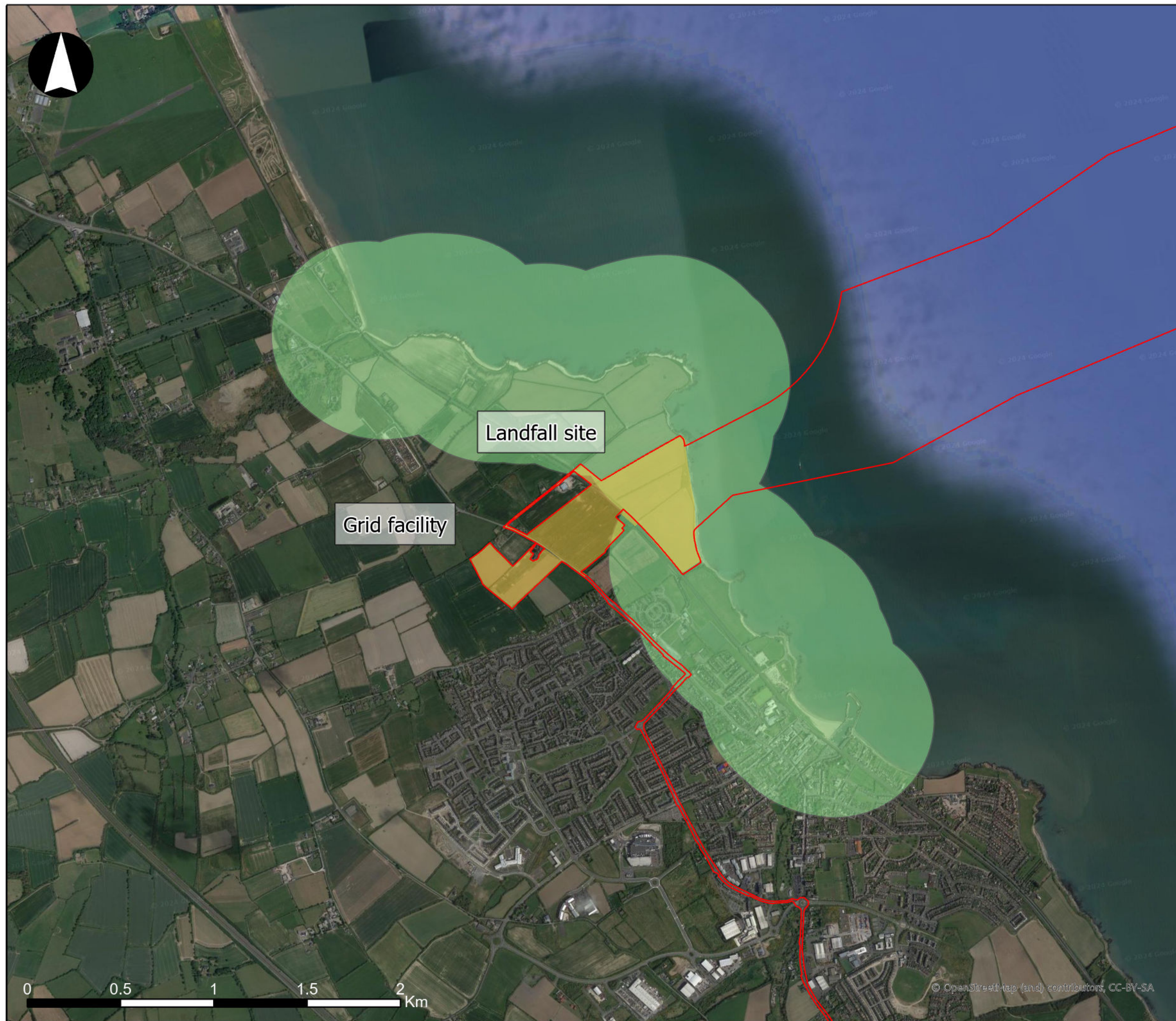


Volume 7A: Figures

Figures for Chapter 23 Biodiversity



Legend

- Proposed development boundary
- Study areas
- Wintering waterbirds study areas

NISA
North Irish Sea Array

ARUP

Project

**North Irish Sea Array
Offshore Wind Farm**

Figure Title

**Ecology study area
- section 1**

Job No: 281240

Date: May 2024

Scale: 1:20,000

Status: Final

Figure No:

23.1



Legend

- Proposed development boundary
- Study areas

NISA
North Irish Sea Array

ARUP

Project

**North Irish Sea Array
Offshore Wind Farm**

Figure Title

**Ecology study area
- section 2**

Job No: 281240

Date: May 2024

Scale: 1:30,500

Status: Final

Figure No:

23.2



- Legend**
- Proposed development boundary
 - Study areas
 - Wintering waterbirds study areas

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Ecology study area
- section 3**

Job No: 281240	Figure No:
Date: May 2024	23.3
Scale: 1:24,000	
Status: Final	



- Legend**
- Proposed development boundary
 - Study areas

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Ecology study area
- section 4**

Job No: 281240	Figure No: 23.4
Date: May 2024	
Scale: 1:13,500	
Status: Final	



- Legend**
- Proposed development boundary
 - Ireland Rivers
 - Watercourse crossings

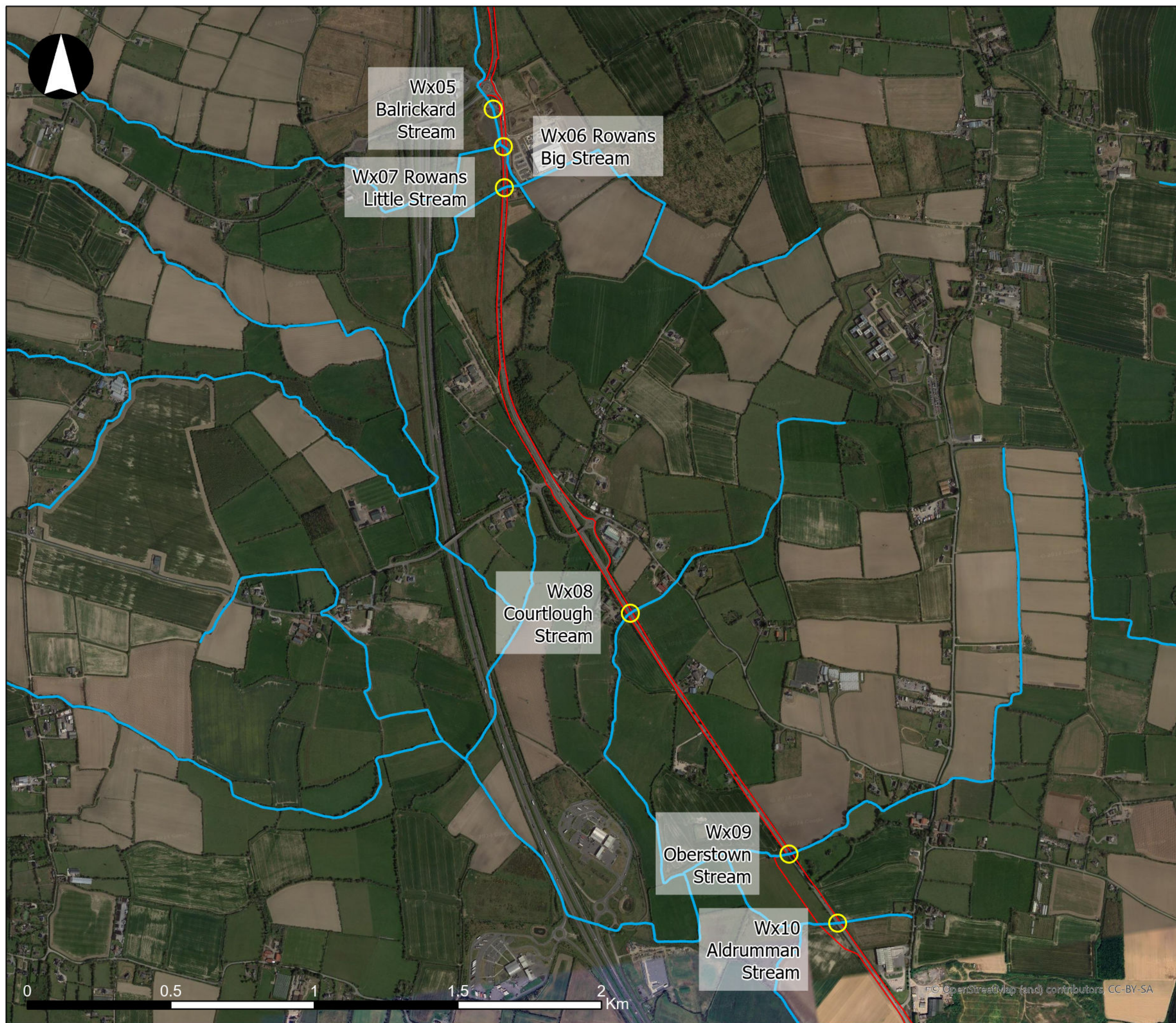
NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Aquatic & Fisheries Assessment
Study Area - section 1**

Job No: 281240	Figure No:
Date: May 2024	23.5
Scale: 1:24,000	
Status: Final	



- Legend**
- Proposed development boundary
 - Ireland Rivers
 - Watercourse crossings

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Aquatic & Fisheries Assessment
Study Area - section 2**

Job No: 281240	Figure No: 23.6
Date: May 2024	
Scale: 1:13,000	
Status: Final	



Legend

- Proposed development boundary
- Ireland Rivers
- Watercourse crossings

NISA
North Irish Sea Array

ARUP

Project

**North Irish Sea Array
Offshore Wind Farm**

Figure Title

**Aquatic & Fisheries Assessment
Study Area - section 3**

Job No: 281240

Date: May 2024

Scale: 1:27,000

Status: Final

Figure No:

