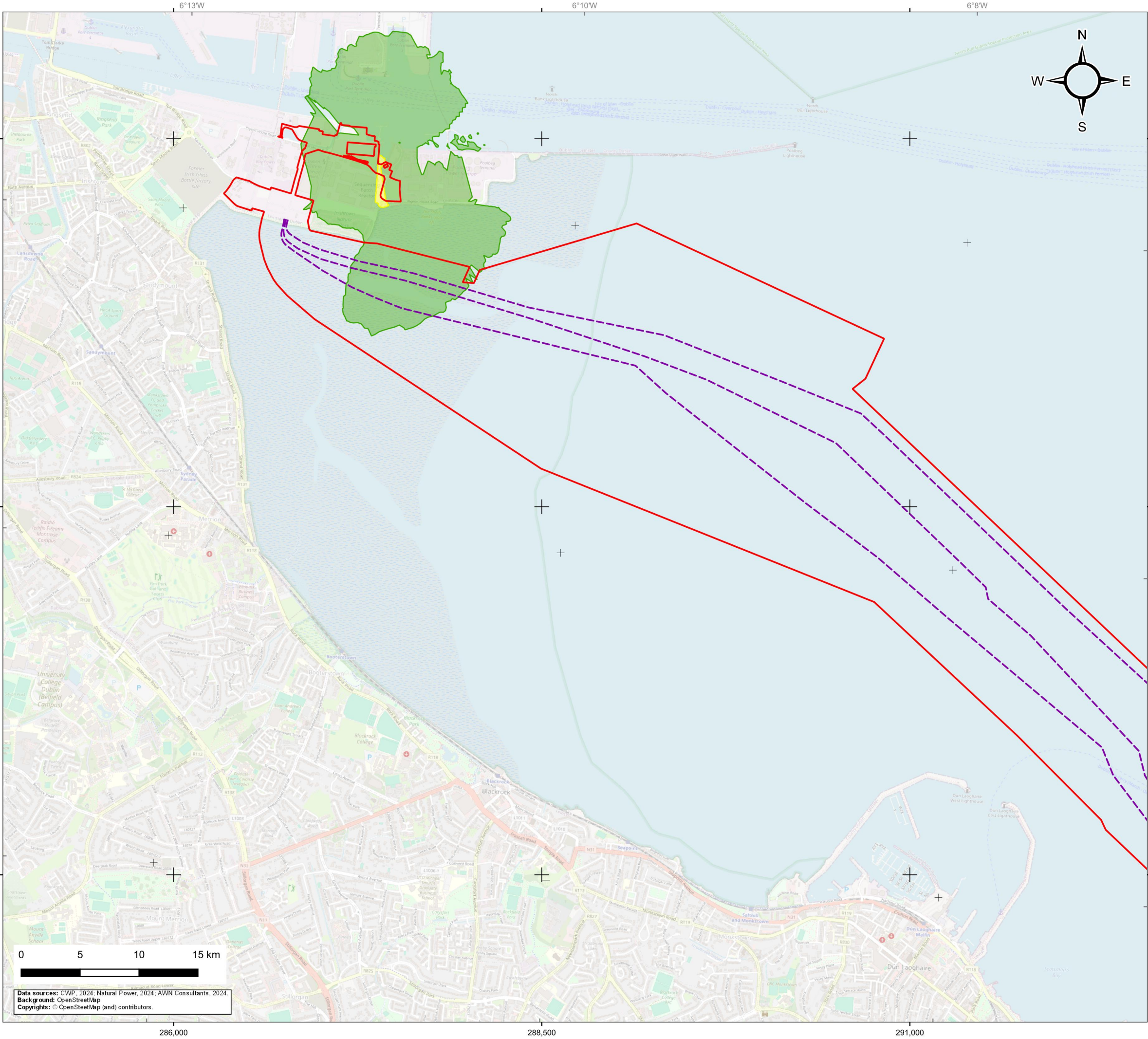
- Planning Application Boundary (PAB)
- Offshore export cable – preferred alignment (PA)

**ESBN cable scenario 6 (without mitigation)**

- Low (40-55 dB)
- Medium (55-70 dB)

		Project: Codling Wind Park		Contractor:  www.naturalpower.com	
Figure 25 Impact 6 (ESBN network HDD): without mitigation					
CWP doc. number: CWP-NPC-ENG-08-01-MAP-1530					
Internal descriptive code: PB_DLH - PAB_OECs 3PB_Opt8_ENC_NOISE_MODEL - (OSM_EIAR_Vol.04.Ch.10.Ap.06.FIG.25)			Size: A3 Scale: 1:32,000	CRS: EPSG 25830	
Rev.	Updates		Date	By	Chk'd App'd
A	Final version		2024/08/13	AC	FM/EA CP





**Legend**



Planning Application Boundary (PAB)

Offshore export cable – preferred alignment (PA)

**ESBN cable scenario 6 (with mitigation)**

Low (40-55 dB)

Medium (55-70 dB)

		Project: Codling Wind Park		Contractor:  www.naturalpower.com	
Figure 26 Impact 6 (ESBN network HDD): mitigation applied					
CWP doc. number: CWP-NPC-ENG-08-01-MAP-1531					
Internal descriptive code: PB_DLH - PAB_OECs.3PB_Opt8_ENC.NOISE MODEL. MIT - - (OSM_EIAR.Vol.04.Ch.10.Ap.06.FIG.26)			Size: A3 Scale: 1:25,000	CRS: EPSG 25830	
Rev.	Updates		Date	By	Chk'd App'd
A	Final version		2024/08/13	AC	FM/EA CP