23.7



Legend

- Proposed development boundary
- Ireland Rivers
- Watercourse crossings

NISA
North Irish Sea Array

ARUP

Project

**North Irish Sea Array
Offshore Wind Farm**

Figure Title

**Aquatic & Fisheries Assessment
Study Area - section 4**

Job No: 281240

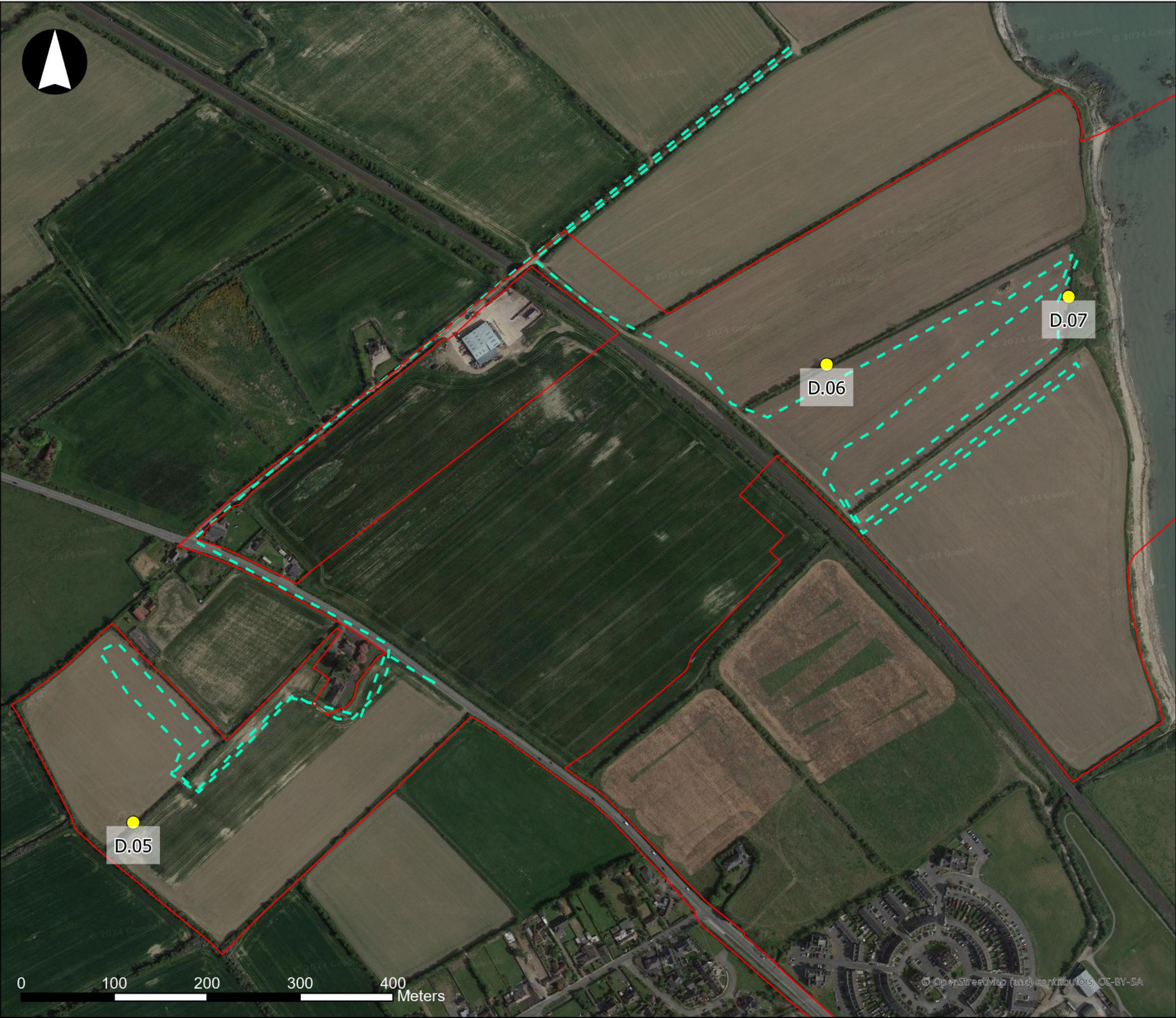
Date: May 2024

Scale: 1:17,320

Status: Final

Figure No:

23.8



Legend

- Proposed development boundary
- Bat transect route 03/08/2022
- Bat static detectors locations

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Bat transect route and
static detectors locations
Landfall site and Grid facility**

Job No: 281240	Figure No: 23.9
Date: May 2024	
Scale: 1:4,000	
Status: Final	



Legend

- Proposed development boundary
- Bat static detectors locations

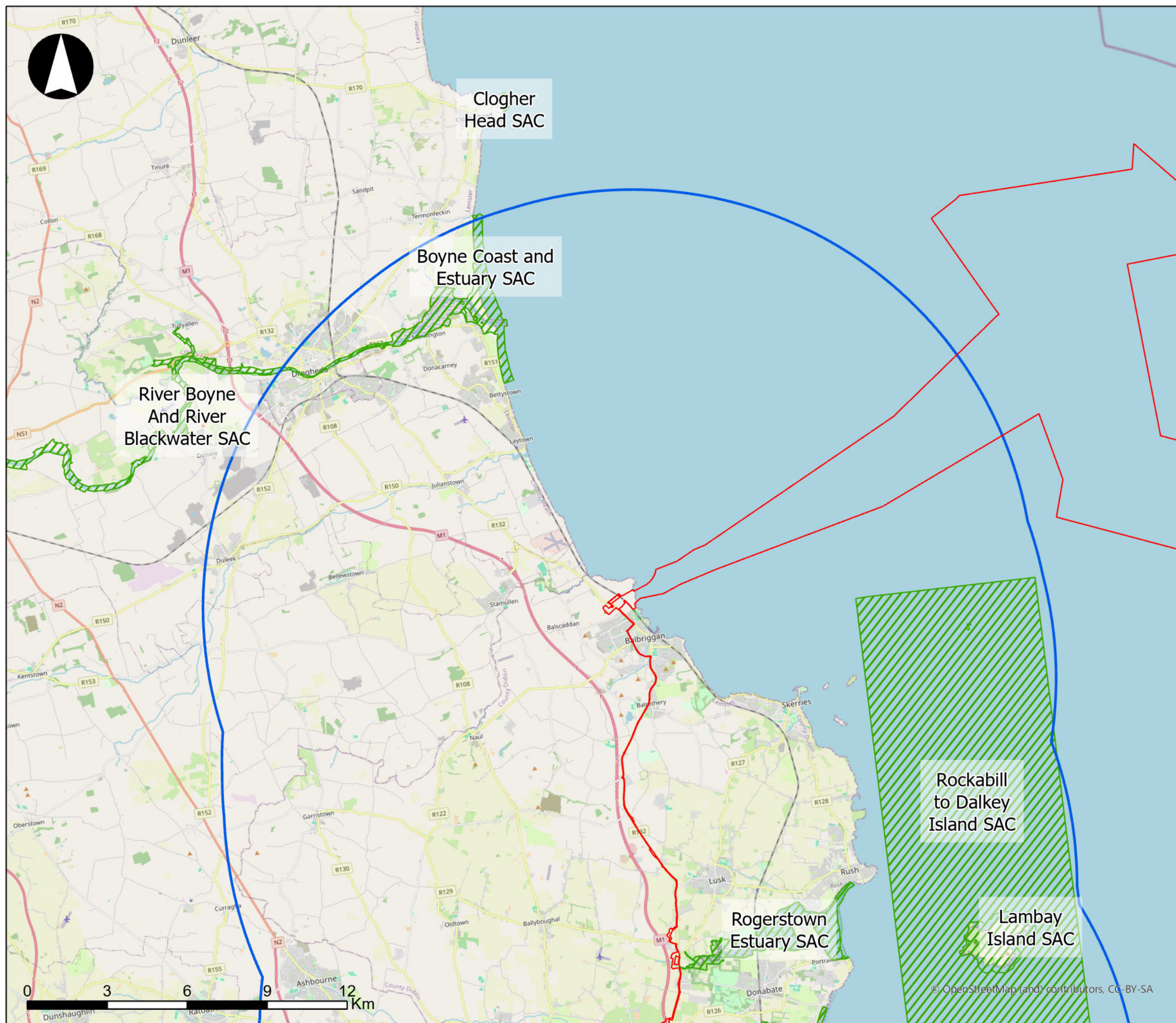
NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Bat static detectors locations
Blakes Cross South including
Wx12 (Deanestown Stream)
and Wx13 (Ballyboghill Stream)
and Belcamp substation**

Job No: 281240	Figure No: 23.10
Date: May 2024	
Scale: 1:46,500 1:10,000 1:13,000	
Status: Final	



- Legend**
- Proposed development boundary
 - 15km Buffer
 - European Designated Sites
 - SAC

NISA

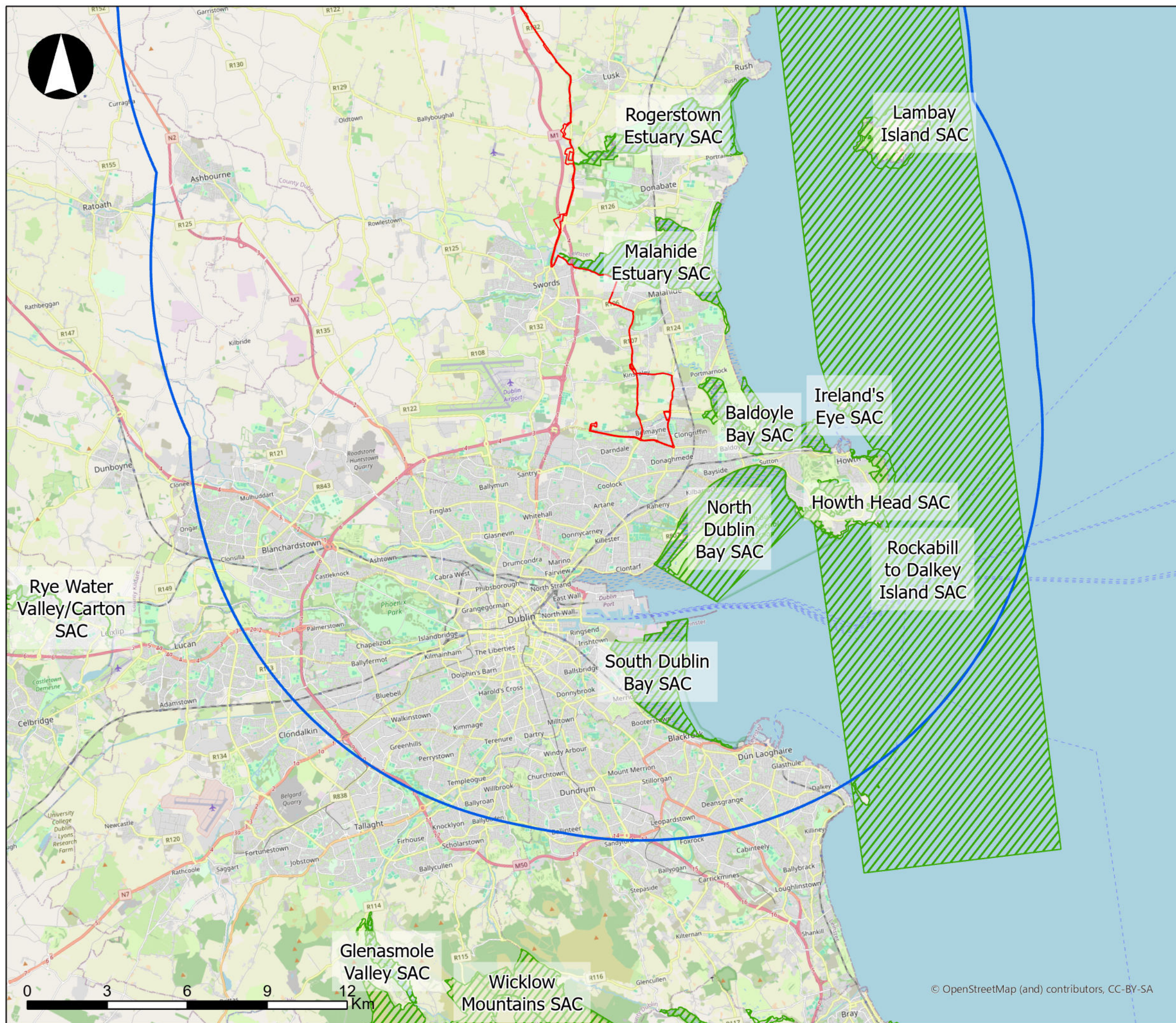
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**European Designated Sites
(SACs)
within 15km of the
Proposed Development
- northern section**

Job No: 281240	Figure No: 23.11
Date: May 2024	
Scale: 1:140,000	
Status: Final	



- Legend**
- Proposed development boundary
 - 15km Buffer
 - European Designated Sites
 - SAC

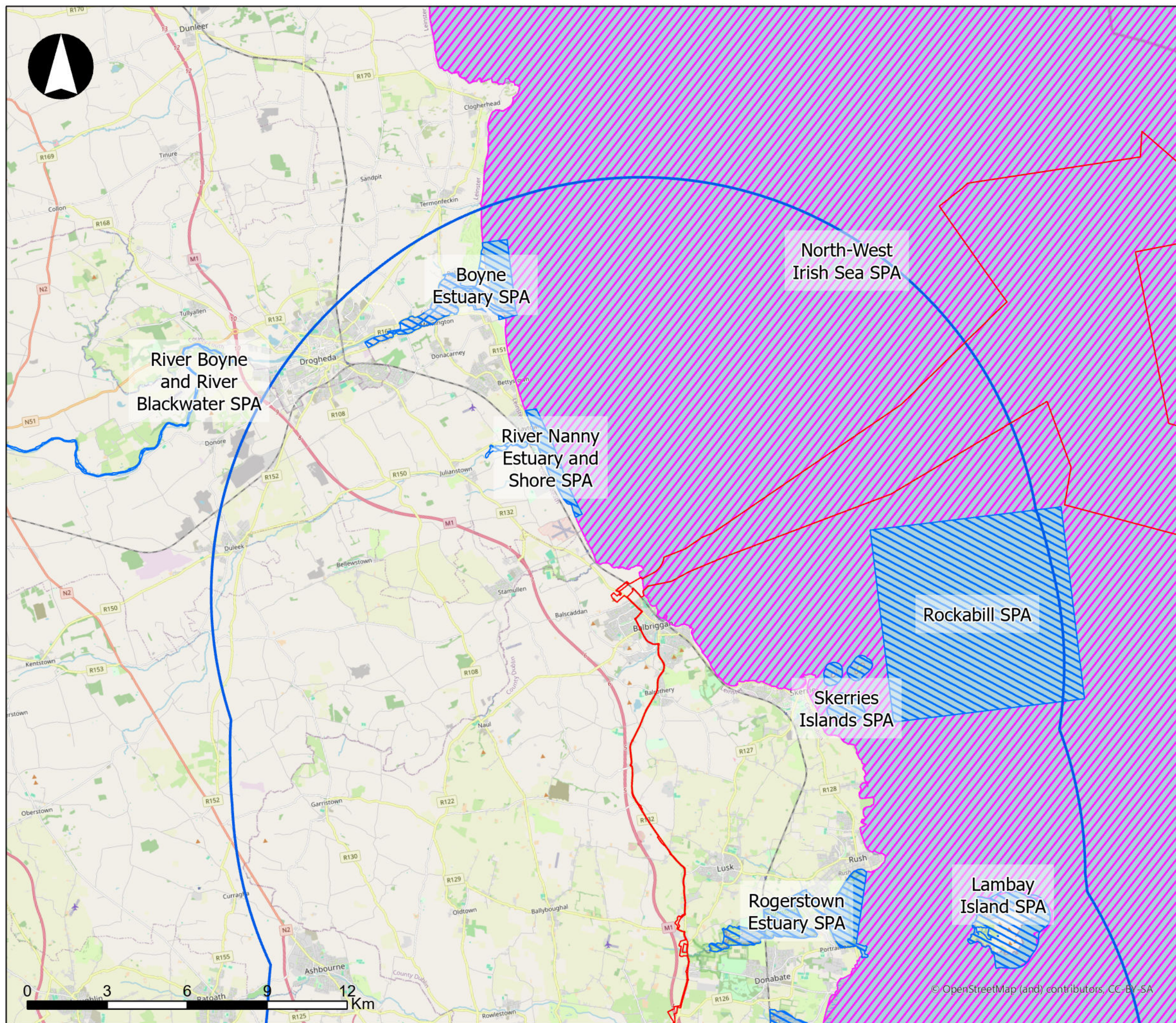
NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**European Designated Sites
(SACs)
within 15km of the
Proposed Development
- southern section**

Job No: 281240	Figure No: 23.12
Date: May 2024	
Scale: 1:140,000	
Status: Final	



- Legend**
- Proposed development boundary
 - 15km Buffer
 - European Designated Sites**
 - North-West Irish Sea SPA
 - SPA

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**European designated sites
(SPAs)
within 15km of the
Proposed Development
- northern section**

Job No: 281240

Date: May 2024

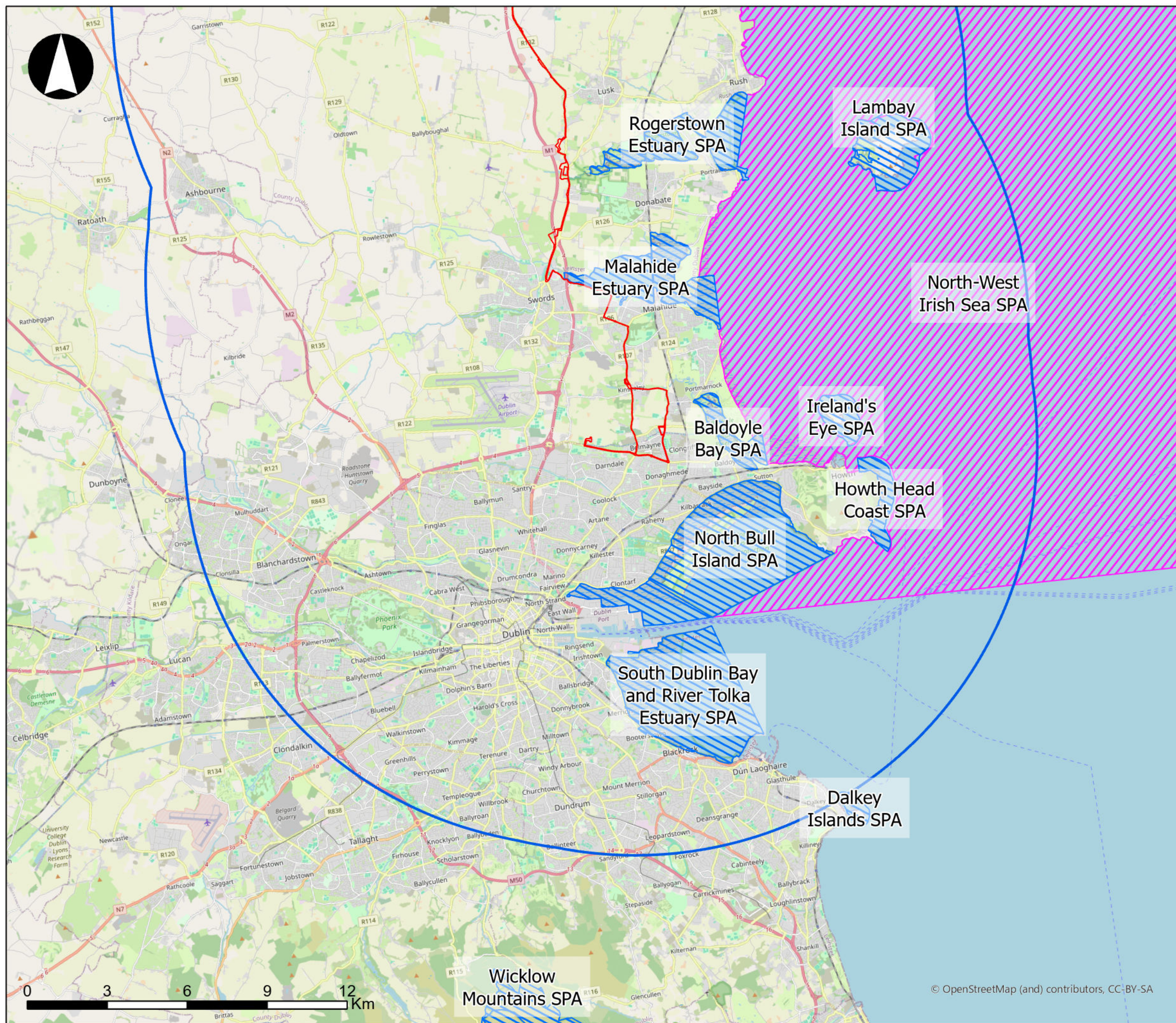
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Status: Final

Figure No:

23.13

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Legend

- Proposed development boundary
- 15km Buffer
- European Designated Sites
- North-West Irish Sea SPA
- SPA

NISA
North Irish Sea Array

ARUP

Project

**North Irish Sea Array
Offshore Wind Farm**

Figure Title

**European Designated Sites
(SPAs)
within 15km of the
Proposed Development
- southern section**

Job No: 281240

Date: May 2024

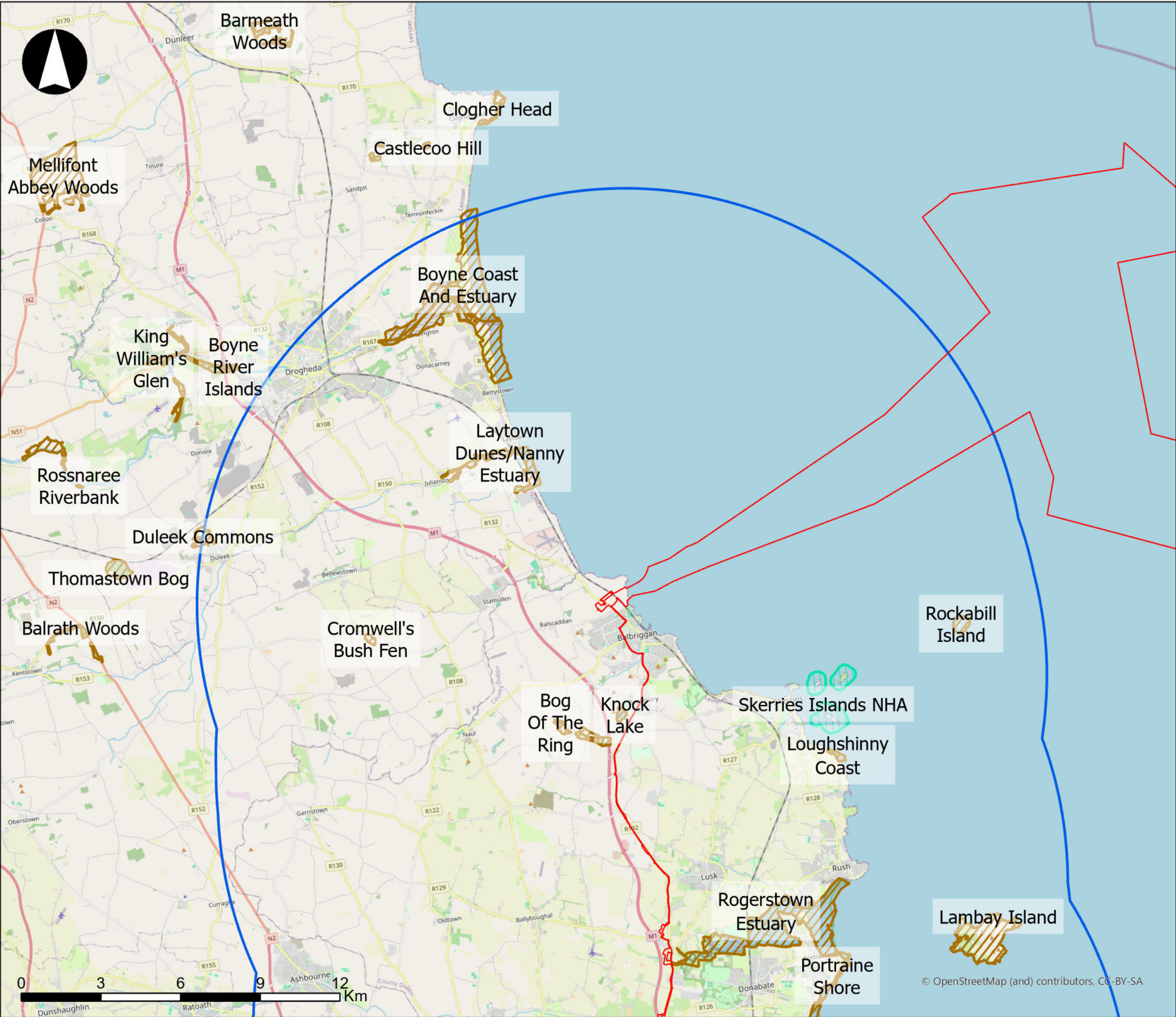
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Figure No:

23.14

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Legend

- Proposed development boundary
- 15km Buffer
- Nationally Designated Sites
 - NHA
 - pNHA

NISA
North Irish Sea Array

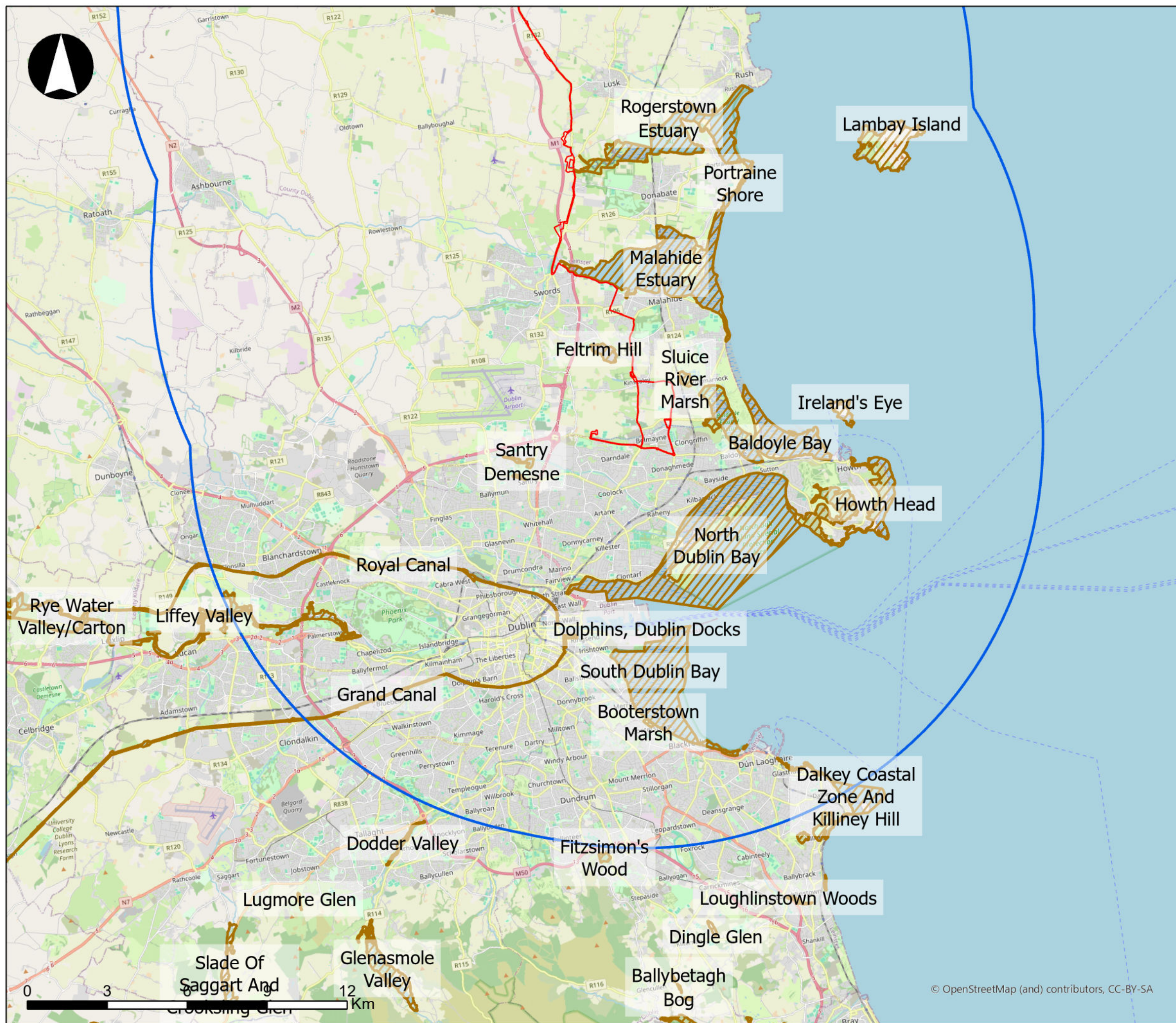
ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Nationally designated sites
within 15km of the
Proposed Development
- northern section**

Job No: 281240	Figure No: 23.15
Date: May 2024	
Scale: 1:140,000	
Status: Final	

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- Legend**
- Proposed development boundary
 - 15km Buffer
 - Nationally Designated Sites
 - NHA
 - pNHA

NISA

North Irish Sea Array

ARUP

Project

North Irish Sea Array Offshore Wind Farm

Figure Title

Nationally designated sites within 15km of the Proposed Development - southern section

Job No: 281240	Figure No:
Date: May 2024	23.16
Scale: 1:140,000	
Status: Final	



- Legend**
- Proposed development boundary
 - Habitat types**
 - CS3
 - FW4
 - WL1
 - BC1
 - BL3
 - CB1
 - CD1
 - ED3
 - GS2
 - WS1
 - IAS - Schedule 3**
 - Himalayan balsam

NISA
North Irish Sea Array

ARUP

Project
North Irish Sea Array
Offshore Wind Farm

Figure Title
Landfall site and
Grid facility
Habitat types

Job No: 281240	Figure No: 23.17
Date: May 2024	
Scale: 1:4,300	
Status: Final	



Legend

Proposed development boundary

Habitat types

— FW2

+ WL1

BC1

GA1

NISA

North Irish Sea Array

ARUP

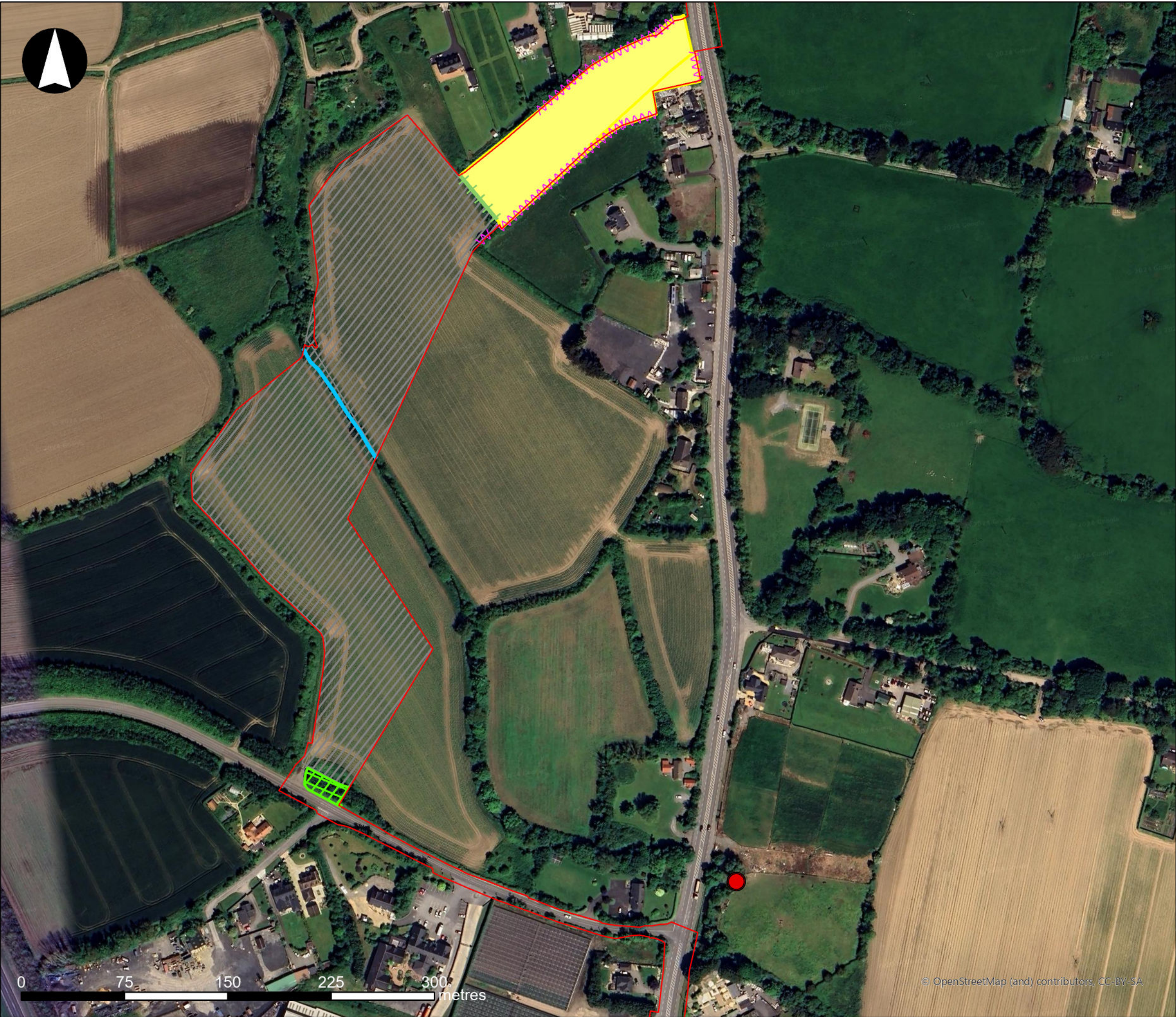
Project

**North Irish Sea Array
Offshore Wind Farm**

Figure Title

**Wx09 (Oberstown Stream) and
Wx10 (Aldrumman Stream)
Habitat types**

Job No: 281240	Figure No: 23.18
Date: May 2024	
Scale: 1:1,900	
Status: Final	



- Legend**
- Proposed development boundary
 - Habitat types
 - FW2
 - WL1
 - WL2
 - BC1
 - GA1
 - WS1
 - IAS - Schedule 3
 - Himalayan balsam

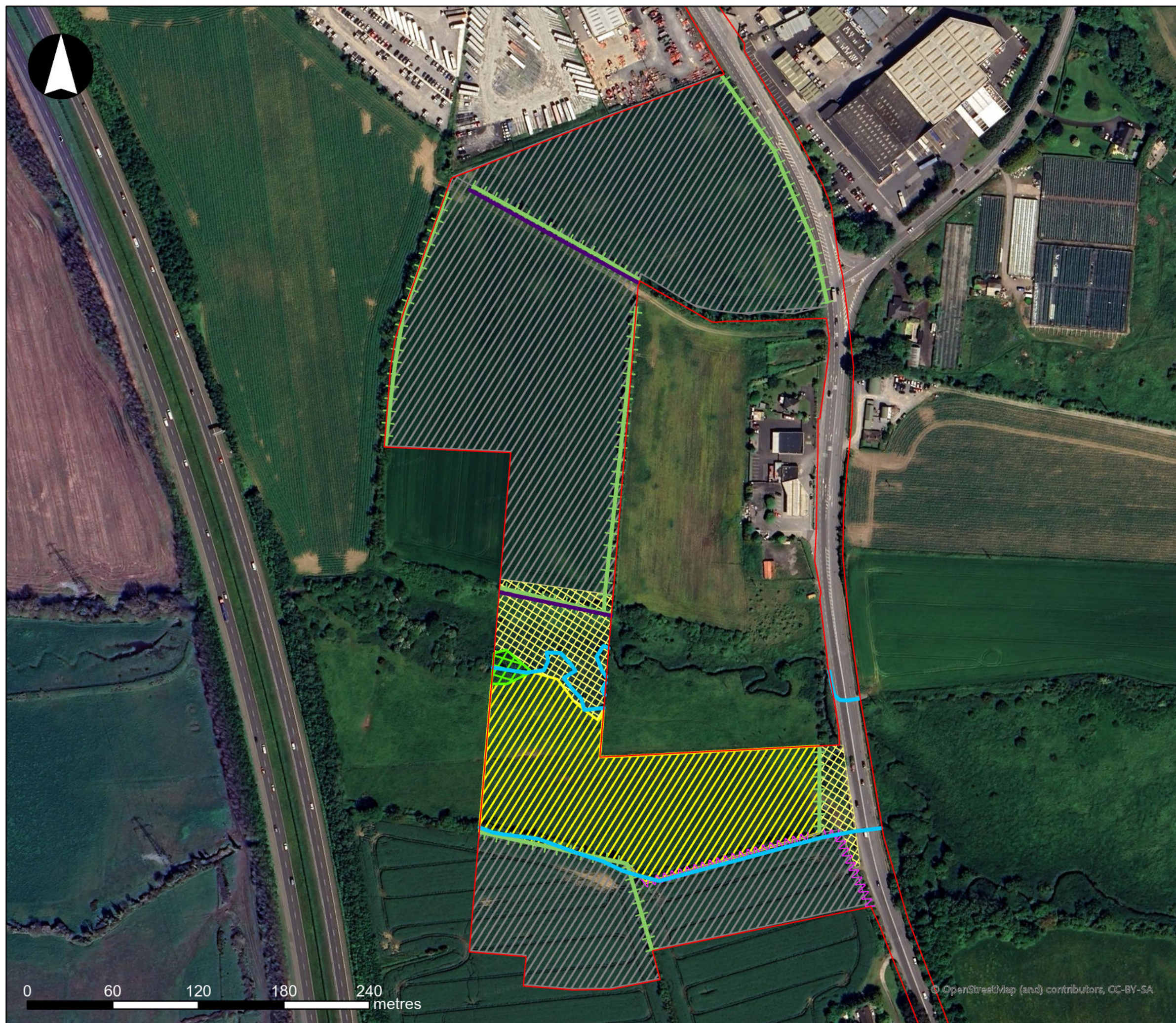
NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Blakes Cross North including
Wx11 (Ballough Stream)
Habitat types and IAS**

Job No: 281240	Figure No: 23.19
Date: May 2024	
Scale: 1:2,700	
Status: Final	



- Legend**
- Proposed development boundary
- Habitat types
- FW4
 - FW2
 - WL1
 - WL2
 - BC1
 - GS2
 - GS4
 - WS1

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Blakes Cross South including
Wx12 (Deanestown Stream) and
Wx13 (Ballyboghill Stream)
Habitat types**

Job No: 281240

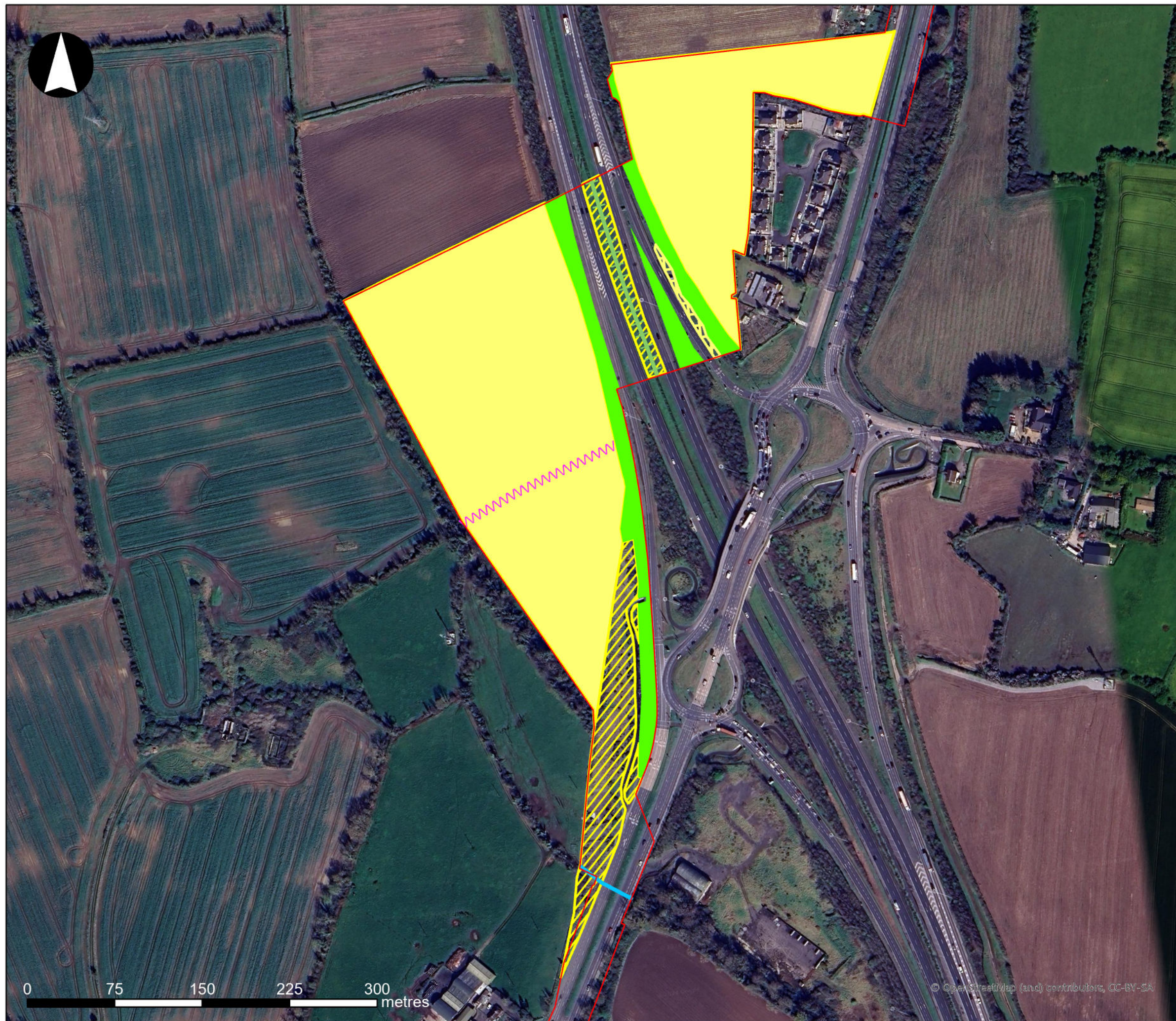
Date: May 2024

Scale: 1:2,618

Status: Final

Figure No:

23.20



Legend

- Proposed development boundary
- Habitat types
 - FW2
 - WL1
 - WL2
 - GA1
 - GS1
 - GS2
 - WS2

NISA
North Irish Sea Array

ARUP

Project

**North Irish Sea Array
Offshore Wind Farm**

Figure Title

**M1 crossing
Habitat types**

Job No: 281240

Date: May 2024

Scale: 1:3,200

Status: Final

Figure No:

23.21



Legend

Proposed development boundary

Habitat types

- FW2
- GA1
- WD1

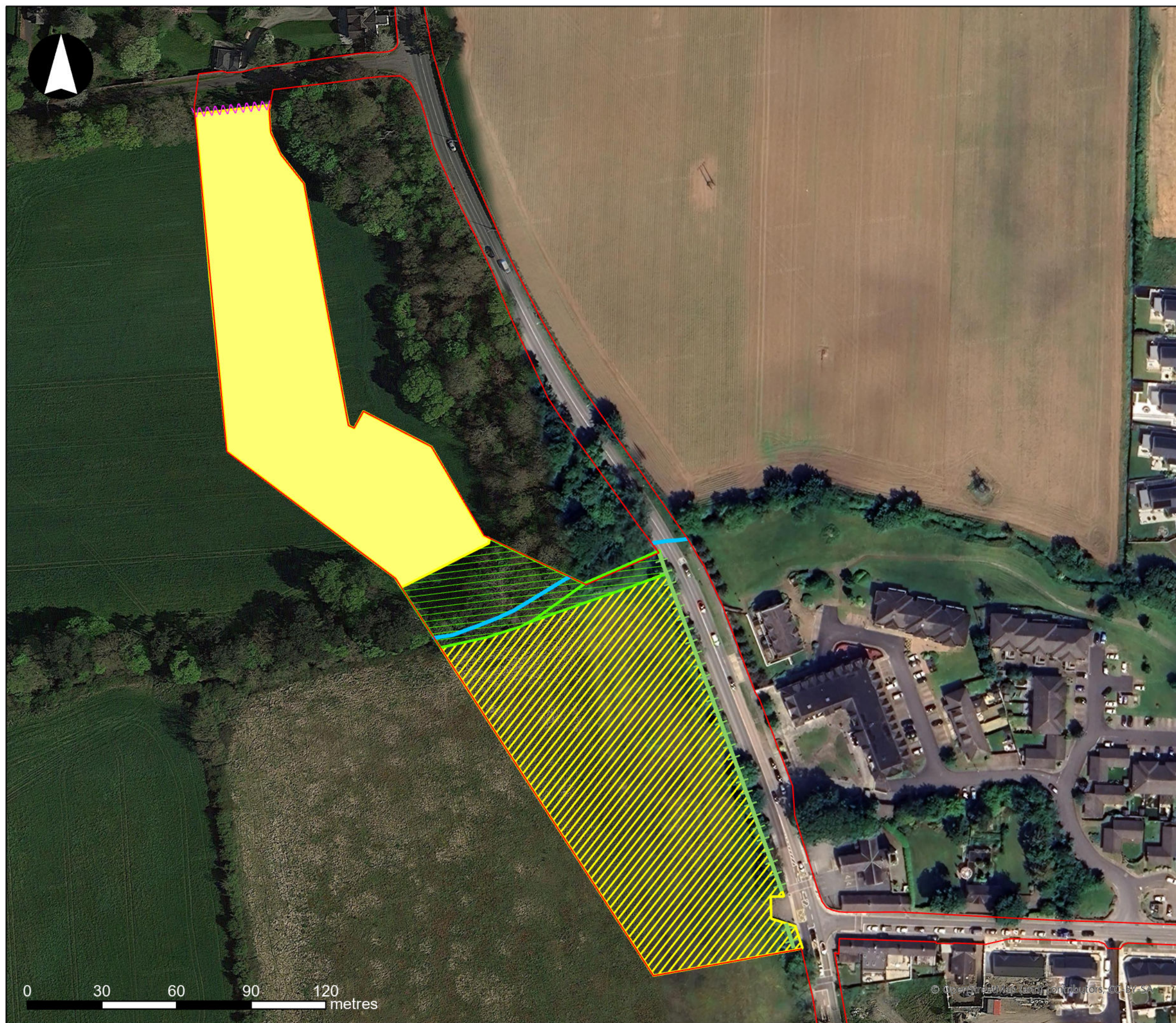
NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Wx20 (Gaybrook Stream)
Habitat types**

Job No: 281240	Figure No: 23.22
Date: May 2024	
Scale: 1:603	
Status: Final	



- Legend**
- Proposed development boundary
 - Habitat types**
 - FW2
 - WL1
 - WL2
 - GA1
 - GS2
 - WD1

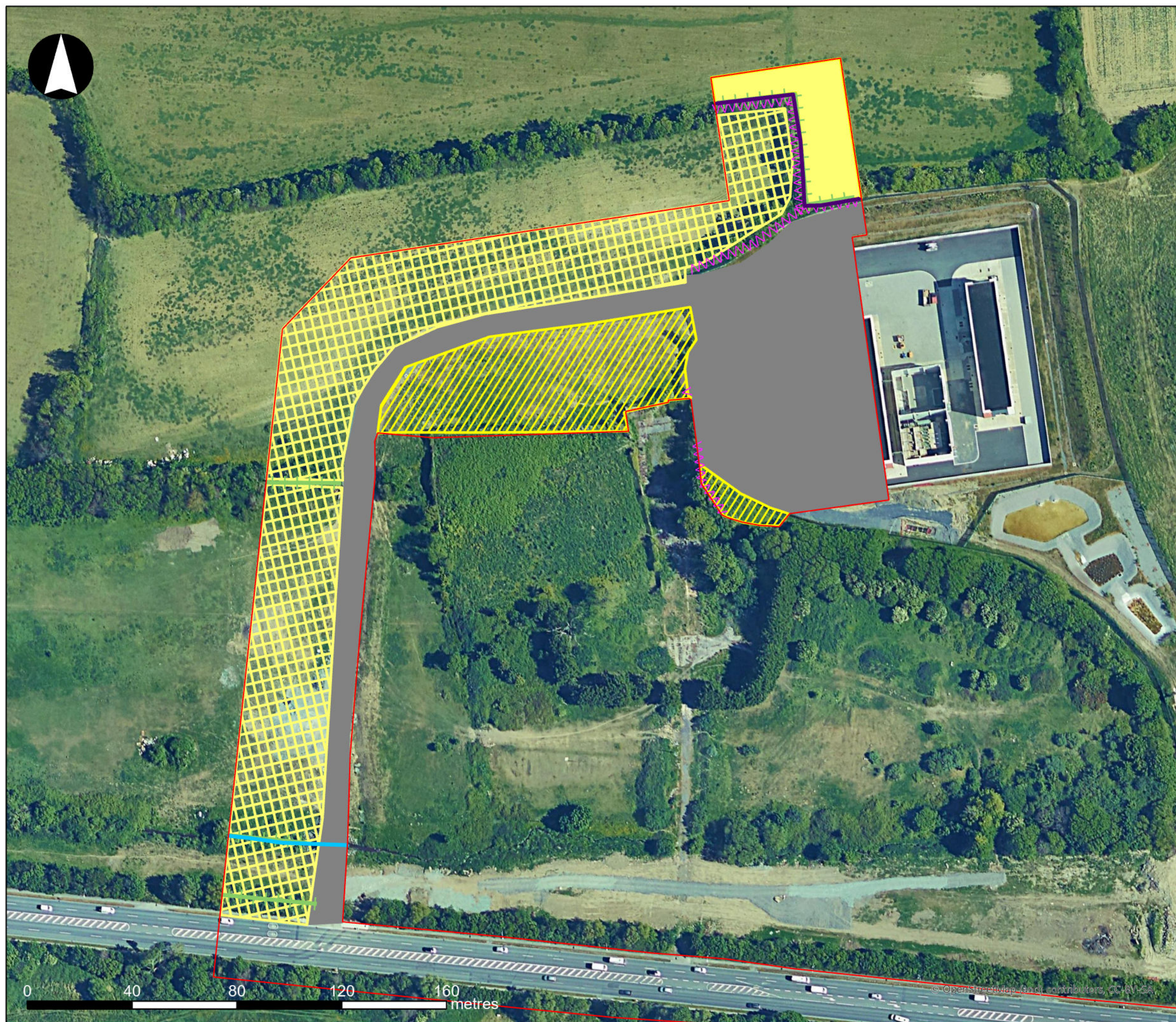
NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Wx22 (Sluice Stream)
Habitat types**

Job No: 281240	Figure No:
Date: May 2024	23.23
Scale: 1:1,500	
Status: Final	



- Legend**
- Proposed development boundary
- Habitat types
- FW4
 - FW2
 - WL1
 - WL2
 - BL3
 - GA1
 - GS1
 - GS2

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Belcamp substation
Habitat types**

Job No: 281240	Figure No: 23.24
Date: May 2024	
Scale: 1:1,424	
Status: Final	



- Legend**
- Proposed development boundary
 - Habitat and Annex I**
 - CB1 - Annex I Perennial vegetation of stony banks (1220)
 - CD1 - Annex I Embryonic shifting dunes (2110)
 - CS3 - Annex I Vegetated sea cliffs of the Atlantic and Baltic coasts (1230)
 - Rare Plant Species**
 - Polygonum oxyspermum
 - Seriphidium maritimum

NISA
North Irish Sea Array

ARUP

Project
North Irish Sea Array
Offshore Wind Farm

Figure Title
Coastal cliff extent with
EU Annex I Habitats and
rare plant species
Landfall site

Job No: 281240	Figure No: 23.25
Date: May 2024	
Scale: 1:4,000	
Status: Final	



Legend

Proposed development boundary

Mammals

Badger sett

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Badger setts at Blakes Cross
South including
Wx12 (Deanestown Stream)
Wx13 (Ballyboghill Stream) and
Belcamp substation**

Job No: 281240

Date: May 2024

Scale: 1:45,000

Status: Final

Figure No:

23.26



Legend

- Proposed development boundary
- Red listed bird species
 - Breeding season 2021
 - Breeding season 2022

NISA
North Irish Sea Array

ARUP

Project

**North Irish Sea Array
Offshore Wind Farm**

Figure Title

**Breeding birds 2021-2022
Red listed species
Landfall site and
Grid facility**

Job No: 281240

Date: May 2024

Scale: 1:4,900

Status: Final

Figure No:

23.27

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Legend

Proposed development boundary

Red and Amber listed bird species

- Breeding season 2021
- Breeding season 2022
- Breeding season 2023

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North Irish Sea Array

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Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Breeding birds 2021-2022-2023
Red and Amber listed species
Wx09 (Oberstown Stream) and
Wx10 (Aldrumman Stream)**

Job No: 281240	Figure No: 23.29
Date: May 2024	
Scale: 1:2,500	
Status: Final	



Legend

Proposed development boundary

Red and Amber listed bird species

Breeding season 2022

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Breeding birds 2021-2022
Red and Amber listed species
Blakes Cross North including
Wx11 (Ballough Stream)**

Job No: 281240	Figure No: 23.30
Date: May 2024	
Scale: 1:3,500	
Status: Final	



- Legend**
- Proposed development boundary
 - Red and Amber listed bird species
 - Breeding season 2021
 - Breeding season 2022
 - Breeding season 2023

NISA
North Irish Sea Array

ARUP

North Irish Sea Array
Offshore Wind Farm

Figure Title
Breeding birds 2021-2022-2023
Red and Amber listed species
Blakes Cross South including
Wx12 (Deanestown Stream)
and Wx13 (Ballyboghill Stream)

Job No: 281240	Figure No: 23.31
Date: May 2024	
Scale: 1:3,500	
Status: Final	



- Legend**
- Proposed development boundary
 - Red and Amber listed bird species
 - Breeding season 2021
 - Breeding season 2022
 - Breeding season 2023

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Breeding birds 2021-2022-2023
Red and Amber listed species
M1 Crossing**

Job No: 281240

Date: May 2024

Scale: 1:5,500

Status: Final

Figure No:

23.32



Legend

- Proposed development boundary
- Red listed bird species
 - Breeding season 2021
 - Breeding season 2022

NISA
North Irish Sea Array

ARUP

Project

**North Irish Sea Array
Offshore Wind Farm**

Figure Title

**Breeding birds 2021-2022
Red listed species
Malahide Estuary**

Job No: 281240

Date: May 2024

Scale: 1:5,000

Status: Final

Figure No:

23.33



- Legend**
- Proposed development boundary
 - Amber listed bird species
 - Breeding season 2021
 - Breeding season 2022

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Breeding birds 2021-2022
Amber listed species
Malahide Estuary**

Job No: 281240	Figure No: 23.34
Date: May 2024	
Scale: 1:5,000	
Status: Final	



- Legend**
- Proposed development boundary
 - Red listed waterbird species
 - Winter season 2021-2022

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Winter Waterbirds 2021-2022
Red listed species
Landfall site, Grid facility
and extended north to the Delvin**

Job No: 281240	Figure No: 23.36
Date: May 2024	
Scale: 1:7,500	
Status: Final	



- Legend**
- Proposed development boundary
 - Red listed waterbird species
 - Winter season 2021-2022

NISA
North Irish Sea Array

ARUP

Project
North Irish Sea Array
Offshore Wind Farm

Figure Title
Winter Waterbirds 2021-2022
Red listed species
Landfall site, Grid facility
and extended south to
Balbriggan Beach

Job No: 281240	Figure No: 23.37
Date: May 2024	
Scale: 1:7,500	
Status: Final	



Legend

Proposed development boundary

Amber listed waterbird species

Winter season 2021-2022

NISA

North Irish Sea Array

ARUP

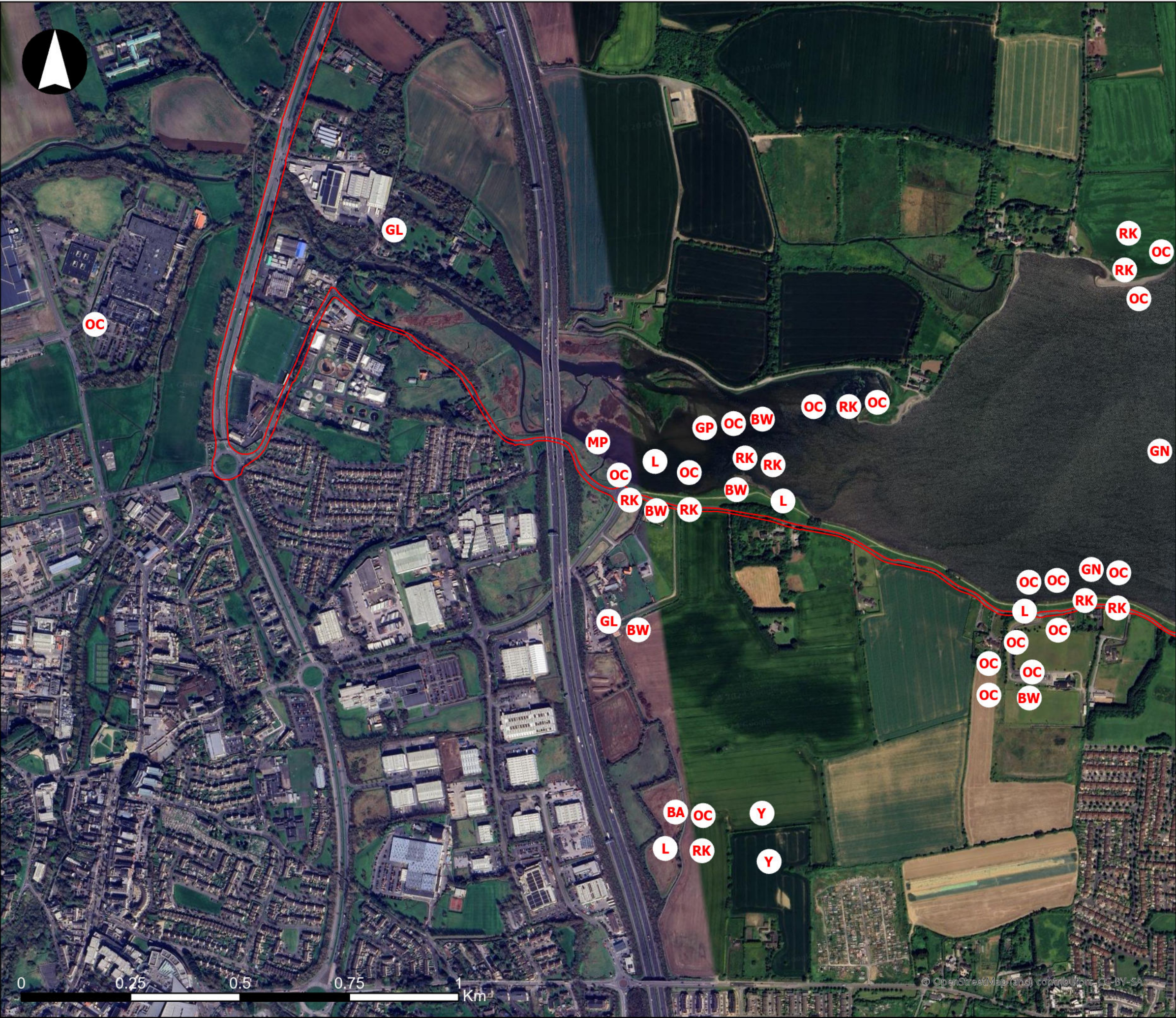
Project

North Irish Sea Array
Offshore Wind Farm

Figure Title

Winter Waterbirds 2021-2022
Amber listed species
Landfall site, Grid facility
and extended north to the Delvin

Job No: 281240	Figure No: <div>23.38</div>
Date: May 2024	
Scale: 1:7,500	
Status: Final	



- Legend
- Proposed development boundary
 - Red listed waterbird species
 - Winter season 2021-2022

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Winter Waterbirds 2021-2022
Red listed species
Malahide Estuary
- western section**

Job No: 281240
Date: May 2024
Scale: 1:8,500
Status: Final

Figure No:
23.40



- Legend**
- Proposed development boundary
 - Red listed waterbird species
 - Winter season 2021-2022

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Winter Waterbirds 2021-2022
Red listed species
Malahide Estuary
- eastern section**

Job No: 281240	Figure No: 23.41
Date: May 2024	
Scale: 1:8,500	
Status: Final	



- Legend**
- Proposed development boundary
 - Amber listed waterbird species
 - Winter season 2021-2022

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Winter Waterbirds 2021-2022
Amber listed species
Malahide Estuary
- western section**

Job No: 281240	Figure No: 23.42
Date: May 2024	
Scale: 1:8,500	
Status: Final	



Legend

Proposed development boundary

Bat Roost Potential

● Low

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Bat Potential Roost Feature (PRF)
Landfall site and
Grid facility**

Job No: 281240	Figure No: 23.44
Date: May 2024	
Scale: 1:4,500	
Status: Final	



Legend

Proposed development boundary

Bat Roost Potential

● Low

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Bat Potential Roost Feature (PRF)
Wx9 (Oberstown Stream)
and Wx10 (Aldrumman Stream)**

Job No: 281240	Figure No: 23.45
Date: May 2024	
Scale: 1:2,500	
Status: Final	



Legend

Proposed development boundary

Bat Roost Potential

Low

Moderate

NISA
North Irish Sea Array

ARUP

Project

**North Irish Sea Array
Offshore Wind Farm**

Figure Title

**Bat Potential Roost Feature (PRF)
Blakes Cross North including
Wx11 (Ballough Stream)**

Job No: 281240	Figure No:
Date: May 2024	23.46
Scale: 1:3,000	
Status: Final	



Legend

Proposed development boundary

Bat Roost Potential

● Low

● Moderate

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Bat Potential Roost Feature (PRF)
Blakes Cross South including
Wx12 (Deanestown Stream)
and Wx13 (Ballyboghill Stream)**

Job No: 281240	Figure No: 23.47
Date: May 2024	
Scale: 1:2,614	
Status: Final	



Legend

Proposed development boundary

Bat Roost Potential

● Low

● Moderate

NISA

North Irish Sea Array

ARUP

Project

**North Irish Sea Array
Offshore Wind Farm**

Figure Title

**Bat Potential Roost Feature (PRF)
M1 crossing**

Job No: 281240	Figure No:
Date: May 2024	23.48
Scale: 1:2,500	
Status: Final	



Legend

Proposed development boundary

Bat Roost Potential

● Low

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Bat Potential Roost Feature (PRF)
Wx20 (Gaybrook Stream)**

Job No: 281240	Figure No: 23.49
Date: May 2024	
Scale: 1:650	
Status: Final	



Legend

Proposed development boundary

Bat Roost Potential

- Low
- Moderate
- High

NISA
North Irish Sea Array

ARUP

Project
**North Irish Sea Array
Offshore Wind Farm**

Figure Title
**Bat Potential Roost Feature (PRF)
Wx22 (Sluice Stream)**

Job No: 281240	Figure No: 23.50
Date: May 2024	
Scale: 1:1,600	
Status: Final	



Legend

- Proposed development boundary
- Bat Roost Potential
 - Low

NISA
North Irish Sea Array

ARUP

Project

**North Irish Sea Array
Offshore Wind Farm**

Figure Title

**Bat Potential Roost Feature (PRF)
Belcamp substation**

Job No: 281240

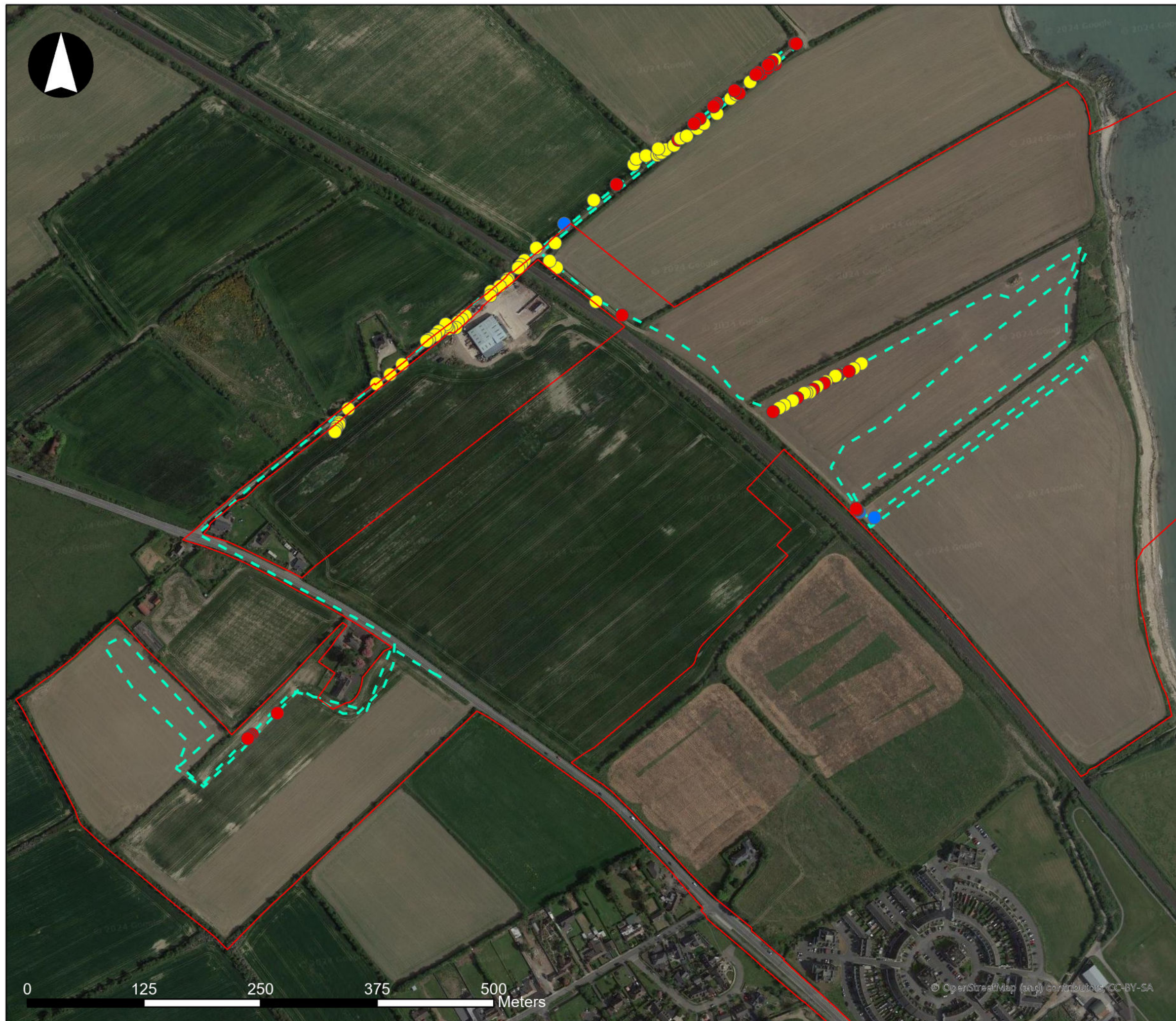
Date: May 2024

Scale: 1:1,969

Status: Final

Figure No:

23.51



- Legend**
- Proposed development boundary
 - Bat transect route 03/08/2022
- Bat Species**
- Nyctalus leisleri
 - Pipistrellus pipistrellus
 - Pipistrellus pygmaeus

NISA
North Irish Sea Array

ARUP

Project
North Irish Sea Array
Offshore Wind Farm

Figure Title
Bat transect results
03/08/2022
Landfall site and Grid facility

Job No: 281240	Figure No: 23.52
Date: May 2024	
Scale: 1:4,000	
Status: Final	